



May 4, 2023

John Hess, PE, PP, CME
Zoning Board Engineer
66 Main Street
West Orange, New Jersey 07052

Re: Engineering Review #1
West Orange Plaza
Block 152.01, Lots 1445 & 1445.05
Township of West Orange
Essex County

Dear Mr. Hess:

Pursuant to your email dated April 6th, we have revised our plans and reports. We have also incorporated the changes requested in the SPRAB meeting held on March 21, 2023. Below is a detailed response letter addressing each one of your comments individually. The following documents are included in this submittal:

- Site Plans
- Maintenance Manual
- Lighting cut sheets with isolux patterns

B. DESIGN COMMENTS

Comment #1 - Based on our review, we find that the following items from the Township's Site Plan/Subdivision Checklist must be addressed:

- a) Item #7 — Proof that taxes are current.
- b) Item #14 — Affidavit of ownership.
- c) Item #20 — Copy and/or delineation of any existing or proposed deed restrictions or covenants.
- d) Item #39 — Spot elevations at corners of all/ structures.
- e) Item #52 — Plans and legal documents for compliance with West Orange COAH Ordinances.
- f) As required by NJAC 13:40-7.2(a)1, a signed and sealed copy of a survey of the property being developed must be submitted to the Board.

155 Passaic Avenue, Suite 350, Fairfield, New Jersey 07004
973-227-7004 963-227-7074 (fax)
www.petryengineering.com

PETRY RESPONSE:

- a) Tax certification previously supplied; updated tax cert provided.
- b) Affidavit of ownership previously supplied; another copy provided.
- c) Title previously supplied. Another copy enclosed.
- d) The plans have been revised accordingly.
- e) The survey has been included in this resubmittal.

Comment #2 - The Applicant has requested the following waivers:

- a) Item #22 — Development stages or staging plans.
- b) Item #46 — Solid waste management plan.
- c) Item #48 — Sight triangles.
- d) To permit a parking area setback of 2 ft whereas 5 ft is required by 525-8.1 of the Ordinance.
- e) To permit 1,204 parking spaces whereas 1,476 parking spaces are required.
- f) To permit 12 loading spaces whereas 34 loading spaces are required.
- g) To permit a minimum level of illumination in the parking lot of 0.0 footcandles whereas 1.5 footcandles is required.
- h) To permit a light pole height of 25ft whereas a maximum light pole height of 18 ft is permitted.
- i) To permit a retaining wall height of 13.5 ft whereas a maximum retaining wall height of 4 ft is permitted.

PETRY RESPONSE:

Statement. No response is required.

Comment #3 - It shows on the plans that 1,156 parking spaces are proposed including 27 handicap accessible parking spaces and 48 electric vehicle parking spaces. We note that Ordinance 2667-21 provides that each electric vehicle parking space shall count as at least 2 parking spaces for the purpose of complying with a minimum parking space requirement provided this shall result in a reduction of no more than 10% of the total required parking. With the 48-parking space credit, the Applicant is providing parking for 1,204 vehicles whereas 1,476 parking spaces are required.

PETRY RESPONSE:

Statement. No response is required.

Comment #4 - The Applicant should address the Board regarding whether the electric vehicle parking spaces will be make-ready or will the electric vehicle supply equipment be installed. If the parking spaces will be make-ready, then the Applicant should address the Board regarding their schedule for installing the electric vehicle supply equipment



PETRY RESPONSE: The plans have been revised to note that 1/3 of the EV spaces will be installed initially, another 1/3 within 3 years, and the final 1/3 within 6 years (See Sheet SP-4). This is in keeping with NJSA 40:55D-66.

Comment #5 - It shows on sheet SP-4 that 13 parking spaces are occupied by cart corrals. The Applicant should clarify if the spaces occupied by the cart corals are included in the total parking space count.

PETRY RESPONSE: The parking spaces that are occupied by cart corrals have not been included in the total parking space count.

Comment #6 - Sheet SP-1 includes a note which states that 38 of the parking spaces are designated as compact spaces. However, our office is only able to locate 22 compact parking spaces on the plans. This discrepancy must be resolved.

PETRY RESPONSE: There is a grouping of 22 compact spaces along the southern side of the southerly drive aisle of Prospect Avenue and a second grouping of 14 compact spaces in front of Building 'C', just north of the "canoe" island, totaling 36 compact spaces (See Sheet SP-4). The site data chart has been revised to reflect this number.

Comment #7 - It shows on sheet SP-4 of the site plan drawings that a 10 ft x 18 ft refuse enclosure is proposed at the westerly end of Building A. We note that the distance from Unit A-6 to the trash enclosure is approximately 200 ft which appears excessive. The Applicant should address the Board regarding the feasibility of relocating the trash enclosure to a more centralized location.

PETRY RESPONSE: We anticipate that some of the Building A units will likely utilize the trash enclosure adjacent to Building B. Testimony will be provided further discussing the overall refuse/recycling plan.

Comment #8 - The Applicant should provide testimony to the Board to demonstrate that the trash enclosures proposed for the 4 new buildings will be adequate to handle the trash and recyclables from the tenants in these buildings.

PETRY RESPONSE: Testimony will be provided.



Comment #9 - It shows on sheet SP-4 that retaining wall 'D' is proposed along the westerly property line behind the proposed Target. The Applicant should address the Board on how the retaining wall can be constructed without encroaching on the neighboring property as a setback of only 2 ft is proposed.

PETRY RESPONSE: It is anticipated that a temporary construction easement will be sought from the neighboring property. However, in the event this easement cannot be obtained, the contractor can implement either sheeting or soldier pile and lagging to perform the installation. Testimony will be provided.

Comment #10 - It shows on sheet SP-4 that retaining wall 'A' is proposed on the westerly side of Building 'D'. We note that this retaining wall will be up to 4 ft high. A fence should be provided on top of the retaining wall to protect pedestrians from injury.

PETRY RESPONSE: A guard has been added to the plans (See Sheet SP-4).

Comment #11 - It shows on sheet SP-4 that retaining wall 'B' is proposed adjacent to the northerly side of the main building opposite the northerly driveway from Prospect Avenue. We note that this retaining wall will be up to 3 ft high. A fence should be provided on top of the retaining wall to protect pedestrians from injury.

PETRY RESPONSE: A guard has been added along the stairs near retaining wall 'B' at the northeast corner of the proposed . The remainder of the retaining wall does not see any pedestrian traffic and is set back a minimum of 10' from the drive aisle, with a timber guide rail in between (See Sheet SP-4). As such, we do not believe a fence is required.

Comment #12 - Sheet SP-5 should be revised to provide top of wall and bottom of wall elevations at 50 ft intervals along retaining walls A, C & D.

PETRY RESPONSE: Additional top and bottom wall elevations have been added to the retaining walls as requested (See Sheet SP-5). Please note that the wall elevations for the retaining walls behind the main building are shown on Sheet LD-1.

Comment #13 - The Applicant should address the Board regarding the need to provide a loading space for Building 'D'.



PETRY RESPONSE:

Testimony will be provided.

Comment #14 - The plans should be revised to show the fire lanes required by §13-8.5 of the Ordinance.

PETRY RESPONSE:

The plans have been revised to show additional fire lanes (See Sheet SP-4). Any additional fire lanes required by the fire official will be added at their direction.

Comment #15 - The plans should be revised to include the following details:

- a) Bike Rack.
- b) Cart Coral.
- c) Crosswalk.
- d) EV Charging Station.
- e) Pavement Markings.
- f) Striped Island.

PETRY RESPONSE:

The details have been added to the plans (See Sheets SP-13, SP-14, & SP-15).

Comment #16 - The proposed development will result in the disturbance of more than one acre. As a result, it is classified as a Major Development and is subject to the stormwater management requirements set forth in 525-29.4 of the Land Use Regulations.

PETRY RESPONSE:

Statement. No response is required.

Comment #17 - The Applicant proposes to reduce the amount of impervious cover at the site by eliminating the existing slip ramp from Prospect Avenue and by adding landscape islands throughout the parking lot. As a major development, the project must be designed to meet the minimum standards for groundwater recharge, stormwater quality and stormwater runoff quantity by incorporating green infrastructure. The Stormwater Management Report must be revised to demonstrate that green infrastructure has been incorporated into the design of the project.

PETRY RESPONSE:

As noted any project that meets the definition of a Major Development must comply with the water quantity, water quality, and groundwater recharge requirements. As demonstrated in the Stormwater Management Report, the proposed site meets the water quantity requirements because there is no increase in stormwater leaving the site at any point in time. This is caused by reducing the impervious



surface on-site which if a form of green infrastructure. Additionally, since we are reducing the amount of motor vehicle surface, no water quality measures are required. Finally, the proposed development is within the metropolitan planning area so it is exempt from the ground water recharge regulations. Since neither of these are required, no green infrastructure needs to be incorporated to meet the requirements.

Comment #18 - Our office has reviewed the Stormwater Maintenance Manual and find that the following items must be included in the manual:

- a) The name, address and telephone number of the person responsible for preventive and corrective maintenance must be included in the manual.
- b) Cost estimates, including the estimated cost of sediment, debris or trash removal, shall be included in the manual.
- c) Preventative and corrective maintenance shall be performed to maintain the functional parameters (storage volume, infiltration rates, inflow/outflow capacity, etc.) of the stormwater management measure, including, but not limited to, repairs or replacement to the structure; removal of sediment, debris, or trash; restoration of eroded areas; snow and ice removal; fence repair or replacement; restoration of vegetation; and repair or replacement of non-vegetated linings.
- d) The party responsible for maintenance shall perform all of the following requirements:
 - i. Maintain a detailed log of all preventative and corrective maintenance for the structural stormwater management measures incorporated into the design of the development, including a record of all inspections and copies of all maintenance related work orders;
 - ii. Evaluate the effectiveness of the maintenance plan at least once per year and adjust the plan and the deed as needed; and
 - iii. Retain and make available, upon request by any public entity with administrative, health, environmental, or safety authority over the site, the maintenance plan and the documentation required by the Ordinance.
- e) In the event that the stormwater management facility becomes a danger to public safety or public health, or if it is in need of maintenance or repair, the municipality shall so notify the responsible person in writing. Upon receipt of that notice, the responsible person shall have 14 days to effect maintenance and repair of the facility in a manner that is approved by the municipal engineer or his designee. The municipality, at its discretion, may extend the time allowed for effecting maintenance and repair for good cause. If the responsible person fails or refuses to perform such maintenance and repair, the municipality or the County may immediately proceed to do so and shall bill the cost thereof to the responsible person. Nonpayment of such bill may result in a lien on the property.

PETRY RESPONSE: A revised Stormwater Maintenance Manual is included in this submittal (See enclosed). We have incorporated the required in items a through e above.



Comment #19 - The Stormwater Maintenance Manual and any future revisions shall be recorded upon the deed of record for each property on which the maintenance described in the maintenance plan must be undertaken. Prior to recording, the form of the deed must be reviewed and approved by the Planning Board attorney and our office.

PETRY RESPONSE: A note to this effect has been added to the plans (See Sheet SP-1).

C. TRAFFIC

Comment #1 - We note that the Traffic Impact Assessment is more than two years old and the traffic counts referenced in the report are over four years old. Therefore, the Applicant should submit an updated Traffic Impact Assessment to the Board.

PETRY RESPONSE: An updated Traffic Impact Assessment is included under separate cover.

Comment #2 - It states on Page 10 of the Traffic Impact Assessment that 1,671 parking spaces are required whereas 1,242 parking spaces are proposed. However, it states on the Site Data Chart on Sheet SP-I that 1,476 parking spaces are required whereas 1,204 parking spaces are proposed. These discrepancies must be resolved.

PETRY RESPONSE: An updated Traffic Impact Assessment is included under separate cover.

Comment #3 - The naming of the intersections in the Synchro Reports in the Traffic Impact Assessment are not clear. For example: there is an intersection in the report identified as "12" without further information. Please revise accordingly.

PETRY RESPONSE: An updated Traffic Impact Assessment is included under separate cover.

Comment #4 - The Applicant should submit turning movement plans to the Board to demonstrate that adequate maneuvering room is available for trash trucks, emergency vehicles and delivery vehicles.

PETRY RESPONSE: Turning movement plans are included in this submittal (See Sheets TM-1 to TM-6).



Comment #5 - It shows on sheet SP-2 that drive-thru lanes are proposed adjacent to buildings 'C' and 'D'. The Applicant should provide testimony to the Board regarding the types of restaurants that are proposed and the adequacy of the proposed stacking at each location.

PETRY RESPONSE: At this time the type of use proposed for each of the buildings is unknown. The stacking lanes for buildings C and D can accommodate approximately 12 cars and 4 cars respectively. Further testimony will be provided as necessary.

Comment #6 - It shows on sheet SP-2 that a one way drive aisle with angle parking is proposed along the northerly side of Building 'C'. As presently shown, the customers parking in these spaces will have to traverse the drive-thru lane in order to access the stores in Building 'C'. The Applicant should address the Board regarding their plans to provide a safe route for customers using these parking spaces.

PETRY RESPONSE: It is anticipated that these parking spaces shall be utilized by employees.

Comment #7 - Sheet SP-4 should be revised to provide left-turn-only traffic markings and signs for vehicles exiting the Suite 'D-3' drive-thru lane.

PETRY RESPONSE: The plan has been revised to indicate a left turn only exiting the drive-thru by Building 'D' (See Sheet SP-4).

Comment #8 - Sheet SP-4 should be revised to provide a stop sign and stop bar on the southerly end of the drive aisle which extends from Building 'C' to the southerly entrance drive from Prospect Avenue.

PETRY RESPONSE: Stop signs and stop bars have been added to the drive aisle near Building 'C' (See Sheet SP-4).

Comment #9 - It shows on sheet SP-4 that an island is proposed at the entrance to the site from Eagle Rock Avenue. A detail showing the dimensions of this island should be added to the plans.

PETRY RESPONSE: An inset has been added to the plans to show the entrance along Eagle Rock Avenue in more detail (See Sheet SP-4). Also, a mountable curb detail has been added to the plans (See Sheet SP-13).



D. LANDSCAPING AND FORESTRY COMMENTS

Comment #1 - In accordance with S25-11.3 of the Ordinance, a fifty (50) foot wide buffer is required for all commercial property abutting a residential district or use in a residential zone; whereas the Applicant has provided a buffer of 10.1 feet, which is an existing condition. A waiver has been requested.

PETRY RESPONSE: Statement. No response required.

Comment #2 - In accordance with 525-27.4 of the Ordinance, provide a note on the plans that a tree removal permit shall be secured prior to disturbance. Revise the plans to graphically depict and specifically label the location for tree protection fencing in accordance with 525-27.9.

PETRY RESPONSE: The landscape plans have been revised by others to include tree protection as required.

Comment #3 - Our office notes that the trees to remain at the corner intersection are all invasive Black Locust trees. It is recommended to remove these trees and replant native woodland species in this area instead. Also, the trees noted along the parking lot on both street frontages are in poor condition. It is recommended to remove and replace these trees.

PETRY RESPONSE: The applicant will work closely with the Township Forester to determine the best course of action for these trees.

Comment #4 - Numerous invasive species were noted along the parking lot perimeter behind the existing buildings, including Ailanthus, Black Locust and Japanese Knotweed. Extra measures should not be taken to preserve these species.

PETRY RESPONSE: No extra measures have been called for.

Comment #5 - Revise the Planting Schedule on sheet L-3 of the landscape plans to indicate AG (Paperbark Maple) by caliper inch for the minimum installation size.

PETRY RESPONSE: The planting schedule has been revised by others as requested.

Comment #6 - Revise the plans to provide a native shrub in lieu of the proposed VON (European Cranberry-bush). The Applicant might consider American Cranberry-bush, *Viburnum trilobum*,



instead, or another similar native, such as Witherod Viburnum, Chokeberry, Sweetspire or Fothergilla, most of which also come in dwarf varieties.

PETRY RESPONSE: The landscape plans have been revised by others to include a native shrub instead.

Comment #7 - It does not appear that the proposed landscaping for existing Building B5 shown on sheet PB-7 of the architectural plans corresponds to the proposed landscaping on sheet L-3 of the landscape plans. This should be clarified.

PETRY RESPONSE: The plans have been revised by others and coordinated.

E. LIGHTING COMMENTS

Comment #1 - In accordance with 25-14.1c of the Ordinance, light fixtures shall not exceed a height of eighteen (18) feet; whereas the Applicant has proposed fixtures at 25 feet tall. A waiver has been requested.

PETRY RESPONSE: Statement. No response is required.

Comment #2 - In accordance with 25-14.1c of the Ordinance, the level of illumination at ground level shall not exceed 0.5 footcandle at the property line; whereas light level spill into the right-of-way of Prospect Avenue.

PETRY RESPONSE: We agree that the light spillage along exceeds 0.5 foot candles along portions of the Prospect Avenue Frontage. This is necessary to provide proper illumination, especially at the driveways.

Comment #3 - Revised the plans to provide a three (3) foot high stanchion for all light poles within the parking area.

PETRY RESPONSE: The parking area lighting detail has been revised to indicate a 3 foot high stanchion (See Sheet SP-8A).

Comment #4 - Revise the plans to indicate the proposed light color temperature. Staff does not recommend exceeding 4,000 Kelvins.



PETRY RESPONSE: The proposed light color temperature has been added to the plans (See Sheet SP-8A). Please note that the plans call for the use of fixtures with a light color temperature of 4,000K.

Comment #5 - Revise the plans to indicate the proposed color and finish for all light fixtures and poles, to prevent confusion during construction.

PETRY RESPONSE: A note has been added to the plans indicating the proposed color for the fixtures and poles is black (See Lighting Note #2 on Sheet SP-8).

Comment #6 - Revise the 'Lighting Base Detail', sheet SP-15, to indicate the concrete strength. Staff recommends 4,500 PSI.

PETRY RESPONSE: The Lighting Base Detail has been revised to indicate a concrete strength of 4,500 PSI (See Sheet SP-8A).

Comment #7 - Revise the plans to provide manufacturer's catalog cuts for all light fixtures and poles, to prevent confusion during construction. Also, provide the full ordering information for the proposed light poles.

PETRY RESPONSE: The catalog cut sheets for the light fixtures and poles have been added to the plans (See Sheet SP-8A). Also, the requested cut sheets for the fixtures and poles have been attached to this letter.

Comment #8 - Revise the plans to indicate proposed timers and hours of operation for proposed light fixtures. Staff recommends light levels be dimmed after non-operational hours to reduce light pollution.

PETRY RESPONSE: The plans have been revised to include the proposed times of operation for lighting (See Lighting Note #1 on Sheet SP-8).

Comment #9 - Revise the plans to provide isolux pattern details with a scale and graph to correspond with the proposed light fixtures.

PETRY RESPONSE: The requested isolux patterns for the fixtures have been attached to this letter.



We trust that we have provided sufficient information for your continued review. Should you have any questions or concerns, please feel free to contact us.

Very truly yours,

PETRY ENGINEERING, LLC

J. Michael Petry

J. Michael Petry, PE, PP, AIA



Date: Apr 26, 2023

Diversified New Jersey
55 Lane Road, Suite 360
Fairfield NJ 07004
Phone:
Fax:

Job Name
West Orange Plaza
DIV-NJ23-159484
West Orange NJ

Submittal Date
Apr 26, 2023

Civil Engineer:
PETRY ENGINEERING, LLC
155 PASSAIC AVE
FAIRFIELD NJ 07004

Transmittal

Diversified New Jersey
55 Lane Road, Suite 360
Fairfield NJ 07004
Phone:
From: Tom Zaleski

Project West Orange Plaza
Quote# DIV-NJ23-159484
Location West Orange NJ
To PETRY ENGINEERING, LLC
155 PASSAIC AVE
FAIRFIELD NJ 07004
Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- | | | |
|-----------------------------------|---|--------|
| ☐ Drawings | ☐ Specifications | Other: |
| ☐ Prints | ☐ Information | |
| ☐ Plans | ☐ Submittals | |

THESE ARE TRANSMITTED FOR:

- | | | |
|--|---|---------------------------------|
| ☐ Prior Approval | ☐ Resubmittal for Approval | ☐ Record |
| ☐ Approval | ☐ Corrections | Bids due on: |
| ☐ Approval as Submitted | ☐ Your Use | Other: |
| ☐ Approval as Noted | ☐ Review and Comment | |

Type	MFG	Part
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E	US Architectural	RZR-WM2-PLED-IV-40LED-525MA-NW-VOLTAGE-FINISH-PG13
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Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLD-VSQ-W-120LED-525MA-
 40K-VOLTAGE-2-180-FINISH-PG13
Notes:**Type:****A**

DIV-NJ23-159484

AREA & ROADWAY LIGHTING

RAZAR SERIES - LED

LOW PROFILE AREA LUMINAIRE

Optical Housing

Heavy cast, low copper aluminum assembly (A356 alloy, <.2% copper) minimum wall thickness .188". LED Module mounting area is machined to within a 0.002" surface flatness variance for maximum surface contact and thermal conductivity from the LED modules to the radiating fins. Passive radiating fins above the LED Optics provide superior thermal management and long LED life. The optical and electrical compartments are integrated with the support arm to create one assembly. Cast and hinged driver compartment cover allows access to the drivers and wiring.

Electrical Housing w/ Integrated Arm

Heavy cast low copper aluminum (A356 alloy; <.2% copper) assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly. Minimum wall thickness is .188". Cast and hinged driver assembly cover is integrated with wiring compartment cover.

PLED® Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED Driver(s)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50, 60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED Emitters

High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

Amber LED's

TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish

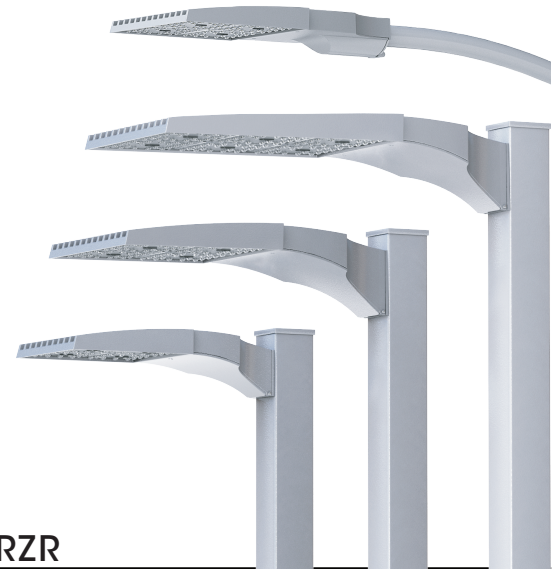
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

Mast Arm Fitter/Electrical Housing

Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +1.5 or +3° up from the horizontal. All hardware is stainless steel.

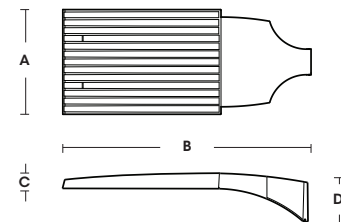
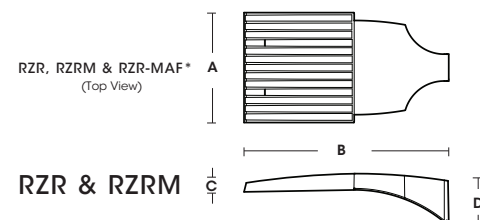
PROJECT NAME:

PROJECT TYPE:

**RZR**

(MODELS: RZRM, RZR, RZR-G & RZR-MAF*)

PATENT PENDING

RZR-GRZR, RZRM & RZR-MAF*
(Top View)**RZR & RZRM****RZR-MAF***

FIXTURE	A	B	C	D
RZR-G	15" 381mm	36.5" 927mm	3" 76mm	7" 187mm
RZR	14.75" 375mm	28.25" 718mm	2.75" 70mm	6.5" 165mm
RZRM	11.5" 292mm	22" 559mm	2.5" 64mm	5.25" 133mm
RZR-MAF	15" 381mm	28.25" 724mm	2.5" 64mm	4" 102mm



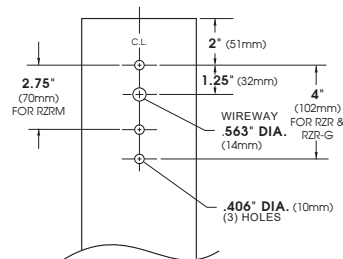
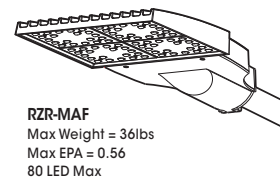
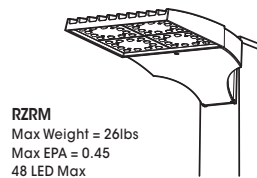
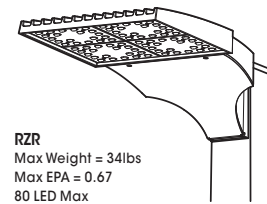
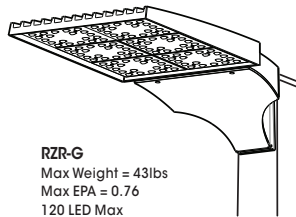
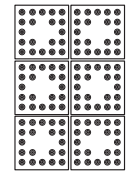
2022158

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
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 40K-VOLTAGE-2-180-FINISH-PG13

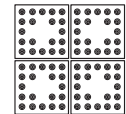
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Type:**A**

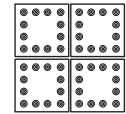
DIV-NJ23-159484

RZR SERIES - LED**SPECIFICATIONS****POLE DRILLING TEMPLATE****EPA & WEIGHT****PLED™ MODULES**

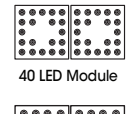
120 LED Module



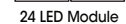
80 LED Module



48 LED Module



40 LED Module



24 LED Module

ORDERING INFORMATION

Spec/Order Example: RZR/PLED-IV/80LED-700mA/CW/277/RAL-8019-S

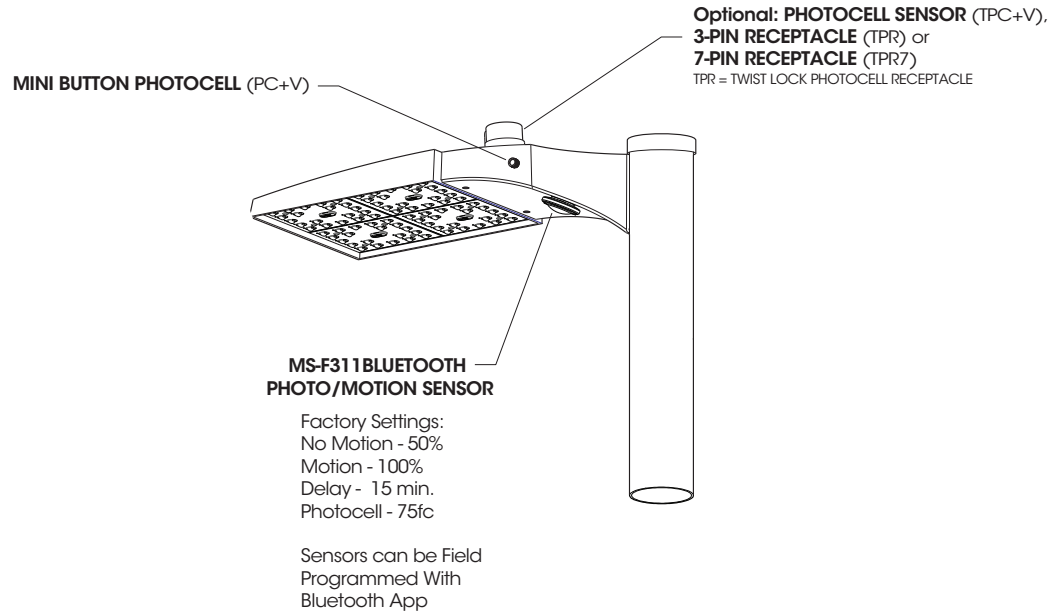
Luminaire	Optics	LED Mode			Voltage ADVISE	Mounting	Finish ADVISE	Options
Luminaire	Optics	LED			Voltage	Mounting	Finish	Options
	PLED™ Distribution Type	# of LEDs	Drive Current	Color Temp - CCT		Arm Mount	Standard Textured Finish	
☒ RZR-G	☐ Type II PLED-II	☒ 120LED	☐ 1050mA ¹	☐ 27K (2700K)	☐ 120	☐ 1	☐ Black RAL-9005-T	☐ Internal House Side Shield Inc. LED Count (Example: HS-PLD/48) HS-PLD
	☐ Type II Front Row PLED-II-FR	☐ 80LED	☐ 875mA ¹	☐ 30K (3000K)	☐ 208	☒ 2-180	☐ White RAL-9003-T	☐ External Glare Shield 4 Sided EGS4
	☐ Type III Median Illuminator PLED-II-MIL	☒ 525mA	☐ 700mA ¹	☒ 40K (4000K)	☐ 240	☐ 2-90	☐ Grey RAL-7004-T	☐ External Glare Shield 3 Sided Rear Wedge EGS3W
☐ RZR	☐ Type III Med. PLED-III		☐ 350mA	☐ 50K (5000K)	☐ 277	☐ 3-90	☐ Dark Bronze RAL-8019-T	☐ Round Pole Adapter RPA
☐ RZR-MAF	☐ Type III Wide PLED-III-W	RZR/RZR-MAF		☐ TRA True Amber ²	☐ 347	☐ 3-120	☐ Green RAL-6005-T	☐ Twist Lock Receptable Only TPR
	☐ Type IV PLED-IV	☐ 80LED	Consult Factory for Other LED Color, CCT, & CRI Options		☐ 480	☐ 4-90	☐ Premium Finishes	☐ 7-Pin Twist Lock Receptable Only TPR7
	☐ Type IV PLED-IV-FT	☐ 40LED					☐ Rust	☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HSW/25) HSW
☐ RZRM	☐ Type V Narrow PLED-VSQ-N	RZRM	NOTES: 1 - 700mA and 1050mA not for use with TRA LED's 2 - Available in 350mA & 525mA drive currents only			Wall Mount	☐ Patina Copper PC	☐ Twist Lock Photocell + Voltage (Example: TPC347V) TPC+V
	☐ Type V Med. PLED-V-SQ-M	☐ 24LED				☐ WM	For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)	☐ Photo Cell + Voltage (Example: PC120V) PC+V
	☒ Type V Wide PLED-V-SQ-W		Consult Factory for Other Drive Currents			WM - Wall Mount provided with mounting bracket and cover.	Consult factory for custom colors	☐ Single Fuse (120V, 277V) SF
								☐ Double Fuse (208V, 240V) DF
								☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75lc) MS-F311

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLED-VSQ-W-120LED-525MA-
 40K-VOLTAGE-2-180-FINISH-PG13
Notes:**Type:****A**

DIV-NJ23-159484

RZR SERIES - LED

OPTIONS



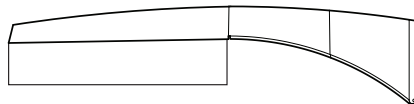
High Low Dimming For Switches (HLSW)

The HLSW is a Small Electronic Switch which Provides High Low Dimming Control Through the LED Driver's 0-10V Control. Switching is Done by Adding a Secondary AC Switched Hot Trigger Line to the HLSW in Addition to the Normal AC Power Line. When the Secondary Trigger Line is Powered, the Fixture will go to 100% Dimming. With no Power to the Trigger, the Fixture will operate at 50% or 25% Dimming. Switches for the Trigger Line can be a Normal AC Switch/Breaker or Timed Switch/Breaker.

Wireless and Other Fixture Controls

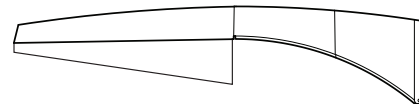
Contact Factory for Wireless and Other Fixture Controls and Recommendations. Most Controls Can be Integrated and Factory Installed.

EXTERNAL GLARE SHIELDS



EGS4 - 4 Sided Shield

Minimum Cutoff = 12°
 Average Cutoff = 23°



EGS3W - 3 Sided Shield

Minimum Rear Cutoff = 12°
 Average Rear Cutoff = 23°
 Minimum Side Cutoff = 4°
 Average Side Cutoff = 16°

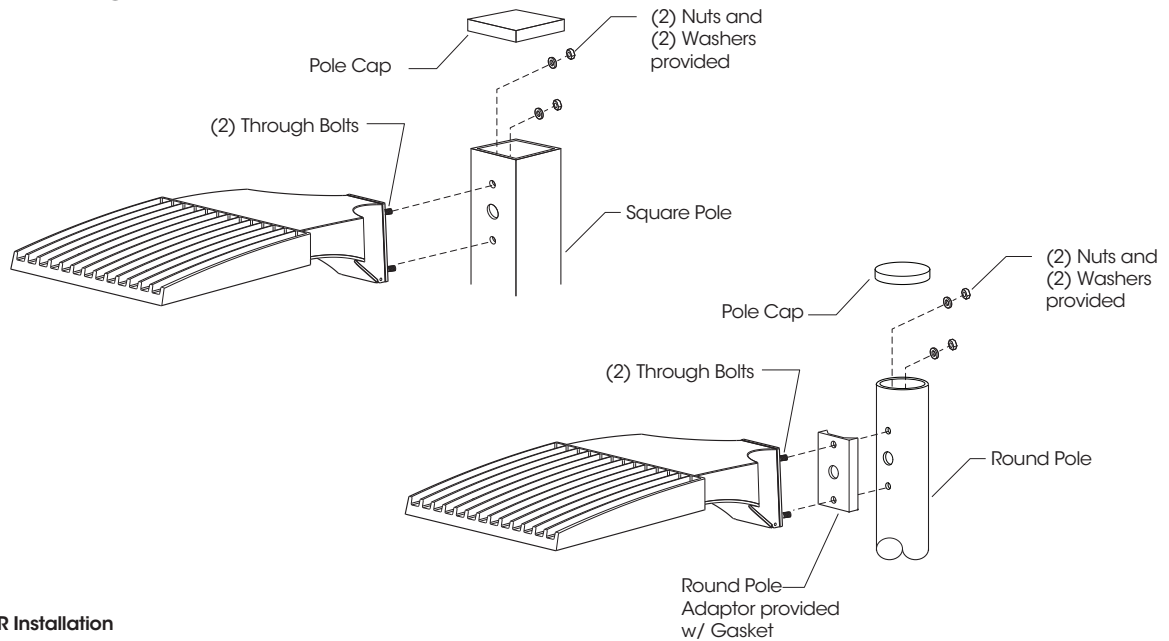
Glare Shields are rotatable on RZR and RZRM. Consult factory for custom applications.

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLED-VSQ-W-120LED-525MA-
 40K-VOLTAGE-2-180-FINISH-PG13
Notes:**Type:****A**

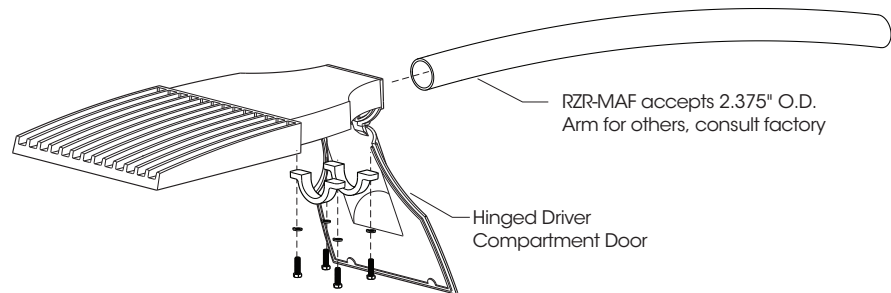
DIV-NJ23-159484

RZR SERIES - LED

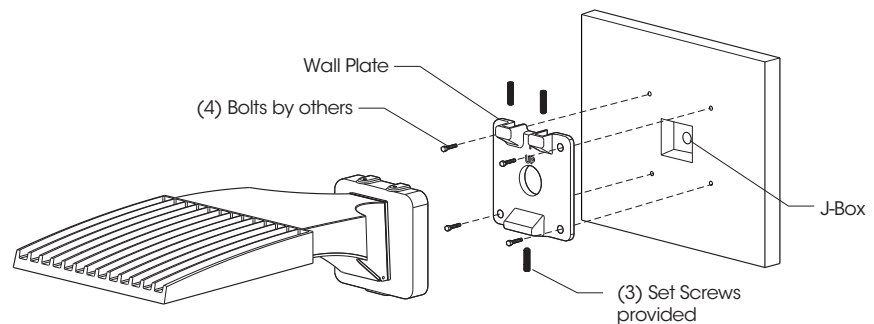
INSTALLATION DETAIL



RZR-MAF Installation



RZR-WM Installation



Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLED-VSQ-W-120LED-525MA-
 40K-VOLTAGE-2-180-FINISH-PG13

Notes:

Type:**A**

DIV-NJ23-159484

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000 (10x Test Time Calculated)	L94	0.94x
100,000 (Theoretical Calculated)	L92	0.92x
150,000 (Theoretical Calculated)	L89	0.89x

 Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)
 TM-21 6x Test Time Dictates that L94 > 60,000 Hours.

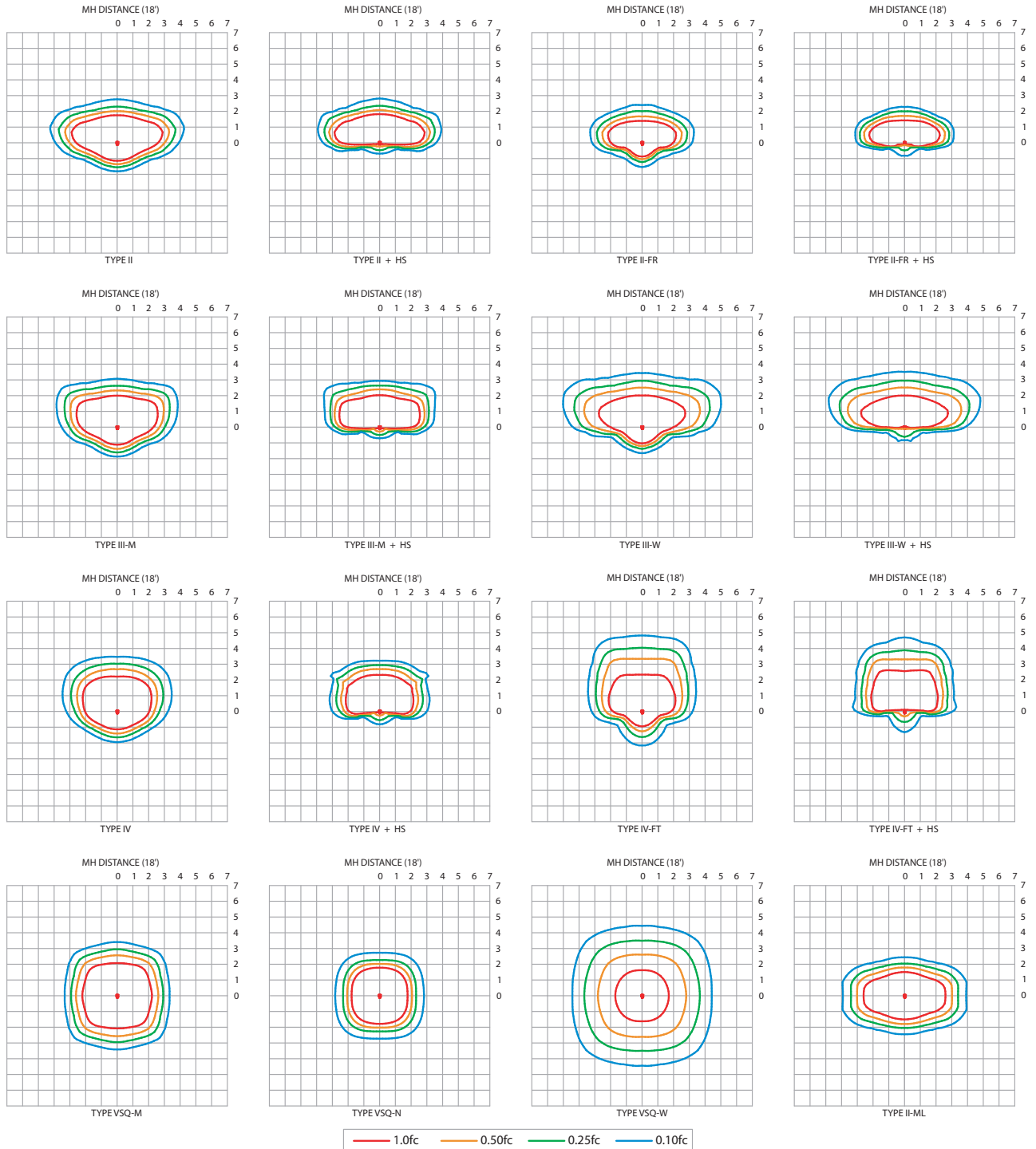
ELECTRICAL DATA GUIDE - AMPERAGE CHARTS

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
24	350	28	0.24	0.14	0.10	0.08	0.06
24	525	42	0.35	0.20	0.15	0.12	0.09
24	700	56	0.47	0.27	0.20	0.16	0.12
24	875	68	0.57	0.33	0.24	0.20	0.14
24	1050	82	0.68	0.39	0.30	0.24	0.17
48	350	53	0.44	0.25	0.19	0.15	0.11
48	525	79	0.66	0.38	0.29	0.23	0.16
48	700	105	0.88	0.51	0.38	0.30	0.22
48	875	132	1.10	0.63	0.48	0.38	0.27
48	1050	160	1.33	0.77	0.58	0.46	0.33
40	350	43	0.36	0.21	0.15	0.12	0.09
40	525	65	0.54	0.31	0.23	0.19	0.13
40	700	87	0.72	0.42	0.31	0.25	0.18
40	875	108	0.90	0.52	0.39	0.31	0.23
40	1050	128	1.07	0.62	0.46	0.37	0.27
80	350	85	0.71	0.41	0.31	0.25	0.18
80	525	129	1.08	0.62	0.47	0.37	0.27
80	700	174	1.45	0.83	0.63	0.50	0.36
80	875	216	1.80	1.04	0.78	0.62	0.45
80	1050	256	2.14	1.23	0.93	0.74	0.53
120	350	130	1.08	0.63	0.47	0.37	0.27
120	525	192	1.60	0.92	0.69	0.55	0.40
120	700	260	2.17	1.25	0.94	0.75	0.54
120	875	329	2.74	1.58	1.19	0.95	0.69
120	1050	398	3.32	1.91	1.44	1.15	0.83

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

RZRM-PLED-48LED-700mA-40K - 18' Pole Height



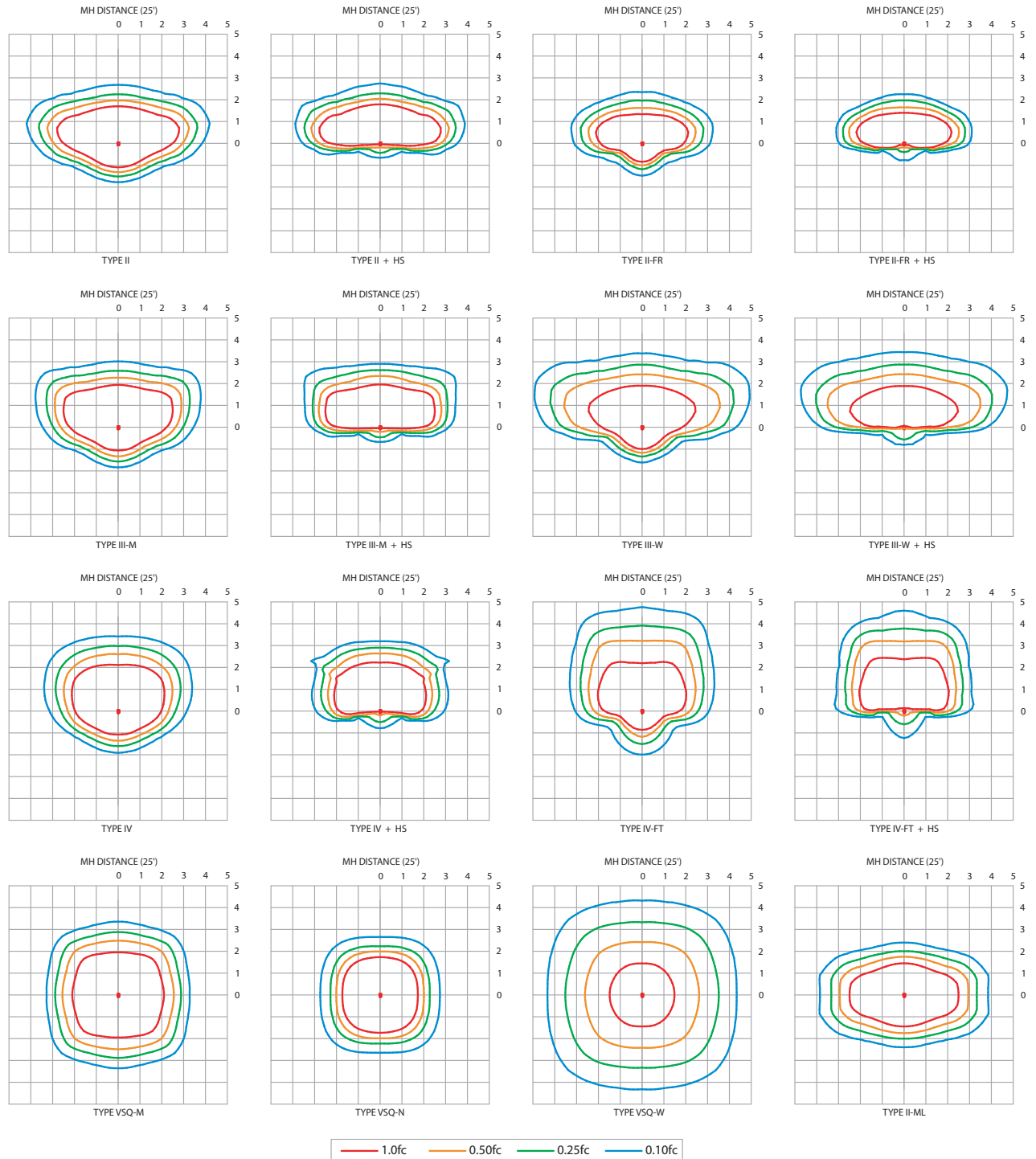
IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

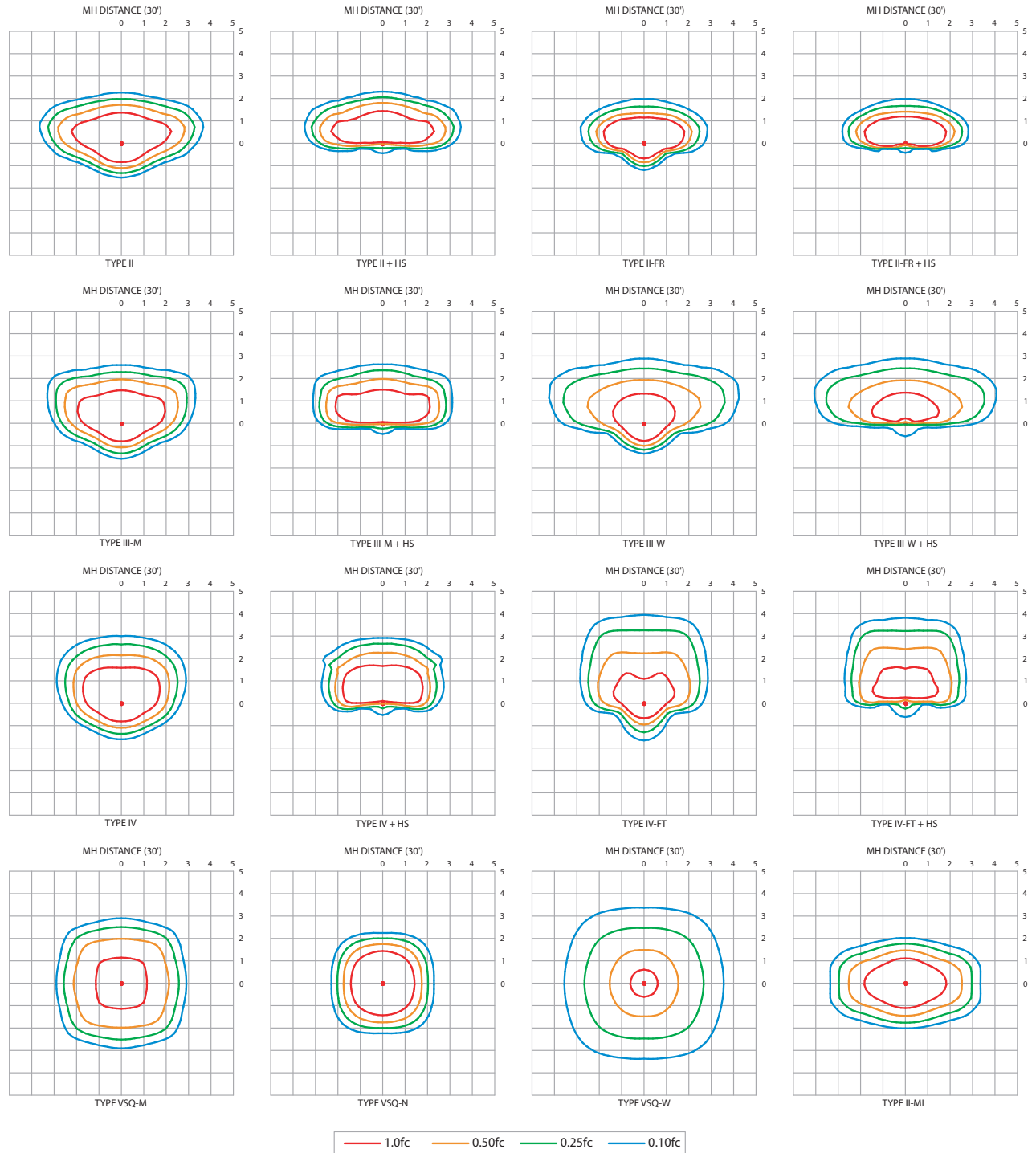
U.S. Pole Company Inc.
 An Employee Owned Company

660 West Avenue O, Palmdale, CA 93551
 Phone (661) 233-2000 www.usaltg.com

MADE IN THE
USA

U.S. ARCHITECTURAL
LIGHTING

RZR SERIES - LED**PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS****RZR-PLED-80LED-700mA-40K - 25' Pole Height**
 IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

RZR SERIES - LED**PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS****RZRG-PLED-120LED-700mA-40K 30' Pole Height**
 IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZR-PLED)

RZR-PLED																				
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)			
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING	
40	350	42.7	II	5819	136	B2-U0-G1	6281	147	B2-U0-G1	6612	155	B2-U0-G2	6943	163	B2-U0-G2	33.0	2309	70	B1-U0-G1	
			II-FR	5858	137	B2-U0-G1	6324	148	B2-U0-G1	6657	156	B2-U0-G1	6990	164	B2-U0-G1		2325	70	B1-U0-G0	
			II-ML	5819	136	B3-U0-G3	6282	147	B3-U0-G3	6612	155	B3-U0-G3	6943	163	B3-U0-G3		2309	70	B1-U0-G1	
			III-M	5921	139	B1-U0-G2	6392	150	B2-U0-G2	6728	158	B2-U0-G2	7065	165	B2-U0-G2		2349	71	B1-U0-G1	
			III-W	5497	129	B1-U0-G2	5935	139	B1-U0-G2	6247	146	B1-U0-G2	6559	154	B1-U0-G2		2182	66	B1-U0-G1	
			IV	5876	138	B1-U0-G2	6344	149	B2-U0-G2	6677	156	B2-U0-G2	7011	164	B2-U0-G2		2332	71	B1-U0-G1	
			IV-FT	5353	125	B1-U0-G2	5778	135	B1-U0-G2	6083	142	B1-U0-G2	6387	150	B1-U0-G2		2124	64	B1-U0-G1	
			VSQ-N	6141	144	B2-U0-G1	6630	155	B2-U0-G1	6979	163	B2-U0-G1	7328	172	B2-U0-G1		2438	74	B1-U0-G0	
			VSQ-M	6023	141	B3-U0-G1	6502	152	B3-U0-G1	6844	160	B3-U0-G1	7186	168	B3-U0-G1		2390	72	B2-U0-G1	
			VSQ-W	5879	138	B3-U0-G2	6346	149	B3-U0-G2	6680	156	B3-U0-G2	7015	164	B3-U0-G2		2333	71	B2-U0-G1	
			IIHS	4256	100	B0-U0-G1	4594	108	B1-U0-G1	4836	113	B1-U0-G2	5077	119	B1-U0-G2		1689	51	B0-U0-G0	
			II-FRHS	4329	101	B0-U0-G1	4673	109	B0-U0-G1	4919	115	B0-U0-G1	5165	121	B0-U0-G1		1718	52	B0-U0-G0	
			II-MHS	4305	101	B0-U0-G2	4647	109	B0-U0-G2	4892	115	B0-U0-G2	5137	120	B0-U0-G2		1708	52	B0-U0-G1	
			III-WHS	4214	99	B0-U0-G2	4550	107	B0-U0-G2	4789	112	B0-U0-G2	5028	118	B0-U0-G2		1673	51	B0-U0-G1	
			IV-HS	4447	104	B0-U0-G1	4801	112	B0-U0-G2	5054	118	B0-U0-G2	5306	124	B0-U0-G2		1764	53	B0-U0-G1	
			IV-FT-HS	4203	98	B0-U0-G2	4537	106	B0-U0-G2	4776	112	B0-U0-G2	5015	117	B0-U0-G2		1668	51	B0-U0-G1	
40	525	64.7	II	8396	130	B2-U0-G2	9064	140	B2-U0-G2	9541	147	B2-U0-G2	10017	155	B2-U0-G2	51.0	2715	53	B1-U0-G1	
			II-FR	8452	131	B2-U0-G1	9125	141	B2-U0-G1	9605	148	B2-U0-G1	10085	156	B2-U0-G1		2733	54	B1-U0-G1	
			II-ML	8396	130	B3-U0-G3	9064	140	B3-U0-G3	9541	147	B3-U0-G3	10018	155	B3-U0-G3		2715	53	B1-U0-G1	
			III-M	8543	132	B2-U0-G2	9223	143	B2-U0-G2	9708	150	B2-U0-G2	10194	158	B2-U0-G2		2762	54	B1-U0-G1	
			III-W	7932	123	B2-U0-G2	8563	132	B2-U0-G2	9013	139	B2-U0-G3	9464	146	B2-U0-G3		2565	50	B1-U0-G1	
			IV	8478	131	B2-U0-G2	9152	141	B2-U0-G2	9634	149	B2-U0-G2	10116	156	B2-U0-G2		2742	54	B1-U0-G1	
			IV-FT	7724	119	B2-U0-G3	8338	129	B2-U0-G3	8777	136	B2-U0-G3	9216	142	B2-U0-G3		2497	49	B1-U0-G1	
			VSQ-N	8861	137	B3-U0-G1	9566	148	B3-U0-G1	10070	156	B3-U0-G1	10674	163	B3-U0-G1		2866	56	B1-U0-G0	
			VSQ-M	8690	134	B3-U0-G2	9381	145	B3-U0-G2	9875	153	B3-U0-G2	10369	160	B3-U0-G2		2809	55	B2-U0-G1	
			VSQ-W	8483	131	B4-U0-G2	9157	142	B4-U0-G2	9640	149	B4-U0-G3	10122	156	B4-U0-G3		2743	54	B2-U0-G1	
			IIHS	6141	95	B1-U0-G2	6629	102	B1-U0-G2	6978	108	B1-U0-G2	7327	113	B1-U0-G2		1985	39	B0-U0-G1	
			II-FRHS	6246	97	B1-U0-G1	6743	104	B1-U0-G1	7098	110	B1-U0-G1	7453	115	B1-U0-G1		2020	40	B0-U0-G0	
			II-MHS	6212	96	B0-U0-G2	6706	104	B0-U0-G2	7060	109	B0-U0-G2	7412	115	B0-U0-G2		2009	39	B0-U0-G1	
			III-WHS	6081	94	B0-U0-G2	6564	101	B0-U0-G2	6910	107	B0-U0-G2	7255	112	B0-U0-G2		1966	39	B0-U0-G1	
			IV-HS	6417	99	B0-U0-G2	6927	107	B0-U0-G2	7292	113	B0-U0-G2	7656	118	B1-U0-G2		2075	41	B0-U0-G1	
			IV-FT-HS	6064	94	B0-U0-G2	6546	101	B0-U0-G2	6891	107	B1-U0-G2	7235	112	B1-U0-G3		1960	38	B0-U0-G1	
40	700	86.8	II	10669	123	B2-U0-G2	11518	133	B2-U0-G2	12124	140	B2-U0-G2	12730	147	B2-U0-G2	N/A	N/A			
			II-FR	10740	124	B2-U0-G1	11594	134	B3-U0-G1	12205	141	B3-U0-G1	12815	148	B3-U0-G1					
			II-ML	10669	123	B3-U0-G3	11518	133	B3-U0-G3	12124	140	B3-U0-G3	12731	147	B3-U0-G3					
			II-M	10856	125	B2-U0-G2	11719	135	B2-U0-G2	12336	142	B2-U0-G2	12953	149	B2-U0-G2					
			III-W	10079	116	B2-U0-G3	10880	125	B2-U0-G3	11453	132	B2-U0-G3	12026	139	B2-U0-G3					
			IV	10774	124	B2-U0-G2	11630	134	B2-U0-G2	12243	141	B2-U0-G2	12855	148	B2-U0-G2					
			IV-FT	9814	113	B2-U0-G3	10595	122	B2-U0-G3	11153	128	B2-U0-G3	11710	135	B2-U0-G3					
			VSQ-N	11260	130	B3-U0-G1	12156	140	B3-U0-G1	12796	147	B3-U0-G1	13435	155	B3-U0-G1					
			VSQ-M	11042	127	B4-U0-G2	11920	137	B4-U0-G2	12548	145	B4-U0-G2	13175	152	B4-U0-G2					
			VSQ-W	10778	124	B4-U0-G3	11636	134	B4-U0-G3	12248	141	B4-U0-G3	12860	148	B4-U0-G3					
			IIHS	7803	90	B1-U0-G2	8423	97	B1-U0-G2	8866	102	B1-U0-G2	9310	107	B1-U0-G2					
			II-FRHS	7937	91	B1-U0-G1	8568	99	B1-U0-G1	9019	104	B1-U0-G1	9470	109	B1-U0-G1					
			II-MHS	7893	91	B1-U0-G2	8521	98	B1-U0-G2	8970	103	B1-U0-G2	9418	109	B1-U0-G2					
			III-WHS	7726	89	B0-U0-G2	8341	96	B1-U0-G2	8780	101	B1-U0-G2	9218	106	B1-U0-G2					
			IV-HS	8153	94	B1-U0-G2	8802	101	B1-U0-G2	9265	107	B1-U0-G2	9728	112	B1-U0-G2					
			IV-FT-HS	7705	89	B1-U0-G3	8318	96	B1-U0-G3	8756	101	B1-U0-G3	9194	106	B1-U0-G3					
40	875	108.0	II	12366	114	B2-U0-G2	13349	124	B2-U0-G2	14052	130	B2-U0-G2	14754	137	B3-U0-G2	N/A	N/A			
			II-FR	12448	115	B3-U0-G1	13439	124	B3-U0-G1	14146	131	B3-U0-G1	14853	138	B3-U0-G2					
			II-ML	12366	115	B3-U0-G3	13349	124	B3-U0-G3	14052	130	B3-U0-G3	14755	137	B4-U0-G4					
			III-M	12581	116	B2-U0-G2	13582	126	B2-U0-G2	14297	132	B2-U0-G2	15012	139	B2-U0-G2					
			III-W	11682	108	B2-U0-G3	12611	117	B2-U0-G3	13275	123	B2-U0-G3	13939	129	B2-U0-G3					
			IV	12487	116	B2-U0-G2	13480	125	B2-U0-G2	14189	131	B2-U0-G2	14899	138	B2-U0-G2					
			IV-FT	11375	105	B2-U0-G3	12280	114	B2-U0-G3	12926	120	B2-U0-G3	13573	126	B2-U0-G3					
			VSQ-N	13051	121	B3-U0-G1	14089	130	B3-U0-G1	14830	137	B3-U0-G1	15572	144	B3-U0-G1					
			VSQ-M	12798	118	B4-U0-G2	13816	128	B4-U0-G2	14543	135	B4-U0-G2	15270	141	B4-U0-G2					
			VSQ-W	12492	116	B4-U0-G3	13486	125	B4-U0-G3	14196	131	B4-U0-G3	14905	138	B4-U0-G3					
			IIHS	9044	84	B1-U0-G2	9763	90	B1-U0-G2	10277	95	B1-U0-G2	10791	100	B1-U0-G2					
			II-FRHS	9199	85	B1-U0-G1	9930	92	B1-U0-G1	10453	97	B1-U0-G1	10976	102	B1-U0-G1					
			III-MHS	9149	85	B1-U0-G2	9876	91	B1-U0-G2	10396	96	B1-U0-G2	10916	101	B1-U0-G2					
			III-WHS	8955	83	B1-U0-G2	9667	90	B1-U0-G3	10176	94	B1-U0-G3	10685	99	B1-U0-G3					
			IV-HS	9450	87	B1-U0-G2	10201	94	B1-U0-G2	10738	99	B1-U0-G2	11275	104	B1-U0-G2					
			IV-FT-HS	8931	83	B1-U0-G3	9641	89	B1-U0-G3	10149	94	B1-U0-G3	10656	99	B1-U0-G3					
40	1050	128.2	II	14213	111	B2-U0-G2	15344	120	B3-U0-G2	16151	126	B3-U0-G3	16959	132	B3-U0-G3	N/A	N/A			
			II-FR	14308	112	B3-U0-G1	15446	120	B3-U0-G2	16259	127	B3-U0-G2	17072	133	B3-U0-G2					
			II-ML	14214	111	B3-U0-G3	15344	120	B4-U0-G4	16152	126	B4-U0-G4	16959	132	B4-U0-G4					
			III-M	14461	113	B2-U0-G2	15612	122	B3-U0-G2	16433	128	B3-U0-G3	17255	135	B3-U0-G3					
			III-W	13427	105	B2-U0-G3	14495	113	B2-U0-G3	15258	119	B2-U0-G3	16021	125	B3-U0-G3					
			IV	14352	112	B2-U0-G2	15494	121	B3-U0-G2	16309	127	B3-U0-G3	17125	134	B3-U0-G3					
			IV-FT	13075	102	B2-U0-G3	14115	110	B2-U0-G3	14858	116	B3-U0-G3	15601	122	B3-U0-G3					
			VSQ-N	15001	117	B3-U0-G1	16194	126	B4-U0-G1	17046	133	B4-U0-G2	17899	140	B4-U0-G2					
			VSQ-M	14710	115	B4-U0-G2	15880	124	B4-U0-G2	16716	130	B4-U0-G2	17552	137	B4-U0-G2					
			VSQ-W	14359	112	B4-U0-G3	15501	121	B4-U0-G3	16317	127	B4-U0-G3	17132	134	B5-U0-G3					
			IIHS	10395	81	B1-U0-G2	11222	88	B1-U0-G2	11813	92	B1-U0-G2	12403	97	B1-U0-G2					
			II-FRHS	10573	82	B1-U0-G1	11414	89	B1-U0-G2	12015	94	B1-U0-G2	12616	98	B1-U0-G2					
			II-MHS	10516	82	B1-U0-G2	11352	89	B1-U0-G2	11949	93	B1-U0-G3	12547	98	B1-U0-G3					
			III-WHS	10293	80	B1-U0-G3	11112	87	B1-U0-G3	11696	91	B1-U0-G3	12281	96	B1-U0-G3					
			IV-HS	10862	85	B1-U0-G2	11726	91	B1-U0-G2	12343	96	B1-U0-G2	12960	101	B1-U0-G3					
			IV-FT-HS	10366	80	B1-U0-G3	11082	86	B1-U0-G3	11665	91	B1-U0-G3	12248	96	B1-U0-G3					

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZR-PLED)

RZR-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	350	85.4	II	11277	132	B2-U0-G2	12174	143	B2-U0-G2	12814	150	B2-U0-G2	13455	158	B2-U0-G2	67.0	4475	67	B1-U0-G1
			II-FR	11352	133	B3-U0-G1	12256	144	B3-U0-G1	12901	151	B3-U0-G1	13546	159	B3-U0-G1		4504	67	B1-U0-G1
			II-ML	11277	132	B3-U0-G3	12175	143	B3-U0-G3	12815	150	B3-U0-G3	13456	158	B3-U0-G3		4475	67	B2-U0-G2
			III-M	11474	134	B2-U0-G2	12387	145	B2-U0-G2	13039	153	B2-U0-G2	13691	160	B2-U0-G2		4553	68	B1-U0-G1
			III-W	10654	125	B2-U0-G3	11501	135	B2-U0-G3	12106	142	B2-U0-G3	12712	149	B2-U0-G3		4228	63	B1-U0-G2
			IV	11388	133	B2-U0-G2	12294	144	B2-U0-G2	12941	152	B2-U0-G2	13588	159	B2-U0-G2		4518	67	B1-U0-G1
			IV-FT	10374	121	B2-U0-G3	11199	131	B2-U0-G3	11788	138	B2-U0-G3	12377	145	B2-U0-G3		4117	61	B1-U0-G1
			VSQ-N	11902	139	B3-U0-G1	12849	150	B3-U0-G1	13525	158	B3-U0-G1	14202	166	B3-U0-G1		4723	70	B2-U0-G1
			VSQ-M	11671	137	B4-U0-G2	12600	148	B4-U0-G2	13263	155	B4-U0-G2	13927	163	B4-U0-G2		4631	69	B3-U0-G1
			VSQ-W	11392	133	B4-U0-G3	12299	144	B4-U0-G3	12946	152	B4-U0-G3	13593	159	B4-U0-G3		4520	67	B3-U0-G2
			II-HS	8247	97	B1-U0-G2	8903	104	B1-U0-G2	9372	110	B1-U0-G2	9840	115	B1-U0-G2		3273	49	B0-U0-G1
			II-FR-HS	8389	98	B1-U0-G1	9056	106	B1-U0-G1	9533	112	B1-U0-G1	10009	117	B1-U0-G1		3329	50	B0-U0-G1
			II-M-HS	8344	98	B1-U0-G2	9007	105	B1-U0-G2	9482	111	B1-U0-G2	9956	117	B1-U0-G2		3311	49	B0-U0-G1
			III-W-HS	8167	96	B1-U0-G2	8817	103	B1-U0-G2	9281	109	B1-U0-G2	9745	114	B1-U0-G3		3240	48	B0-U0-G1
			IV-HS	8618	101	B1-U0-G2	9304	109	B1-U0-G2	9793	115	B1-U0-G2	10283	120	B1-U0-G2		3420	51	B0-U0-G1
			IV-FT-HS	8144	95	B1-U0-G3	8792	103	B1-U0-G3	9255	108	B1-U0-G3	9718	114	B1-U0-G3		3232	48	B0-U0-G2
80	525	129.4	II	16239	125	B3-U0-G3	17531	135	B3-U0-G3	18454	143	B3-U0-G3	19377	150	B3-U0-G3	101.0	5251	52	B1-U0-G1
			II-FR	16348	126	B3-U0-G2	17648	136	B3-U0-G2	18577	144	B3-U0-G2	19506	151	B3-U0-G2		5286	52	B1-U0-G1
			II-ML	16240	126	B4-U0-G4	17532	135	B4-U0-G4	18454	143	B4-U0-G4	19377	150	B4-U0-G4		5251	52	B2-U0-G2
			III-M	16523	128	B3-U0-G3	17837	138	B3-U0-G3	18776	145	B3-U0-G3	19715	152	B3-U0-G3		5343	53	B1-U0-G2
			III-W	15341	119	B2-U0-G3	16562	128	B3-U0-G3	17433	135	B3-U0-G3	18305	141	B3-U0-G3		4961	49	B1-U0-G2
			IV	16398	127	B3-U0-G3	17703	137	B3-U0-G3	18635	144	B3-U0-G3	19566	151	B3-U0-G3		5302	52	B1-U0-G1
			IV-FT	14938	115	B3-U0-G3	16127	125	B3-U0-G4	16976	131	B3-U0-G4	17824	138	B3-U0-G4		4830	48	B1-U0-G2
			VSQ-N	17140	132	B4-U0-G2	18504	143	B4-U0-G2	19477	151	B4-U0-G2	20451	158	B4-U0-G2		5542	55	B2-U0-G1
			VSQ-M	16807	130	B4-U0-G2	18144	140	B4-U0-G2	19099	148	B4-U0-G2	20053	155	B4-U0-G2		5434	54	B3-U0-G1
			VSQ-W	16406	127	B4-U0-G3	17711	137	B5-U0-G3	18643	144	B5-U0-G3	19575	151	B5-U0-G3		5304	53	B3-U0-G2
			II-HS	11877	92	B1-U0-G2	12821	99	B1-U0-G2	13496	104	B1-U0-G3	14171	110	B1-U0-G3		3841	38	B0-U0-G1
			II-FR-HS	12081	93	B1-U0-G2	13042	101	B1-U0-G2	13728	106	B1-U0-G2	14414	111	B1-U0-G2		3906	39	B0-U0-G1
			II-M-HS	12016	93	B1-U0-G3	12971	100	B1-U0-G3	13654	106	B1-U0-G3	14337	111	B1-U0-G3		3885	38	B0-U0-G1
			III-W-HS	11760	91	B1-U0-G3	12696	98	B1-U0-G3	13364	103	B1-U0-G3	14032	108	B1-U0-G3		3803	38	B0-U0-G2
			IV-HS	12411	96	B1-U0-G2	13398	104	B1-U0-G3	14103	109	B1-U0-G3	14808	114	B1-U0-G3		4013	40	B0-U0-G1
			IV-FT-HS	11729	91	B1-U0-G3	12662	98	B1-U0-G3	13328	103	B1-U0-G3	13995	108	B1-U0-G4		3792	38	B0-U0-G2
80	700	173.6	II	20595	119	B3-U0-G3	22232	128	B3-U0-G3	23403	135	B3-U0-G3	24573	142	B3-U0-G3	N/A	N/A		
			II-FR	20732	119	B3-U0-G2	22381	129	B3-U0-G2	23559	136	B3-U0-G2	24736	142	B3-U0-G2				
			II-ML	20595	119	B4-U0-G4	22233	128	B4-U0-G4	23403	135	B4-U0-G4	24573	142	B4-U0-G4				
			III-M	20954	121	B3-U0-G3	22621	130	B3-U0-G3	23812	137	B3-U0-G4	25003	144	B3-U0-G4				
			III-W	19456	112	B3-U0-G4	21003	121	B3-U0-G4	22109	127	B3-U0-G4	23214	134	B3-U0-G4				
			IV	20797	120	B3-U0-G3	22451	129	B3-U0-G3	23633	136	B3-U0-G3	24814	143	B3-U0-G4				
			IV-FT	18945	109	B3-U0-G4	20452	118	B3-U0-G4	21528	124	B3-U0-G4	22604	130	B3-U0-G4				
			VSQ-N	21737	125	B4-U0-G2	23466	135	B4-U0-G2	24701	142	B4-U0-G2	25936	149	B4-U0-G2				
			VSQ-M	21314	123	B5-U0-G3	23010	133	B5-U0-G3	24221	140	B5-U0-G3	25432	146	B5-U0-G3				
			VSQ-W	20806	120	B5-U0-G3	22461	129	B5-U0-G4	23643	136	B5-U0-G4	24825	143	B5-U0-G4				
			II-HS	15062	87	B1-U0-G3	16260	94	B1-U0-G3	17115	99	B1-U0-G3	17971	104	B1-U0-G3				
			II-FR-HS	15321	88	B1-U0-G2	16539	95	B1-U0-G2	17410	100	B1-U0-G2	18280	105	B1-U0-G2				
			II-M-HS	15238	88	B1-U0-G3	16450	95	B1-U0-G3	17315	100	B1-U0-G3	18181	105	B1-U0-G4				
			III-W-HS	14915	86	B1-U0-G4	16101	93	B1-U0-G4	16948	98	B1-U0-G4	17796	103	B1-U0-G4				
			IV-HS	15739	91	B1-U0-G3	16991	98	B1-U0-G3	17885	103	B1-U0-G3	18780	108	B1-U0-G3				
			IV-FT-HS	14874	86	B1-U0-G4	16058	92	B1-U0-G4	16903	97	B1-U0-G4	17748	102	B1-U0-G4				
80	875	215.9	II	23798	110	B3-U0-G3	25691	119	B3-U0-G3	27043	125	B3-U0-G4	28395	132	B3-U0-G4	N/A	N/A		
			II-FR	23957	111	B3-U0-G2	25862	120	B3-U0-G2	27223	126	B3-U0-G2	28585	132	B4-U0-G2				
			II-ML	23799	110	B4-U0-G4	25692	119	B4-U0-G4	27044	125	B4-U0-G4	28396	132	B4-U0-G4				
			III-M	24214	112	B3-U0-G4	26140	121	B3-U0-G4	27516	127	B3-U0-G4	28892	134	B3-U0-G4				
			III-W	22482	104	B3-U0-G4	24270	112	B3-U0-G4	25548	118	B3-U0-G4	26825	124	B3-U0-G4				
			IV	24032	111	B3-U0-G3	25943	120	B3-U0-G4	27309	126	B3-U0-G4	28674	133	B3-U0-G4				
			IV-FT	21892	101	B3-U0-G4	23634	109	B3-U0-G5	24877	115	B3-U0-G5	26121	121	B3-U0-G5				
			VSQ-N	25118	116	B4-U0-G2	27116	126	B5-U0-G2	28543	132	B5-U0-G2	29970	139	B5-U0-G2				
			VSQ-M	24630	114	B5-U0-G3	26589	123	B5-U0-G3	27988	130	B5-U0-G3	29387	136	B5-U0-G3				
			VSQ-W	24042	111	B5-U0-G4	25954	120	B5-U0-G4	27321	127	B5-U0-G4	28686	133	B5-U0-G4				
			II-HS	17405	81	B1-U0-G3	18789	87	B1-U0-G3	19778	92	B1-U0-G4	20766	96	B2-U0-G4				
			II-FR-HS	17704	82	B1-U0-G2	19112	89	B1-U0-G2	20118	93	B1-U0-G2	21124	98	B1-U0-G2				
			II-M-HS	17608	82	B1-U0-G4	19008	88	B1-U0-G4	20009	93	B1-U0-G4	21009	97	B1-U0-G4				
			III-W-HS	17234	80	B1-U0-G4	18605	86	B1-U0-G4	19584	91	B1-U0-G4	20564	95	B1-U0-G4				
			IV-HS	18187	84	B1-U0-G3	19634	91	B1-U0-G4	20667	96	B1-U0-G4	21701	101	B1-U0-G4				
			IV-FT-HS	17188	80	B1-U0-G4	18555	86	B1-U0-G4	19532	90	B1-U0-G4	20509	95	B1-U0-G4				
80	1050	256.4	II	27354	107	B3-U0-G4	29530	115	B4-U0-G4	31084	121	B4-U0-G4	32638	127	B4-U0-G4	N/A	N/A		
			II-FR	27536	107	B3-U0-G2	29727	116	B4-U0-G2	31291	122	B4-U0-G2	32856	128	B4-U0-G2				
			II-ML	27355	107	B4-U0-G4	29531	115	B5-U0-G5	31085	121	B5-U0-G5	32639	127	B5-U0-G5				
			III-M	27832	109	B3-U0-G4	30046	117	B3-U0-G4	31627	123	B4-U0-G4	33209	130	B4-U0-G4				
			III-W	25841	101	B3-U0-G4	27897	109	B3-U0-G4	29365	115	B3-U0-G5	30834	120	B3-U0-G5				
			IV	27622	108	B3-U0-G4	29820	116	B3-U0-G4	31389	122	B4-U0-G4	32959	129	B4-U0-G4				
			IV-FT	25163	98	B3-U0-G5	27165	106	B3-U0-G5	28595	112	B3-U0-G5	30024	117	B3-U0-G5				
			VSQ-N	28871	113	B5-U0-G2	31168	122	B5-U0-G2	32808	128	B5-U0-G2	34448	134	B5-U0-G2				
			VSQ-M	28310	110	B5-U0-G3	30561	119	B5-U0-G3	32170	125	B5-U0-G4	33779	132	B5-U0-G4				
			VSQ-W	27634	108	B5-U0-G4	29833	116	B5-U0-G4	31403	122	B5-U0-G5	32973	129	B5-U0-G5				
			II-HS	20005	78	B1-U0-G4	21596	84	B2-U0-G4	22733	89	B2-U0-G4	23870	93	B2-U0-G4				
			II-FR-HS	20349	79	B1-U0-G2	21968	86	B1-U0-G2	23124	90	B1-U0-G2	24280	95	B1-U0-G2				
			II-M-HS	20239	79	B1-U0-G4	21848	85	B1-U0-G4	22998	90	B1-U0-G4	24148	94	B1-U0-G4				
			III-W-HS	19809	77	B1-U0-G4	21385	83	B1-U0-G4	22511	88	B1-U0-G4	23636	92	B1-U0-G5				
			IV-HS	20905	82	B1-U0-G4	22568	88	B1-U0-G4	23756	93	B1-U0-G4	24943	97	B1-U0-G4				
			IV-FT-HS	19756	77	B1-U0-G4	21398	83	B1-U0-G4	22451	88	B1-U0-G5	23573	92	B1-U0-G5				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRG-PLED)

RZR-G-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	350	87.0	II	11409	131	B2-U0-G2	12317	142	B2-U0-G2	12965	149	B2-U0-G2	13613	156	B2-U0-G2	67.0	4528	68	B1-U0-G1
			II-FR	11485	132	B3-U0-G1	12398	143	B3-U0-G1	13051	150	B3-U0-G1	13703	158	B3-U0-G1		4558	68	B1-U0-G1
			II-ML	11409	131	B3-U0-G3	12317	142	B3-U0-G3	12965	149	B3-U0-G3	13613	156	B3-U0-G3		4528	68	B2-U0-G2
			III-M	11608	133	B2-U0-G2	12531	144	B2-U0-G2	13191	152	B2-U0-G2	13850	159	B2-U0-G2		4553	68	B1-U0-G1
			III-W	10778	124	B2-U0-G3	11635	134	B2-U0-G3	12248	141	B2-U0-G3	12860	148	B2-U0-G3		4276	64	B1-U0-G2
			IV	11520	132	B2-U0-G2	12437	143	B2-U0-G2	13091	150	B2-U0-G2	13746	158	B2-U0-G2		4572	68	B1-U0-G1
			IV-FT	10494	121	B2-U0-G3	11330	130	B2-U0-G3	11926	137	B2-U0-G3	12522	144	B2-U0-G3		4165	62	B1-U0-G1
			VSQ-N	12041	138	B3-U0-G1	12999	149	B3-U0-G1	13683	157	B3-U0-G1	14367	165	B3-U0-G1		4779	71	B2-U0-G1
			VSQ-M	11808	136	B4-U0-G2	12747	147	B4-U0-G2	13418	154	B4-U0-G2	14089	162	B4-U0-G2		4686	70	B3-U0-G1
			VSQ-W	11526	132	B4-U0-G3	12443	143	B4-U0-G3	13097	151	B4-U0-G3	13752	158	B4-U0-G3		4574	68	B3-U0-G2
			IIHS	8464	97	B1-U0-G2	9138	105	B1-U0-G2	9618	111	B1-U0-G2	10099	116	B1-U0-G2		3359	50	B0-U0-G1
			II-FRHS	8609	99	B1-U0-G1	9294	107	B1-U0-G1	9783	112	B1-U0-G1	10274	118	B1-U0-G1		3417	51	B0-U0-G1
			II-MHS	8563	98	B1-U0-G2	9244	106	B1-U0-G2	9731	112	B1-U0-G2	10217	117	B1-U0-G2		3398	51	B0-U0-G1
			III-WHS	8382	96	B1-U0-G2	9048	104	B1-U0-G2	9525	109	B1-U0-G3	10001	115	B1-U0-G3		3326	50	B0-U0-G1
			IV-HS	8845	102	B1-U0-G2	9548	110	B1-U0-G2	10051	116	B1-U0-G2	10553	121	B1-U0-G2		3510	52	B0-U0-G1
			IV-FT-HS	8359	96	B1-U0-G3	9024	104	B1-U0-G3	9499	109	B1-U0-G3	9974	115	B1-U0-G3		3317	50	B0-U0-G2
80	525	129.0	II	16394	127	B3-U0-G3	17698	137	B3-U0-G3	18629	144	B3-U0-G3	19560	152	B3-U0-G3	101.0	5301	52	B1-U0-G1
			II-FR	16503	128	B3-U0-G2	17816	138	B3-U0-G2	18753	145	B3-U0-G2	19691	153	B3-U0-G2		5336	53	B1-U0-G1
			II-ML	16394	127	B4-U0-G4	17698	137	B4-U0-G4	18630	144	B4-U0-G4	19561	152	B4-U0-G4		5302	52	B2-U0-G2
			III-M	16680	129	B3-U0-G3	14740	114	B2-U0-G2	18955	147	B3-U0-G3	19902	154	B3-U0-G3		5343	53	B1-U0-G2
			III-W	15488	120	B2-U0-G3	16720	130	B3-U0-G3	17600	136	B3-U0-G3	18479	143	B3-U0-G4		5008	50	B1-U0-G2
			IV	16555	128	B3-U0-G3	17871	139	B3-U0-G3	18812	146	B3-U0-G3	19753	153	B3-U0-G3		5353	53	B1-U0-G1
			IV-FT	15081	117	B3-U0-G3	16280	126	B3-U0-G3	17137	133	B3-U0-G3	17994	139	B3-U0-G3		4877	48	B1-U0-G2
			VSQ-N	17303	134	B4-U0-G2	18679	145	B4-U0-G2	19663	152	B4-U0-G2	20646	160	B4-U0-G2		5595	55	B2-U0-G1
			VSQ-M	16967	132	B4-U0-G2	18317	142	B4-U0-G2	19281	149	B4-U0-G2	20245	157	B4-U0-G2		5486	54	B3-U0-G1
			VSQ-W	16562	128	B4-U0-G3	17880	139	B5-U0-G3	18821	146	B5-U0-G3	19762	153	B5-U0-G3		5355	53	B3-U0-G2
			IIHS	12089	94	B1-U0-G2	13052	101	B1-U0-G3	13738	106	B1-U0-G3	14425	112	B1-U0-G3		3909	39	B0-U0-G1
			II-FRHS	12298	95	B1-U0-G2	13276	103	B1-U0-G2	13975	108	B1-U0-G2	14674	114	B1-U0-G2		3977	39	B0-U0-G1
			II-MHS	12231	95	B1-U0-G3	13204	102	B1-U0-G3	13899	108	B1-U0-G3	14594	113	B1-U0-G3		3954	39	B0-U0-G1
			III-WHS	11971	93	B1-U0-G3	12924	100	B1-U0-G3	13604	105	B1-U0-G3	14284	111	B1-U0-G3		3871	38	B0-U0-G2
			IV-HS	12633	98	B1-U0-G2	13638	106	B1-U0-G3	14356	111	B1-U0-G3	15074	117	B1-U0-G3		4085	40	B0-U0-G1
			IV-FT-HS	11940	93	B1-U0-G3	12889	100	B1-U0-G3	13568	105	B1-U0-G3	14246	110	B1-U0-G4		3861	38	B0-U0-G2
80	700	174.0	II	20914	120	B3-U0-G3	22578	130	B3-U0-G3	23766	137	B3-U0-G3	24955	143	B3-U0-G3	N/A	N/A		
			II-FR	21054	121	B3-U0-G2	22729	131	B3-U0-G2	23924	137	B3-U0-G2	25121	144	B3-U0-G2				
			II-ML	20915	120	B4-U0-G4	22579	130	B4-U0-G4	23767	137	B4-U0-G4	24955	143	B4-U0-G4				
			II-M	21280	122	B3-U0-G3	22972	132	B3-U0-G3	24182	139	B3-U0-G4	25391	146	B3-U0-G4				
			III-W	19759	114	B3-U0-G4	21330	123	B3-U0-G4	22453	129	B3-U0-G4	23575	135	B3-U0-G4				
			IV	21120	121	B3-U0-G3	22800	131	B3-U0-G3	24000	138	B3-U0-G3	25200	145	B3-U0-G4				
			IV-FT	19239	111	B3-U0-G4	20770	119	B3-U0-G4	21862	126	B3-U0-G4	22956	132	B3-U0-G4				
			VSQ-N	22074	127	B4-U0-G2	23831	137	B4-U0-G2	25084	144	B4-U0-G2	26339	151	B4-U0-G2				
			VSQ-M	21646	124	B5-U0-G3	23367	134	B5-U0-G3	24598	141	B5-U0-G3	25827	148	B5-U0-G3				
			VSQ-W	21129	121	B5-U0-G4	22810	131	B5-U0-G4	24010	138	B5-U0-G4	25212	145	B5-U0-G4				
			IIHS	15363	88	B1-U0-G3	16586	95	B1-U0-G3	17458	100	B1-U0-G3	18332	105	B1-U0-G3				
			II-FRHS	15628	90	B1-U0-G2	16872	97	B1-U0-G2	17759	102	B1-U0-G2	18647	107	B1-U0-G2				
			II-MHS	15542	89	B1-U0-G3	16778	96	B1-U0-G3	17662	102	B1-U0-G4	18545	107	B1-U0-G4				
			III-WHS	15213	87	B1-U0-G4	16423	94	B1-U0-G4	17288	99	B1-U0-G4	18152	104	B1-U0-G4				
			IV-HS	16055	92	B1-U0-G3	17331	100	B1-U0-G3	18244	105	B1-U0-G3	19155	110	B1-U0-G3				
			IV-FT-HS	15172	87	B1-U0-G4	16380	94	B1-U0-G4	17242	99	B1-U0-G4	18104	104	B1-U0-G4				
80	875	219.7	II	25063	114	B3-U0-G3	27057	123	B3-U0-G4	28481	130	B3-U0-G4	29905	136	B4-U0-G4	N/A	N/A		
			II-FR	25230	115	B3-U0-G2	27237	124	B3-U0-G2	28670	130	B4-U0-G2	30104	137	B4-U0-G2				
			II-ML	25064	114	B4-U0-G4	27057	123	B4-U0-G4	28481	130	B4-U0-G4	29906	136	B5-U0-G5				
			III-M	25501	116	B3-U0-G4	27529	125	B3-U0-G4	28978	132	B3-U0-G4	30427	138	B3-U0-G4				
			III-W	23677	108	B3-U0-G4	25560	116	B3-U0-G4	26906	122	B3-U0-G4	28251	129	B3-U0-G4				
			IV	25309	115	B3-U0-G4	27322	124	B3-U0-G4	28760	131	B3-U0-G4	30198	137	B3-U0-G4				
			IV-FT	23056	105	B3-U0-G4	24889	113	B3-U0-G4	26200	119	B3-U0-G4	27509	125	B3-U0-G4				
			VSQ-N	26453	120	B4-U0-G2	28557	130	B5-U0-G2	30060	137	B5-U0-G2	31563	144	B5-U0-G2				
			VSQ-M	25939	118	B5-U0-G3	28002	127	B5-U0-G3	29476	134	B5-U0-G3	30950	141	B5-U0-G3				
			VSQ-W	25320	115	B5-U0-G4	27335	124	B5-U0-G4	28773	131	B5-U0-G4	30212	138	B5-U0-G4				
			IIHS	18330	83	B1-U0-G3	19788	90	B1-U0-G4	20830	95	B2-U0-G4	21871	100	B2-U0-G4				
			II-FRHS	18645	85	B1-U0-G2	20128	92	B1-U0-G2	21188	96	B1-U0-G2	22247	101	B1-U0-G2				
			II-MHS	18543	84	B1-U0-G4	20018	91	B1-U0-G4	21072	96	B1-U0-G4	22125	101	B1-U0-G4				
			III-WHS	18151	83	B1-U0-G4	19594	89	B1-U0-G4	20626	94	B1-U0-G4	21657	99	B1-U0-G4				
			IV-HS	19154	87	B1-U0-G3	20677	94	B1-U0-G4	21766	99	B1-U0-G4	22854	104	B1-U0-G4				
			IV-FT-HS	18102	82	B1-U0-G4	19591	89	B1-U0-G4	20571	94	B1-U0-G4	21599	98	B1-U0-G4				
80	1050	266.0	II	28808	108	B4-U0-G4	31049	117	B4-U0-G4	32736	123	B4-U0-G4	34373	129	B4-U0-G4	N/A	N/A		
			II-FR	29000	109	B4-U0-G2	31306	118	B4-U0-G2	32954	124	B4-U0-G2	34602	130	B4-U0-G2				
			II-ML	28809	108	B5-U0-G5	31100	117	B5-U0-G5	32737	123	B5-U0-G5	34374	129	B5-U0-G5				
			III-M	29311	110	B3-U0-G4	31643	119	B4-U0-G4	33308	125	B4-U0-G4	34974	131	B4-U0-G4				
			III-W	27215	102	B3-U0-G4	29380	110	B3-U0-G5	30926	116	B3-U0-G5	32473	122	B3-U0-G5				
			IV	29091	109	B3-U0-G4	31404	118	B4-U0-G4	33058	124	B4-U0-G4	34710	130	B4-U0-G4				
			IV-FT	26501	100	B3-U0-G4	28608	108	B3-U0-G4	30114	113	B3-U0-G5	31620	119	B3-U0-G5				
			VSQ-N	30405	114	B5-U0-G2	32824	123	B5-U0-G2	34551	130	B5-U0-G2	36279	136	B5-U0-G2				
			VSQ-M	29815	112	B5-U0-G3	32186	121	B5-U0-G4	33880	127	B5-U0-G4	35575	134	B5-U0-G4				
			VSQ-W	29104	109	B5-U0-G4	31419	118	B5-U0-G5	33073	124	B5-U0-G5	34726	131	B5-U0-G5				
			IIHS	21069	79	B2-U0-G4	22745	86	B2-U0-G4	23942	90	B2-U0-G4	25139	95	B2-U0-G4				
			II-FRHS	21432	81	B1-U0-G2	23136	87	B1-U0-G2	24354	92	B1-U0-G2	25571	96	B2-U0-G2				
			II-MHS	21314	80	B1-U0-G4	23009	87	B1-U0-G4	24220	91	B1-U0-G4	25431	96	B1-U0-G4				
			III-WHS	20862	78	B1-U0-G4	22521	85	B1-U0-G4	23708	89	B1-U0-G5	24893	94	B1-U0-G5				
			IV-HS	22016	83	B1-U0-G4	23766	89	B1-U0-G4	25018	94	B1-U0-G4	26268	99	B1-U0-G4				
			IV-FT-HS	20807	78	B1-U0-C4	22461	84	B1-U0-C5	23644	89	B1-U0-C5	24826	93	B1-U0-C5				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRG-PLED)

RZR-G-PLED																										
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)									
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING							
120	350	130.0	II	16889	130	B3-U0-G3	18233	140	B3-U0-G3	19192	148	B3-U0-G3	20152	155	B3-U0-G3	100.0	6702	67	B2-U0-G2							
			II-FR	17001	131	B3-U0-G2	18354	141	B3-U0-G2	19320	149	B3-U0-G2	20286	156	B3-U0-G2		6747	67	B2-U0-G1							
			II-ML	16890	130	B4-U0-G4	18233	140	B4-U0-G4	19193	148	B4-U0-G4	20152	155	B4-U0-G4		6703	67	B3-U0-G3							
			III-M	17184	132	B3-U0-G3	18552	143	B3-U0-G3	19527	150	B3-U0-G3	20504	158	B3-U0-G3		6818	68	B2-U0-G2							
			III-W	15956	123	B3-U0-G3	17224	132	B3-U0-G3	18131	139	B3-U0-G3	19037	146	B3-U0-G4		6331	63	B1-U0-G2							
			IV	17055	131	B3-U0-G3	18411	142	B3-U0-G3	19381	149	B3-U0-G3	20349	157	B3-U0-G3		6768	68	B2-U0-G2							
			IV-FT	15537	120	B3-U0-G3	16772	129	B3-U0-G3	17655	136	B3-U0-G3	18538	143	B3-U0-G4		6165	62	B1-U0-G2							
			VSQ-N	17825	137	B4-U0-G2	19243	148	B4-U0-G2	20256	156	B4-U0-G2	21269	164	B4-U0-G2		7073	71	B2-U0-G1							
			VSQ-M	17480	134	B4-U0-G2	18870	145	B4-U0-G2	19863	153	B4-U0-G2	20857	160	B4-U0-G2		6936	69	B3-U0-G1							
			VSQ-W	17062	131	B5-U0-G3	18420	142	B5-U0-G3	19389	149	B5-U0-G3	20358	157	B5-U0-G3		6771	68	B3-U0-G2							
			IIHS	12352	95	B1-U0-G2	13334	103	B1-U0-G3	14036	108	B1-U0-G3	14738	113	B1-U0-G3		4901	49	B1-U0-G2							
			II-FRHS	12564	97	B1-U0-G2	13564	104	B1-U0-G2	14277	110	B1-U0-G2	14992	115	B1-U0-G2		4986	50	B0-U0-G1							
			III-MHS	12496	96	B1-U0-G3	13490	104	B1-U0-G3	14199	109	B1-U0-G3	14910	115	B1-U0-G3		4959	50	B0-U0-G2							
			III-WHS	12231	94	B1-U0-G3	13204	102	B1-U0-G3	13899	107	B1-U0-G3	14594	112	B1-U0-G3		4853	49	B0-U0-G2							
			IV-HS	12907	99	B1-U0-G3	13934	107	B1-U0-G3	14667	113	B1-U0-G3	15400	118	B1-U0-G3		5122	51	B0-U0-G2							
			IV-FT-HS	12198	94	B1-U0-G3	13168	101	B1-U0-G3	13862	107	B1-U0-G4	14555	112	B1-U0-G4		4840	48	B0-U0-G2							
			120	525	192.0	II	24123	126	B3-U0-G3	26042	136	B3-U0-G3	27413	143	B3-U0-G4		28783	150	B4-U0-G4	152.0	7800	51	B2-U0-G2			
						II-FR	24284	126	B3-U0-G2	26216	137	B3-U0-G2	27596	144	B3-U0-G2		28975	151	B4-U0-G2		7853	52	B2-U0-G1			
						II-ML	24124	126	B4-U0-G4	26042	136	B4-U0-G4	27414	143	B4-U0-G4		28784	150	B5-U0-G5		7800	51	B3-U0-G3			
						III-M	24545	128	B3-U0-G4	26498	138	B3-U0-G4	27892	145	B3-U0-G4		29287	153	B3-U0-G4		7937	52	B2-U0-G2			
III-W	22789	119				B3-U0-G4	24603	128	B3-U0-G4	25897	135	B3-U0-G4	27192	142	B3-U0-G4	7368	48	B1-U0-G2								
IV	24360	127				B3-U0-G4	26298	137	B3-U0-G4	27682	144	B3-U0-G4	29066	151	B3-U0-G4	7876	52	B2-U0-G2								
IV-FT	22191	116				B3-U0-G4	23956	125	B3-U0-G4	25217	131	B3-U0-G4	26478	138	B3-U0-G4	7176	47	B1-U0-G2								
VSQ-N	25461	133				B4-U0-G2	27486	143	B5-U0-G2	28933	151	B5-U0-G2	30379	158	B5-U0-G2	8233	54	B3-U0-G1								
VSQ-M	24967	130				B5-U0-G3	26952	140	B5-U0-G3	28371	148	B5-U0-G3	29789	155	B5-U0-G3	8073	53	B3-U0-G2								
VSQ-W	24371	127				B5-U0-G4	26309	137	B5-U0-G4	27695	144	B5-U0-G4	29079	151	B5-U0-G4	7881	52	B3-U0-G2								
IIHS	17642	92				B1-U0-G3	19046	99	B1-U0-G3	20048	104	B1-U0-G4	21050	110	B2-U0-G4	5704	38	B1-U0-G2								
II-FRHS	17946	93				B1-U0-G2	19373	101	B1-U0-G2	20393	106	B1-U0-G2	21413	112	B1-U0-G2	5803	38	B1-U0-G1								
IIIM-HS	17848	93				B1-U0-G4	19268	100	B1-U0-G4	20282	106	B1-U0-G4	21296	111	B1-U0-G4	5772	38	B0-U0-G2								
IIIM-WHS	17470	91				B1-U0-G4	18860	98	B1-U0-G4	19852	103	B1-U0-G4	20844	109	B1-U0-G4	5649	37	B0-U0-G2								
IV-HS	18435	96				B1-U0-G3	19902	104	B1-U0-G4	20949	109	B1-U0-G4	21997	115	B1-U0-G4	5961	39	B0-U0-G2								
IV-FT-HS	17423	91				B1-U0-G4	18809	98	B1-U0-G4	19799	103	B1-U0-G4	20789	108	B1-U0-G4	5633	37	B0-U0-G2								
120	700	260.0				II	30656	118	B4-U0-G4	33094	127	B4-U0-G4	34836	134	B4-U0-G4	36578	141	B4-U0-G4	N/A		N/A					
						II-FR	30860	119	B4-U0-G2	33315	128	B4-U0-G2	35068	135	B4-U0-G2	36822	142	B4-U0-G2								
						II-ML	30657	118	B5-U0-G5	33095	127	B5-U0-G5	34837	134	B5-U0-G5	36579	141	B5-U0-G5								
						II-M	31191	120	B4-U0-G4	33673	130	B4-U0-G4	35445	136	B4-U0-G4	37217	143	B4-U0-G4								
			III-W	28960	111	B3-U0-G4	31265	120	B3-U0-G5	32909	127	B3-U0-G5	34555	133	B3-U0-G5											
			IV	30956	119	B4-U0-G4	33418	129	B4-U0-G4	35177	135	B4-U0-G4	36936	142	B4-U0-G4											
			IV-FT	28200	108	B3-U0-G4	30444	117	B3-U0-G5	32046	123	B3-U0-G5	33648	129	B3-U0-G5											
			VSQ-N	32356	124	B5-U0-G2	34929	134	B5-U0-G2	36768	141	B5-U0-G2	38606	148	B5-U0-G2											
			VSQ-M	31727	122	B5-U0-G4	34250	132	B5-U0-G4	36054	139	B5-U0-G4	37856	146	B5-U0-G4											
			VSQ-W	30971	119	B5-U0-G4	33434	129	B5-U0-G5	35194	135	B5-U0-G5	36953	142	B5-U0-G5											
			IIHS	22420	86	B2-U0-G4	24203	93	B2-U0-G4	25478	98	B2-U0-G4	26751	103	B2-U0-G4											
			II-FRHS	22806	88	B1-U0-G2	24619	95	B1-U0-G2	25916	100	B2-U0-G2	27212	105	B2-U0-G2											
			IIIM-HS	22682	87	B1-U0-G4	24485	94	B1-U0-G4	25774	99	B1-U0-G4	27063	104	B1-U0-G4											
			III-WHS	22201	85	B1-U0-G4	23967	92	B1-U0-G5	25228	97	B1-U0-G5	26489	102	B1-U0-G5											
			IV-HS	23428	90	B1-U0-G4	25291	97	B1-U0-G4	26622	102	B1-U0-G4	27953	108	B1-U0-G4											
			IV-FT-HS	22141	85	B1-U0-G5	23902	92	B1-U0-G5	25160	97	B1-U0-G5	26418	102	B1-U0-G5											
			120	875	329.0	II	36574	111	B4-U0-G4	39483	120	B4-U0-G4	41561	126	B4-U0-G4	43639	133	B4-U0-G5		N/A				N/A		
						II-FR	36818	112	B4-U0-G2	39746	121	B4-U0-G2	41838	127	B4-U0-G3	43930	134	B4-U0-G3								
						II-ML	36575	111	B5-U0-G5	39485	120	B5-U0-G5	41562	126	B5-U0-G5	43640	133	B5-U0-G5								
						III-M	37213	113	B4-U0-G4	40174	122	B4-U0-G5	42288	129	B4-U0-G5	44402	135	B4-U0-G5								
III-W	34552	105				B3-U0-G5	37300	113	B3-U0-G5	39263	119	B4-U0-G5	41226	125	B4-U0-G5											
IV	36932	112				B4-U0-G4	39870	121	B4-U0-G5	41969	128	B4-U0-G5	44067	134	B4-U0-G5											
IV-FT	33644	102				B3-U0-G5	36321	110	B3-U0-G5	38232	116	B4-U0-G5	40144	122	B4-U0-G5											
VSQ-N	38602	117				B5-U0-G2	41673	127	B5-U0-G2	43866	133	B5-U0-G2	46060	140	B5-U0-G2											
VSQ-M	37852	115				B5-U0-G4	40863	124	B5-U0-G4	43014	131	B5-U0-G4	45165	137	B5-U0-G4											
VSQ-W	36950	112				B5-U0-G5	39888	121	B5-U0-G5	41988	128	B5-U0-G5	44088	134	B5-U0-G5											
IIHS	26748	81				B2-U0-G4	28876	88	B2-U0-G4	30395	92	B2-U0-G4	31916	97	B2-U0-G5											
II-FRHS	27209	83				B2-U0-G2	29373	89	B2-U0-G2	30919	94	B2-U0-G2	32465	99	B2-U0-G3											
IIIM-HS	27060	82				B1-U0-G4	29213	89	B1-U0-G5	30750	93	B1-U0-G5	32287	98	B1-U0-G5											
III-WHS	26487	81				B1-U0-G5	28593	87	B1-U0-G5	30098	91	B1-U0-G5	31603	96	B1-U0-G5											
IV-HS	27951	85				B1-U0-G4	30174	92	B1-U0-G4	31762	97	B1-U0-G5	33350	101	B1-U0-G5											
IV-FT-HS	26416	80				B1-U0-G5	28517	87	B1-U0-G5	30018	91	B1-U0-G5	31519	96	B2-U0-G5											
120	1050	398.0				II	42039	106	B4-U0-G5	45383	114	B4-U0-G5	47771	120	B4-U0-G5	50160	126	B5-U0-G5	N/A		N/A					
						II-FR	42319	106	B4-U0-G3	45685	115	B4-U0-G3	48089	121	B4-U0-G3	50494	127	B4-U0-G3								
						II-ML	42040	106	B5-U0-G5	45384	114	B5-U0-G5	47773	120	B5-U0-G5	50161	126	B5-U0-G5								
						II-M	42774	107	B4-U0-G5	46177	116	B4-U0-G5	48606	122	B4-U0-G5	51037	128	B4-U0-G5								
			III-W	39714	100	B4-U0-G5	42873	108	B4-U0-G5	45130	113	B4-U0-G5	47387	119	B4-U0-G5											
			IV	42451	107	B4-U0-G5	45828	115	B4-U0-G5	48240	121	B4-U0-G5	50652	127	B4-U0-G5											
			IV-FT	38671	97	B4-U0-G5	41748	105	B4-U0-G5	43945	110	B4-U0-G5	46143	116	B4-U0-G5											
			VSQ-N	44370	111	B5-U0-G2	47899	120	B5-U0-G3	50421	127	B5-U0-G3	52942	133	B5-U0-G3											
			VSQ-M	43508	109	B5-U0-G4	46969	118	B5-U0-G4	49441	124	B5-U0-G4	51914	130	B5-U0-G5											
			VSQ-W	42471	107	B5-U0-G5	45849	115	B5-U0-G5	48262	121	B5-U0-G5	50676	127	B5-U0-G5											
			IIHS	30745	77	B2-U0-G4	33191	83	B2-U0-G5	34938	88	B2-U0-G5	36685	92	B2-U0-G5											
			II-FRHS	31274	79	B2-U0-G3	33761	85	B2-U0-G3	35539	89	B2-U0-G3	37315	93	B2-U0-G3											
			IIIM-HS	31104	78	B1-U0-G5	33578	84	B1-U0-G5	35345	89	B2-U0-G5	37112	93	B2-U0-G5											
			III-WHS	30444	76	B1-U0-G5	32866	83	B1-U0-G5	34596	87	B1-U0-G5	36325	91	B2-U0-G5											
			IV-HS	32127	81	B1-U0-G5	34683	87	B2-U0-G5	36508	92	B2-U0-G5	38333	96	B2-U0-G5											
			IV-FT-HS	30363	74	B1-U0-C5	32727	82	B2-U0-C5	34504	87	B2-U0-C5	36390	91	B2-U0-C5											

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:

R240840606T4-D2-COLOR-PG13

Type:**A POLE**

Notes:

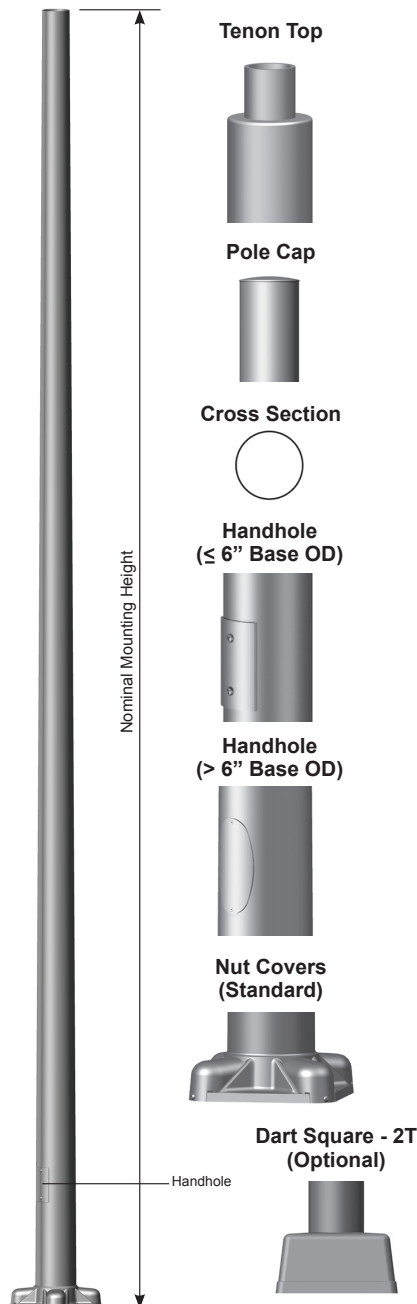
DIV-NJ23-159484



18' to 25' ROUND TAPERED ALUMINUM 4-Bolt Anchor Base

Job Name: _____		Client Name: _____	
Job Location - City: _____	State: _____	Created By: _____	Date: _____
Product: _____	Quote: _____	Customer Approval: _____	Date: _____

SPECIFICATIONS



Pole - The pole shaft is spun from seamless alloy aluminum.

Pole Top - A pole top tenon is provided for top mount luminaire and/or bracket. A removable pole cap is available for poles receiving drilling patterns for side-mount luminaire arm assemblies.

Handhole - A covered handhole with hardware and grounding provision are provided.

Base Cover - Optional Dart Square-2T cast and decorative base covers available as special order.

Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Finish - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

Poles - Aluminum

RTA / 4-Bolt Anchor Base

18' to 25'

Poles - Aluminum

RTA / 4-Bolt Anchor Base

18' to 25'

18' to 25' ROUND TAPERED ALUMINUM 4-Bolt Anchor Base



Job Name: _____

Client Name: _____

Job Location - City: _____ State: _____

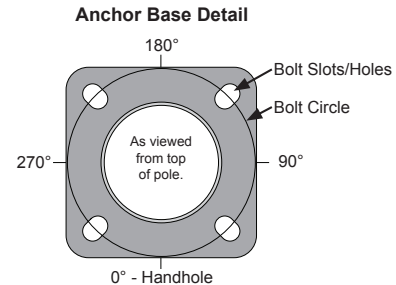
Created By: _____ Date: _____

Product: _____ Quote: _____

Customer Approval: _____ Date: _____

ANCHORAGE DATA

POLE		BASE PLATE				ANCHOR BOLTS		
BASE OD (IN)	WALL THK (IN)	BOLT CIRCLE		SQUARE (IN)	THK (IN)	DIA x LENGTH x HOOK (IN)	PROJECTION (IN)	± (IN)
		DIA (IN)	± (IN)					
5.00	0.125	8.63	0.88	9.61	0.630	0.75 x 17.00 x 3.00	3.25	N/A
5.00	0.156	8.63	0.88	9.61	0.630	0.75 x 17.00 x 3.00	3.25	N/A
5.00	0.188	8.63	0.88	9.61	0.630	0.75 x 17.00 x 3.00	3.25	N/A
6.00	0.156	9.50	0.75	10.32	0.630	0.75 x 17.00 x 3.00	3.50	N/A
6.00	0.188	9.50	0.75	10.32	0.630	0.75 x 17.00 x 3.00	3.50	N/A
7.00	0.156	10.56	0.43	11.26	0.750	1.00 x 36.00 x 4.00	4.13	N/A
8.00	0.156	11.63	0.37	12.05	0.750	1.00 x 36.00 x 4.00	4.13	N/A
8.00	0.188	11.63	0.37	12.05	0.750	1.00 x 36.00 x 4.00	4.13	N/A
9.00	0.156	13.25	0.75	12.48	1.250	1.00 x 36.00 x 4.00	4.13	N/A



LOAD AND DIMENSIONAL DATA

NOMINAL MOUNTING HEIGHT	DESIGN INFORMATION										POLE DIMENSIONS					
	70 MPH w/1.3 GUST		80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST		110 MPH w/1.3 GUST		POLE HEIGHT	BASE OD (IN)	TOP OD (IN)	WALL THK (IN)	STRUCTURE WEIGHT2 (LBS)	MODEL NUMBER
	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)						
18'-0"	6.5	100	4.4	100	3.1	100	2.2	100	1.5	100	17'-8"	5.00	3.00	0.125	40	170830504T4
	8.6	100	6.0	100	4.3	100	3.2	100	2.4	100	17'-8"	5.00	3.00	0.156	48	170830505T4
	10.7	100	7.6	100	5.6	100	4.2	100	3.2	100	17'-8"	5.00	3.00	0.188	56	170830506T4
	15.4	100	11.3	100	8.6	100	6.8	100	5.5	100	17'-8"	6.00	4.00	0.156	59	170840605T4
	18.9	100	14.0	100	10.7	100	8.5	100	6.9	100	17'-8"	6.00	4.00	0.188	70	170840606T4
	24.2	150	17.9	150	13.8	150	10.9	150	8.9	150	17'-8"	7.00	4.00	0.156	66	170840705T4
20'-0"	5.1	100	3.3	100	2.1	100	1.3	100	0.8	100	19'-8"	5.00	3.00	0.125	42	190830504T4
	7.0	100	4.7	100	3.2	100	2.2	100	1.5	100	19'-8"	5.00	3.00	0.156	51	190830505T4
	8.8	100	6.1	100	4.3	100	3.1	100	2.3	100	19'-8"	5.00	3.00	0.188	60	190830506T4
	12.7	100	9.1	100	6.8	100	5.3	100	4.2	100	19'-8"	6.00	4.00	0.156	63	190840605T4
	15.8	100	11.4	100	8.6	100	6.8	100	5.4	100	19'-8"	6.00	4.00	0.188	74	190840606T4
	20.5	150	15.1	150	11.5	150	9.0	150	7.3	150	19'-8"	7.00	4.00	0.156	73	190840705T4
23'-0"	9.5	100	6.5	100	4.6	100	3.4	100	2.7	100	22'-8"	6.00	4.00	0.156	68	220840605T4
	12.1	100	8.5	100	6.2	100	4.7	100	3.7	100	22'-8"	6.00	4.00	0.188	80	220840606T4
	16.0	150	11.5	150	8.6	150	6.6	150	5.3	150	22'-8"	7.00	4.00	0.156	77	220840705T4
	22.4	150	16.5	150	12.7	150	10.0	150	8.1	150	22'-8"	8.00	4.50	0.156	87	220845805T4
	27.7	150	20.6	150	15.9	150	12.6	150	10.2	150	22'-8"	8.00	4.50	0.188	102	220845806T4
	29.9	150	22.3	150	17.3	150	13.7	150	11.1	150	22'-8"	9.00	4.50	0.156	97	220845905T4
25'-0"	7.8	100	5.1	100	3.5	100	2.5	100	1.9	100	24'-8"	6.00	4.00	0.156	74	+240840605T4
	10.0	100	6.9	100	4.8	100	3.6	100	2.8	100	24'-8"	6.00	4.00	0.188	88	240840606T4
	13.6	150	9.6	150	7.0	150	5.3	150	4.2	150	24'-8"	7.00	4.00	0.156	85	240840705T4
	19.4	150	14.2	150	10.8	150	8.5	150	6.8	150	24'-8"	8.00	4.50	0.156	96	240845805T4
	24.2	150	17.8	150	13.7	150	10.8	150	8.7	150	24'-8"	8.00	4.50	0.188	113	240845806T4
	26.2	150	19.4	150	15.0	150	11.8	150	9.5	150	24'-8"	9.00	4.50	0.156	107	240845905T4

- EPA represents the Effective Projected Area of each luminaire. Designs are limited to top mount or side-mount luminaires. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.
- Structure weight is a nominal value which includes the pole shaft and base plate.
+ Pole includes factory installed vibration damper.

PRODUCT ORDERING CODES

CROSS SECTION	MODEL NUMBER	FIXTURE MOUNTING	COLOR	OPTIONS
R			ADVISE	
R = Round	170830504T4 220845806T4 170830505T4 220845905T4 170830506T4 +240840605T4 170840605T4 240840606T4 170840606T4 240840705T4 170840705T4 240845805T4 190830504T4 240845806T4 190830505T4 240845905T4 190830506T4 190840605T4 190840606T4 190840705T4 220840605T4 220840606T4 220840705T4 220845805T4	Drill Mounting D1 = 1 Luminaire D2 = 2 @ 180° D3 = 3 @ 120° D4 = 4 @ 90° D5 = 2 @ 90° D6 = 3 @ 90° Tenon Mounting P2 = 2.38" OD x 4.00" P3 = 3.50" OD x 6.00" P4 = 4.00" OD x 6.00" P5 = 2.88" OD x 4.00" P7 = 2.38" OD x 5.00" PQ = 2.38" OD x 12.00" PD = 3.00" OD x 3.00" -- = Plain Top P9 = Other Tenon (Contact Factory)	Polyester Powder DWH = White DSS = Sandstone BR = Burgundy HG = Hunter Green DNA = Natural Aluminum DCG = Charcoal Gray DMB = Medium Bronze SBN = Sanded Brown DNB = New Dark Bronze DDB = Dark Bronze SBK = Sanded Black DBL = Black DSB = Steel Blue DTG = Dark Green DBR = Red SC = Special Color (Contact Factory) Anodized 204 = Clear Natural 311 = Light Bronze* 312 = Medium Bronze* 313 = Dark Bronze* 335 = Black* *Duranodic Anodize Brushed SBF = Satin Brushed	See Accessories at valmontstructures.com (Please Specify with Code)

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLED-IV-FT-120LED-525MA-
 40K-VOLTAGE-1-FINISH-PG13

Notes:

Type:**B**

DIV-NJ23-159484

AREA & ROADWAY LIGHTING

RAZAR SERIES - LED

LOW PROFILE AREA LUMINAIRE

Optical Housing

Heavy cast, low copper aluminum assembly (A356 alloy, <.2% copper) minimum wall thickness .188". LED Module mounting area is machined to within a 0.002" surface flatness variance for maximum surface contact and thermal conductivity from the LED modules to the radiating fins. Passive radiating fins above the LED Optics provide superior thermal management and long LED life. The optical and electrical compartments are integrated with the support arm to create one assembly. Cast and hinged driver compartment cover allows access to the drivers and wiring.

Electrical Housing w/ Integrated Arm

Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly. Minimum wall thickness is .188". Cast and hinged driver assembly cover is integrated with wiring compartment cover.

PLED™ Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED Driver(s)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50, 60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED Emitters

High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

Amber LED's

TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish

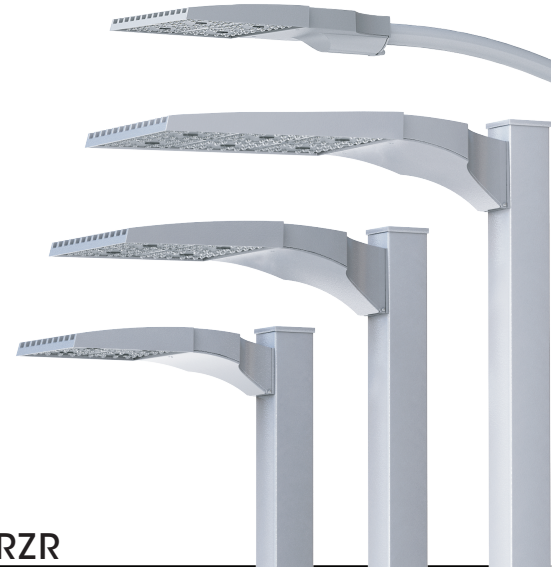
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

Mast Arm Fitter/Electrical Housing

Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +1.5 or +3° up from the horizontal. All hardware is stainless steel.

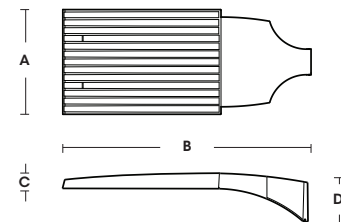
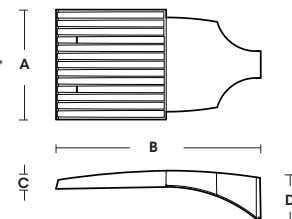
PROJECT NAME:

PROJECT TYPE:

**RZR**

(MODELS: RZRM, RZR, RZR-G & RZR-MAF*)

PATENT PENDING

RZR-GRZR, RZRM & RZR-MAF*
(Top View)**RZR & RZRM****RZR-MAF***

FIXTURE	A	B	C	D
RZR-G	15" 381mm	36.5" 927mm	3" 76mm	7" 187mm
RZR	14.75" 375mm	28.25" 718mm	2.75" 70mm	6.5" 165mm
RZRM	11.5" 292mm	22" 559mm	2.5" 64mm	5.25" 133mm
RZR-MAF	15" 381mm	28.25" 724mm	2.5" 64mm	4" 102mm

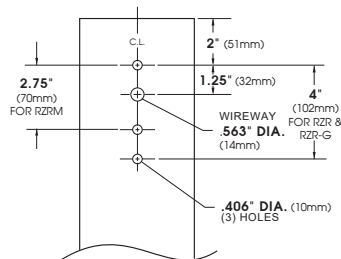


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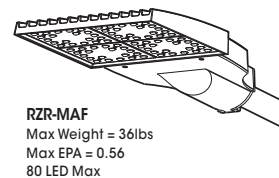
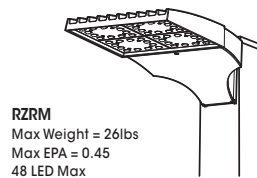
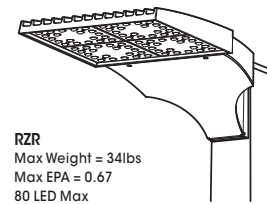
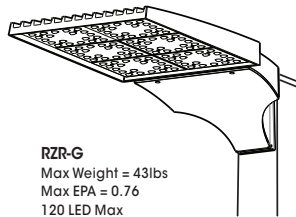
RZR SERIES - LED

SPECIFICATIONS

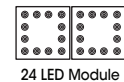
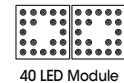
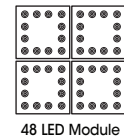
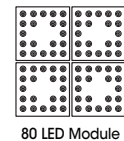
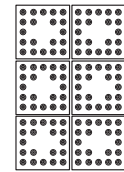
POLE DRILLING TEMPLATE



EPA & WEIGHT



PLED™ MODULES



ORDERING INFORMATION

Spec/Order Example: RZR/PLED-IV/80LED-700mA/CW/277/RAL-8019-S

Luminaire	Optics	LED Mode			Voltage ADVISE	Mounting	Finish ADVISE	Options
Luminaire	Optics	LED			Voltage	Mounting	Finish	Options
☐ RZR-G ☐ RZR ☐ RZR-MAF ☐ RZRM	PLED™ Distribution Type ☐ Type II PLED-II ☐ Type II Front Row PLED-II-FR ☐ Type III Median Illuminator PLED-II-MIL ☐ Type III Med. PLED-III ☐ Type III Wide PLED-III-W ☐ Type IV PLED-IV ☒ Type IV PLED-IV-FT ☐ Type V Narrow PLED-VSQ-N ☐ Type V Med. PLED-V-SQ-M ☐ Type V Wide PLED-V-SQ-W	# of LEDs RZR-G ☒ 120LED ☐ 80LED RZR/RZR-MAF ☐ 80LED ☐ 40LED RZRM ☐ 48LED ☐ 24LED	Drive Current ☐ 1050mA ¹ ☐ 875mA ¹ ☐ 700mA ¹ ☒ 525mA ☐ 350mA ☐ TRA True Amber ² Consult Factory for Other LED Color, CCT, & CRI Options Consult Factory for Other Drive Currents	Color Temp - CCT ☐ 27K (2700K) ☐ 30K (3000K) ☒ 40K (4000K) ☐ 50K (5000K)	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480	Arm Mount ☒ 1 ☐ 2-180 ☐ 2-90 ☐ 3-90 ☐ 3-120 ☐ 4-90 Wall Mount ☐ WM WM - Wall Mount provided with mounting bracket and cover.	Standard Textured Finish ☐ Black RAL-9005-T ☐ White RAL-9003-T ☐ Grey RAL-7004-T ☐ Dark Bronze RAL-8019-T ☐ Green RAL-6005-T Premium Finishes ☐ Rust ☐ Patina Copper PC For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factory for custom colors	☐ Internal House Side Shield Inc. LED Count (Example: HS-PLED/48) HS-PLED ☐ External Glare Shield 4 Sided EGS4 ☐ External Glare Shield 3 Sided Rear Wedge EGS3W ☐ Round Pole Adapter RPA ☐ Twist Lock Receptable Only TPR ☐ 7-Pin Twist Lock Receptable Only TPR7 ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) HLSW ☐ Twist Lock Photocell + Voltage (Example: TPC347V) TPC+V ☐ Photo Cell + Voltage (Example: PC120V) PC+V ☐ Single Fuse (120V, 277V) SF ☐ Double Fuse (208V, 240V) DF ☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75lc) MS-F311

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLED-IV-FT-120LED-525MA-
 40K-VOLTAGE-1-FINISH-PG13

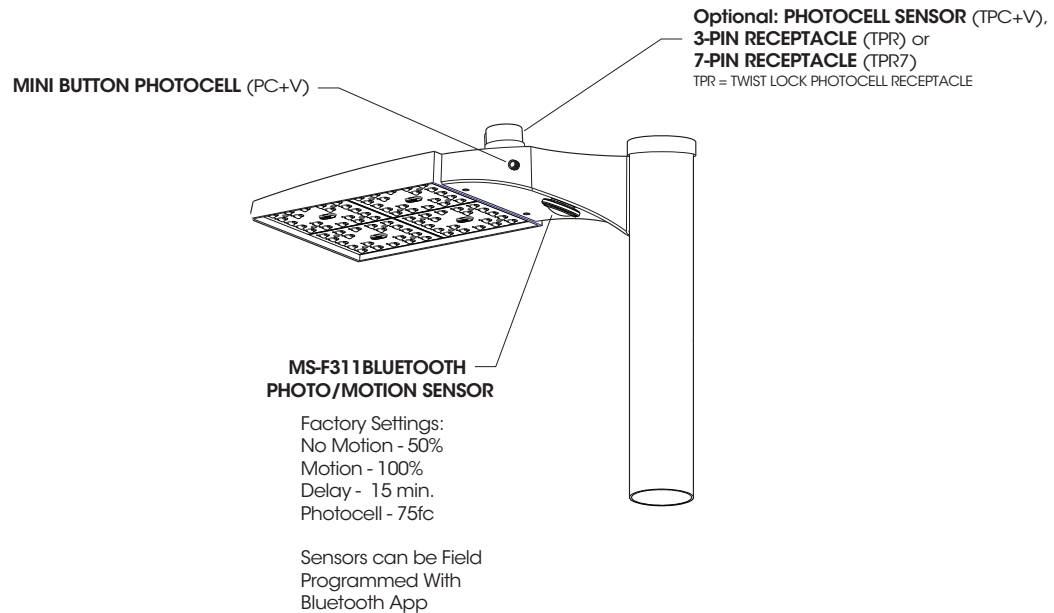
Notes:

Type:**B**

DIV-NJ23-159484

RZR SERIES - LED

OPTIONS



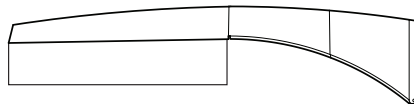
High Low Dimming For Switches (HLSW)

The HLSW is a Small Electronic Switch which Provides High Low Dimming Control Through the LED Driver's 0-10V Control. Switching is Done by Adding a Secondary AC Switched Hot Trigger Line to the HLSW in Addition to the Normal AC Power Line. When the Secondary Trigger Line is Powered, the Fixture will go to 100% Dimming. With no Power to the Trigger, the Fixture will operate at 50% or 25% Dimming. Switches for the Trigger Line can be a Normal AC Switch/Breaker or Timed Switch/Breaker.

Wireless and Other Fixture Controls

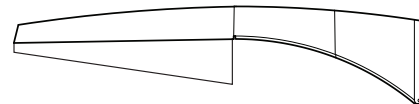
Contact Factory for Wireless and Other Fixture Controls and Recommendations. Most Controls Can be Integrated and Factory Installed.

EXTERNAL GLARE SHIELDS



EGS4 - 4 Sided Shield

Minimum Cutoff = 12°
 Average Cutoff = 23°



EGS3W - 3 Sided Shield

Minimum Rear Cutoff = 12°
 Average Rear Cutoff = 23°
 Minimum Side Cutoff = 4°
 Average Side Cutoff = 16°

Glare Shields are rotatable on RZR and RZRM. Consult factory for custom applications.

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
**RZR-G-PLED-IV-FT-120LED-525MA-
 40K-VOLTAGE-1-FINISH-PG13**

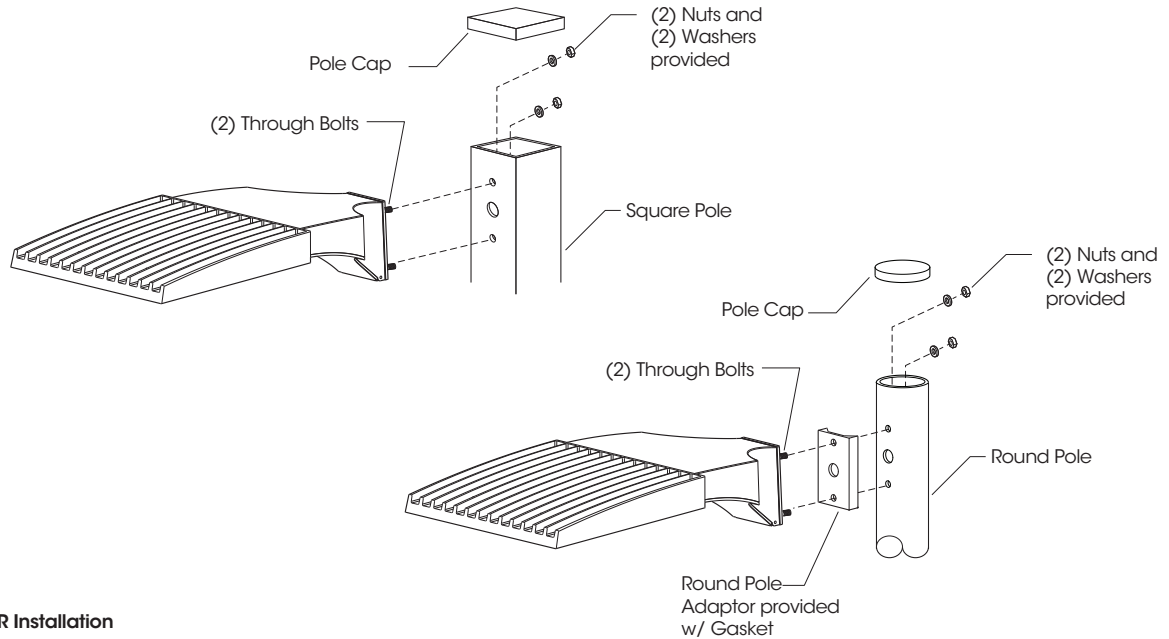
Notes:

Type:**B**

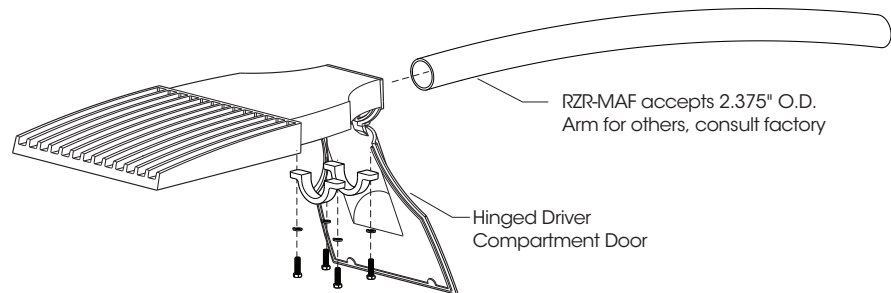
DIV-NJ23-159484

RZR SERIES - LED

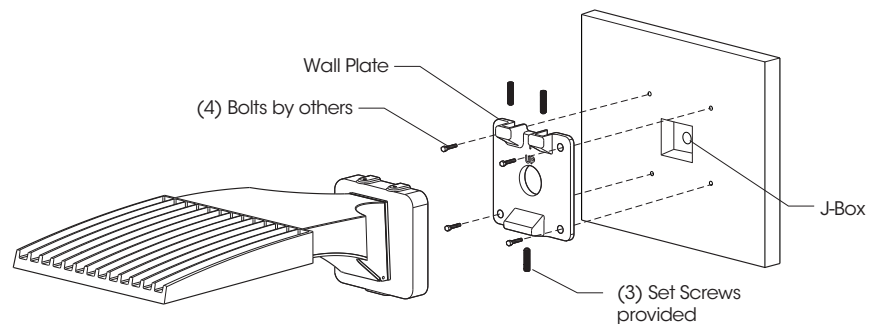
INSTALLATION DETAIL



RZR Installation



RZR-MAF Installation



RZR-WM Installation

RZR SERIES - LED

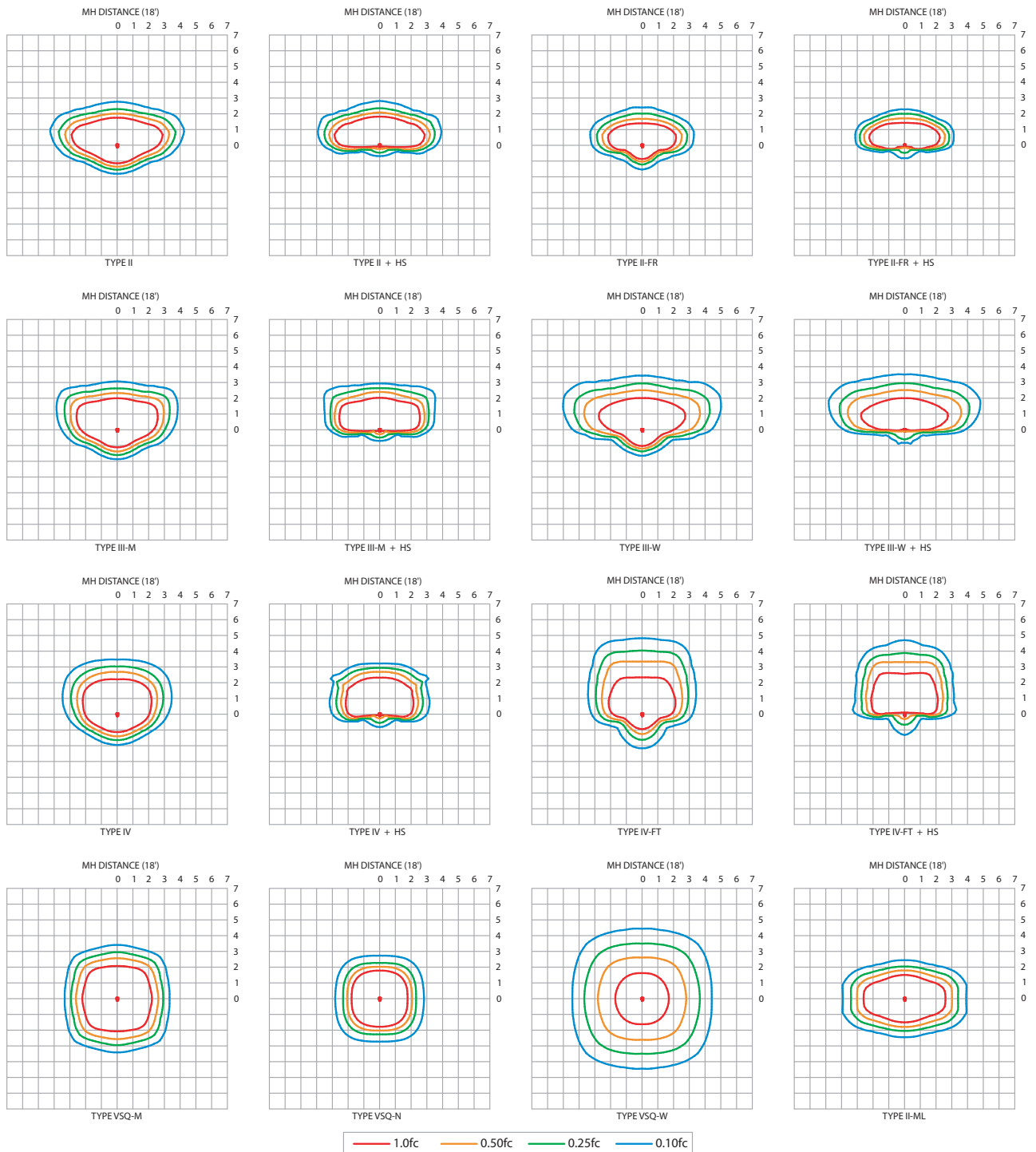
PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000 (10x Test Time Calculated)	L94	0.94x
100,000 (Theoretical Calculated)	L92	0.92x
150,000 (Theoretical Calculated)	L89	0.89x

Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)
TM-21 6x Test Time Dictates that L94 > 60,000 Hours.

ELECTRICAL DATA GUIDE - AMPERAGE CHARTS

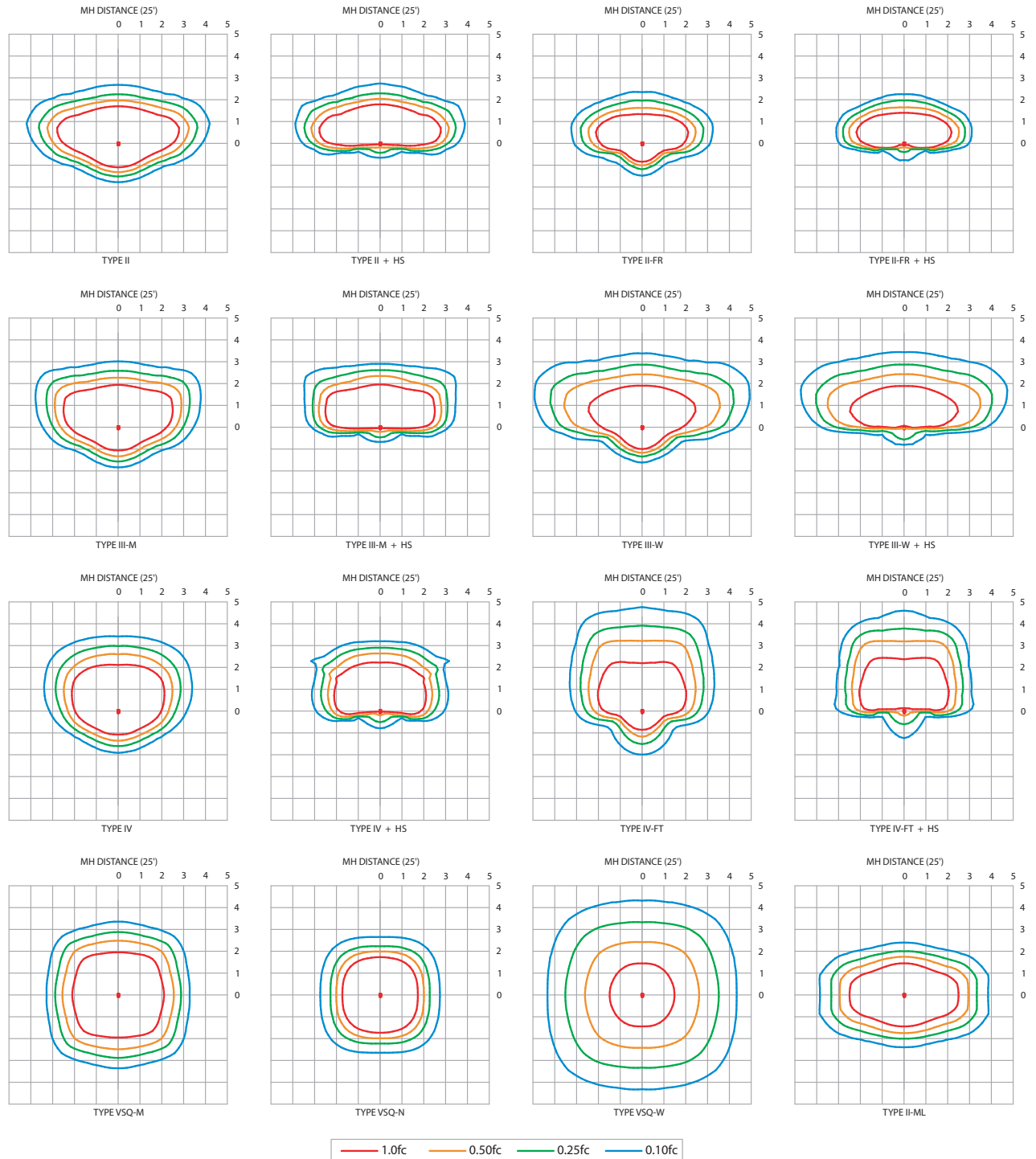
# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
24	350	28	0.24	0.14	0.10	0.08	0.06
24	525	42	0.35	0.20	0.15	0.12	0.09
24	700	56	0.47	0.27	0.20	0.16	0.12
24	875	68	0.57	0.33	0.24	0.20	0.14
24	1050	82	0.68	0.39	0.30	0.24	0.17
48	350	53	0.44	0.25	0.19	0.15	0.11
48	525	79	0.66	0.38	0.29	0.23	0.16
48	700	105	0.88	0.51	0.38	0.30	0.22
48	875	132	1.10	0.63	0.48	0.38	0.27
48	1050	160	1.33	0.77	0.58	0.46	0.33
40	350	43	0.36	0.21	0.15	0.12	0.09
40	525	65	0.54	0.31	0.23	0.19	0.13
40	700	87	0.72	0.42	0.31	0.25	0.18
40	875	108	0.90	0.52	0.39	0.31	0.23
40	1050	128	1.07	0.62	0.46	0.37	0.27
80	350	85	0.71	0.41	0.31	0.25	0.18
80	525	129	1.08	0.62	0.47	0.37	0.27
80	700	174	1.45	0.83	0.63	0.50	0.36
80	875	216	1.80	1.04	0.78	0.62	0.45
80	1050	256	2.14	1.23	0.93	0.74	0.53
120	350	130	1.08	0.63	0.47	0.37	0.27
120	525	192	1.60	0.92	0.69	0.55	0.40
120	700	260	2.17	1.25	0.94	0.75	0.54
120	875	329	2.74	1.58	1.19	0.95	0.69
120	1050	398	3.32	1.91	1.44	1.15	0.83

RZR SERIES - LED**PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS****RZRM-PLED-48LED-700mA-40K - 18' Pole Height**IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

RZR-PLED-80LED-700mA-40K - 25' Pole Height

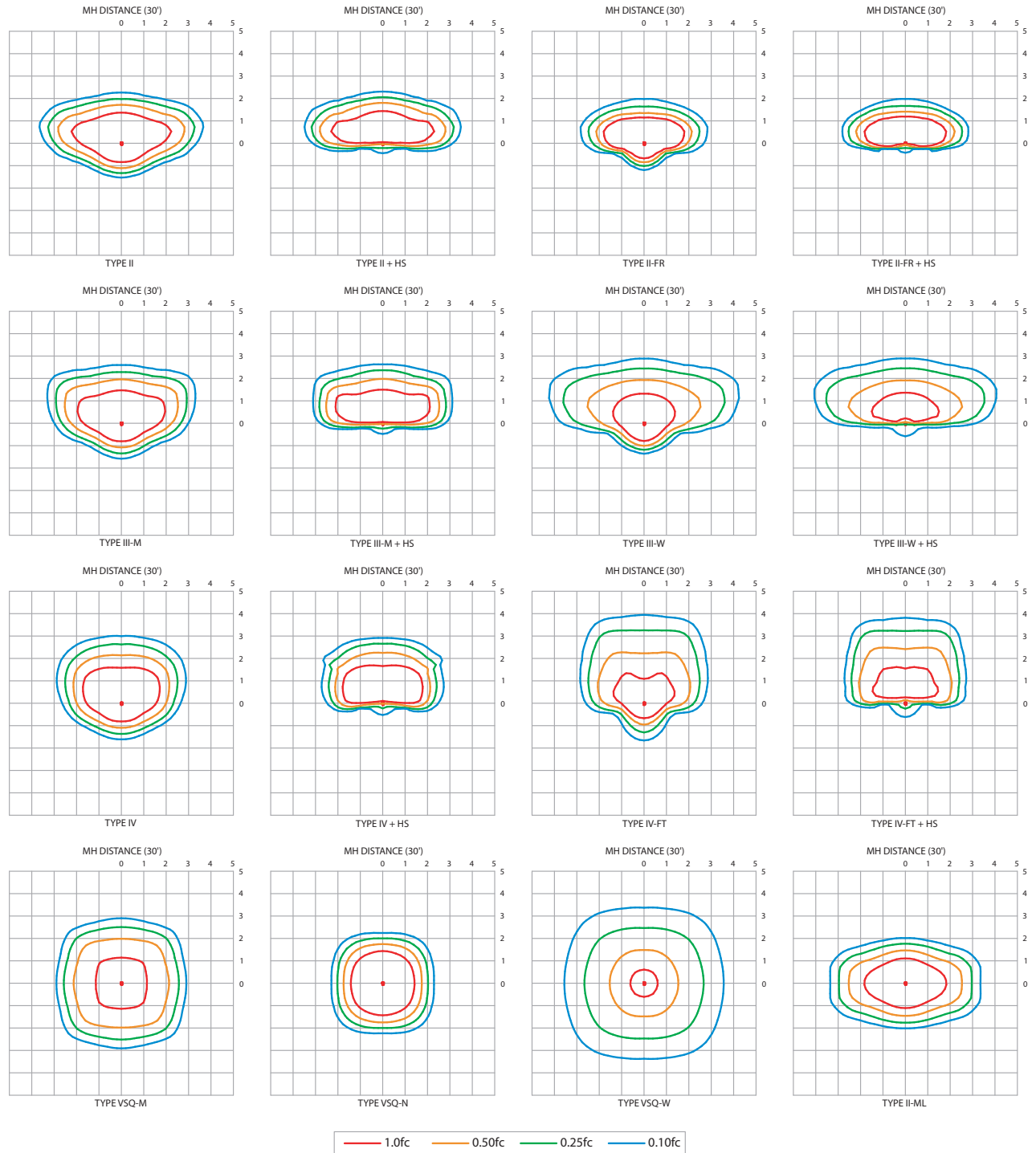


IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

RZRG-PLED-120LED-700mA-40K 30' Pole Height



IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRM-PLED)

RZR-M-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
24	350	28.2	II	3436	122	B1-U0-G1	3709	132	B1-U0-G1	3904	138	B1-U0-G1	4100	145	B1-U0-G1	20.0	1363	68	B1-U0-G1
			II-FR	3459	123	B1-U0-G1	3734	132	B1-U0-G1	3930	139	B1-U0-G1	4127	146	B1-U0-G1		1372	69	B1-U0-G0
			II-ML	3436	122	B2-U0-G2	3709	132	B2-U0-G2	3905	138	B2-U0-G2	4100	145	B2-U0-G2		1363	68	B1-U0-G1
			III-M	3496	124	B1-U0-G1	3775	134	B1-U0-G1	3973	141	B1-U0-G1	4172	148	B1-U0-G1		1387	69	B1-U0-G0
			III-W	3246	115	B1-U0-G1	3505	124	B1-U0-G1	3689	131	B1-U0-G1	3873	137	B1-U0-G1		1289	64	B0-U0-G1
			IV	3469	123	B1-U0-G1	3746	133	B1-U0-G1	3943	140	B1-U0-G1	4140	147	B1-U0-G1		1377	69	B1-U0-G1
			IV-FT	3161	112	B1-U0-G1	3412	121	B1-U0-G1	3592	127	B1-U0-G1	3771	134	B1-U0-G1		1254	63	B0-U0-G1
			VSQ-N	3627	129	B2-U0-G0	3915	139	B2-U0-G0	4121	146	B2-U0-G0	4327	153	B2-U0-G1		1439	72	B1-U0-G0
			VSQ-M	3556	126	B2-U0-G1	3838	136	B2-U0-G1	4041	143	B2-U0-G1	4242	150	B3-U0-G1		1410	71	B1-U0-G0
			VSQ-W	3471	123	B3-U0-G1	3748	133	B3-U0-G1	3945	140	B3-U0-G1	4142	147	B3-U0-G1		1377	69	B1-U0-G1
			II-HS	2513	89	B0-U0-G1	2713	96	B0-U0-G1	2856	101	B0-U0-G1	2998	106	B0-U0-G1		997	50	B0-U0-G0
			II-FR-HS	2556	91	B0-U0-G0	2759	98	B0-U0-G0	2905	103	B0-U0-G0	3050	108	B0-U0-G0		1014	51	B0-U0-G0
			III-M-HS	2543	90	B0-U0-G1	2745	97	B0-U0-G1	2889	102	B0-U0-G1	3034	108	B0-U0-G1		1008	50	B0-U0-G0
			III-W-HS	2488	88	B0-U0-G1	2686	95	B0-U0-G1	2827	100	B0-U0-G1	2969	105	B0-U0-G1		987	49	B0-U0-G1
			IV-HS	2626	93	B0-U0-G1	2835	101	B0-U0-G1	2984	106	B0-U0-G1	3133	111	B0-U0-G1		1042	52	B0-U0-G0
			IV-FT-HS	2481	88	B0-U0-G1	2679	95	B0-U0-G1	2820	100	B0-U0-G1	2961	105	B0-U0-G1		985	49	B0-U0-G1
24	525	41.5	II	4908	118	B1-U0-G1	5298	128	B1-U0-G1	5577	134	B1-U0-G1	5856	141	B2-U0-G1	31.0	1586	51	B1-U0-G1
			II-FR	4941	119	B1-U0-G1	5334	129	B1-U0-G1	5614	135	B2-U0-G1	5895	142	B2-U0-G1		1598	52	B1-U0-G0
			II-ML	4908	118	B2-U0-G2	5299	128	B2-U0-G2	5578	134	B2-U0-G2	5856	141	B3-U0-G3		1587	51	B1-U0-G1
			III-M	4994	120	B1-U0-G1	5392	130	B1-U0-G1	5675	137	B1-U0-G1	5959	144	B1-U0-G2		1615	52	B1-U0-G0
			III-W	4637	112	B1-U0-G2	5005	121	B1-U0-G2	5269	127	B1-U0-G2	5533	133	B1-U0-G2		1500	48	B0-U0-G1
			IV	4956	119	B1-U0-G1	5350	129	B1-U0-G1	5632	136	B1-U0-G1	5913	142	B1-U0-G2		1602	52	B1-U0-G1
			IV-FT	4515	109	B1-U0-G2	4875	117	B1-U0-G2	5131	124	B1-U0-G2	5388	130	B1-U0-G2		1460	47	B0-U0-G1
			VSQ-N	5180	125	B2-U0-G1	5592	135	B2-U0-G1	5886	142	B2-U0-G1	6181	149	B2-U0-G1		1676	54	B1-U0-G0
			VSQ-M	5080	122	B3-U0-G1	5484	132	B3-U0-G1	5772	139	B3-U0-G1	6061	146	B3-U0-G1		1643	53	B1-U0-G0
			VSQ-W	4959	119	B3-U0-G2	5353	129	B3-U0-G2	5635	136	B3-U0-G2	5917	143	B3-U0-G2		1603	52	B1-U0-G1
			II-HS	3589	86	B0-U0-G1	3875	93	B0-U0-G1	4079	98	B0-U0-G1	4282	103	B0-U0-G1		1161	37	B0-U0-G0
			II-FR-HS	3652	88	B0-U0-G1	3942	95	B0-U0-G1	4150	100	B0-U0-G1	4357	105	B0-U0-G1		1181	38	B0-U0-G0
			III-M-HS	3631	88	B0-U0-G1	3920	94	B0-U0-G1	4127	99	B0-U0-G1	4333	104	B0-U0-G2		1174	38	B0-U0-G0
			III-W-HS	3555	86	B0-U0-G2	3838	92	B0-U0-G2	4040	97	B0-U0-G2	4242	102	B0-U0-G2		1150	37	B0-U0-G1
			IV-HS	3751	90	B0-U0-G1	4050	98	B0-U0-G1	4263	103	B0-U0-G1	4476	108	B0-U0-G1		1213	39	B0-U0-G0
			IV-FT-HS	3545	85	B0-U0-G2	3827	92	B0-U0-G2	4029	97	B0-U0-G2	4230	102	B0-U0-G2		1146	37	B0-U0-G1
24	700	55.9	II	6275	112	B2-U0-G1	6774	121	B2-U0-G2	7130	128	B2-U0-G2	7487	134	B2-U0-G2	N/A	N/A		
			II-FR	6317	113	B2-U0-G1	6819	122	B2-U0-G1	7178	128	B2-U0-G1	7537	135	B2-U0-G1				
			II-ML	6275	112	B3-U0-G3	6774	121	B3-U0-G3	7130	128	B3-U0-G3	7487	134	B3-U0-G3				
			II-M	6385	114	B2-U0-G2	6893	123	B2-U0-G2	7256	130	B2-U0-G2	7618	136	B2-U0-G2				
			III-W	5928	106	B1-U0-G2	6399	114	B1-U0-G2	6736	121	B1-U0-G2	7073	127	B1-U0-G2				
			IV	6337	113	B2-U0-G2	6841	122	B2-U0-G2	7201	129	B2-U0-G2	7561	135	B2-U0-G2				
			IV-FT	5772	103	B1-U0-G2	6231	111	B1-U0-G2	6559	117	B1-U0-G2	6887	123	B1-U0-G2				
			VSQ-N	6624	118	B2-U0-G1	7151	128	B2-U0-G1	7527	135	B2-U0-G1	7903	141	B3-U0-G1				
			VSQ-M	6494	116	B3-U0-G1	7011	125	B3-U0-G1	7380	132	B3-U0-G1	7749	139	B3-U0-G2				
			VSQ-W	6340	113	B3-U0-G2	6844	122	B3-U0-G2	7204	129	B3-U0-G2	7565	135	B3-U0-G2				
			II-HS	4589	82	B1-U0-G1	4954	89	B1-U0-G2	5215	93	B1-U0-G2	5475	98	B1-U0-G2				
			II-FR-HS	4668	84	B0-U0-G1	5040	90	B0-U0-G1	5305	95	B0-U0-G1	5570	100	B0-U0-G1				
			II-M-HS	4643	83	B0-U0-G2	5012	90	B0-U0-G2	5276	94	B0-U0-G2	5539	99	B0-U0-G2				
			III-W-HS	4544	81	B0-U0-G2	4906	88	B0-U0-G2	5164	92	B0-U0-G2	5422	97	B0-U0-G2				
			IV-HS	4796	86	B0-U0-G2	5177	93	B0-U0-G2	5450	97	B0-U0-G2	5722	102	B0-U0-G2				
			IV-FT-HS	4532	81	B0-U0-G2	4893	88	B0-U0-G2	5150	92	B0-U0-G2	5408	97	B0-U0-G2				
24	875	67.8	II	7406	109	B2-U0-G2	7995	118	B2-U0-G2	8416	124	B2-U0-G2	8837	130	B2-U0-G2	N/A	N/A		
			II-FR	7456	110	B2-U0-G1	8049	119	B2-U0-G1	8473	125	B2-U0-G1	8896	131	B2-U0-G1				
			II-ML	7406	109	B3-U0-G3	7995	118	B3-U0-G3	8416	124	B3-U0-G3	8837	130	B3-U0-G3				
			III-M	7536	111	B2-U0-G2	8135	120	B2-U0-G2	8563	126	B2-U0-G2	8992	133	B2-U0-G2				
			III-W	6997	103	B1-U0-G2	7553	111	B1-U0-G2	7951	117	B2-U0-G2	8348	123	B2-U0-G2				
			IV	7479	110	B2-U0-G2	8073	119	B2-U0-G2	8498	125	B2-U0-G2	8923	132	B2-U0-G2				
			IV-FT	6813	100	B1-U0-G2	7355	108	B2-U0-G2	7742	114	B2-U0-G2	8129	120	B2-U0-G2				
			VSQ-N	7817	115	B2-U0-G1	8439	124	B3-U0-G1	8883	131	B3-U0-G1	9327	138	B3-U0-G1				
			VSQ-M	7665	113	B3-U0-G2	8275	122	B3-U0-G2	8711	128	B3-U0-G2	9146	135	B3-U0-G2				
			VSQ-W	7482	110	B3-U0-G2	8078	119	B3-U0-G2	8503	125	B4-U0-G2	8928	132	B4-U0-G2				
			II-HS	5417	80	B1-U0-G2	5847	86	B1-U0-G2	6155	91	B1-U0-G2	6463	95	B1-U0-G2				
			II-FR-HS	5510	81	B0-U0-G1	5948	88	B1-U0-G1	6261	92	B1-U0-G1	6574	97	B1-U0-G1				
			III-M-HS	5480	81	B0-U0-G2	5916	87	B0-U0-G2	6227	92	B0-U0-G2	6538	96	B0-U0-G2				
			III-W-HS	5363	79	B0-U0-G2	5790	85	B0-U0-G2	6095	90	B0-U0-G2	6399	94	B0-U0-G2				
			IV-HS	5660	83	B0-U0-G2	6110	90	B0-U0-G2	6432	95	B0-U0-G2	6753	100	B0-U0-G2				
			IV-FT-HS	5349	79	B0-U0-G2	5775	85	B0-U0-G2	6078	90	B0-U0-G2	6382	94	B0-U0-G2				
24	1050	82.0	II	8513	104	B2-U0-G2	9190	112	B2-U0-G2	9674	118	B2-U0-G2	10157	124	B2-U0-G2	N/A	N/A		
			II-FR	8570	105	B2-U0-G1	9252	113	B2-U0-G1	9739	119	B2-U0-G1	10225	125	B2-U0-G1				
			II-ML	8513	104	B3-U0-G3	9190	112	B3-U0-G3	9674	118	B3-U0-G3	10157	124	B3-U0-G3				
			III-M	8662	106	B2-U0-G2	9351	114	B2-U0-G2	9843	120	B2-U0-G2	10335	126	B2-U0-G2				
			III-W	8042	98	B2-U0-G2	8682	106	B2-U0-G2	9139	111	B2-U0-G3	9595	117	B2-U0-G3				
			IV	8596	105	B2-U0-G2	9280	113	B2-U0-G2	9768	119	B2-U0-G2	10256	125	B2-U0-G2				
			IV-FT	7831	95	B2-U0-G2	8454	103	B2-U0-G2	8899	109	B2-U0-G3	9344	114	B2-U0-G3				
			VSQ-N	8985	110	B3-U0-G1	9700	118	B3-U0-G1	10210	125	B3-U0-G1	10721	131	B3-U0-G1				
			VSQ-M	8811	107	B3-U0-G2	9512	116	B3-U0-G2	10012	122	B3-U0-G2	10513	128	B3-U0-G2				
			VSQ-W	8601	105	B4-U0-G2	9285	113	B4-U0-G2	9773	119	B4-U0-G3	10262	125	B4-U0-G3				
			II-HS	6226	76	B1-U0-G2	6721	82	B1-U0-G2	7075	86	B1-U0-G2	7429	91	B1-U0-G2				
			II-FR-HS	6333	77	B1-U0-G1	6837	83	B1-U0-G1	7197	88	B1-U0-G1	7557	92	B1-U0-G1				
			III-M-HS	6299	77	B0-U0-G2	6799	83	B0-U0-G2	7158	87	B0-U0-G2	7515	92	B1-U0-G2				
			III-W-HS	6165	75	B0-U0-G2	6655	81	B0-U0-G2	7005	85	B0-U0-G2	7356	90	B0-U0-G2				
			IV-HS	6506	79	B0-U0-G2	7023	86	B0-U0-G2	7393	90	B1-U0-G2	7762	95	B1-U0-G2				
			IV-FT-HS	6148	75	B0-U0-G2	6637	81	B0-U0-G2	6986	85	B1-U0-G3	7336	89	B1-U0-G3				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRM-PLD)

RZR-M-PLD																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
48	350	52.5	II	6836	130	B2-U0-G2	7380	141	B2-U0-G2	7769	148	B2-U0-G2	8157	155	B2-U0-G2	41.0	2713	66	B1-U0-G1
			II-FR	6882	131	B2-U0-G1	7430	142	B2-U0-G1	7821	149	B2-U0-G1	8212	156	B2-U0-G1		2731	67	B1-U0-G1
			II-ML	6837	130	B3-U0-G3	7380	141	B3-U0-G3	7769	148	B3-U0-G3	8157	155	B3-U0-G3		2713	66	B1-U0-G1
			II-M	6956	132	B2-U0-G2	7509	143	B2-U0-G2	7905	151	B2-U0-G2	8300	158	B2-U0-G2		2760	67	B1-U0-G1
			II-W	6459	123	B1-U0-G2	6972	133	B1-U0-G2	7339	140	B1-U0-G2	7706	147	B1-U0-G2		2563	63	B1-U0-G1
			IV	6903	131	B2-U0-G2	7453	142	B2-U0-G2	7845	149	B2-U0-G2	8237	157	B2-U0-G2		2740	67	B1-U0-G1
			IV-FT	6289	120	B1-U0-G2	6789	129	B1-U0-G2	7146	136	B1-U0-G2	7503	143	B2-U0-G2		2496	61	B1-U0-G1
			VSQ-N	7216	137	B2-U0-G1	7790	148	B2-U0-G1	8200	156	B3-U0-G1	8610	164	B3-U0-G1		2864	70	B1-U0-G0
			VSQ-M	7076	135	B3-U0-G1	7639	146	B3-U0-G2	8041	153	B3-U0-G2	8443	161	B3-U0-G2		2808	68	B2-U0-G1
			VSQ-W	6907	132	B3-U0-G2	7456	142	B3-U0-G2	7849	150	B3-U0-G2	8242	157	B3-U0-G2		2741	67	B2-U0-G1
			II-HS	5000	95	B1-U0-G2	5398	103	B1-U0-G2	5682	108	B1-U0-G2	5966	114	B1-U0-G2		1984	48	B0-U0-G1
			II-FR-HS	5087	97	B0-U0-G1	5491	105	B0-U0-G1	5780	110	B1-U0-G1	6069	116	B1-U0-G1		2018	49	B0-U0-G0
			II-M-HS	5059	96	B0-U0-G2	5461	104	B0-U0-G2	5748	109	B0-U0-G2	6036	115	B0-U0-G2		2007	49	B0-U0-G1
			II-W-HS	4952	94	B0-U0-G2	5345	102	B0-U0-G2	5627	107	B0-U0-G2	5908	113	B0-U0-G2		1965	48	B0-U0-G1
			IV-HS	5224	100	B0-U0-G2	5640	107	B0-U0-G2	5937	113	B0-U0-G2	6234	119	B0-U0-G2		2074	51	B0-U0-G1
			IV-FT-HS	4938	94	B0-U0-G2	5330	102	B0-U0-G2	5611	107	B0-U0-G2	5892	112	B0-U0-G2		1960	48	B0-U0-G1
48	525	79.0	II	9720	123	B2-U0-G2	10493	133	B2-U0-G2	11046	140	B2-U0-G2	11598	147	B2-U0-G2	62.0	3143	51	B1-U0-G1
			II-FR	9785	124	B2-U0-G1	10564	134	B2-U0-G1	11120	141	B2-U0-G1	11676	148	B3-U0-G1		3164	51	B1-U0-G1
			II-ML	9720	123	B3-U0-G3	10494	133	B3-U0-G3	11046	140	B3-U0-G3	11598	147	B3-U0-G3		3143	51	B2-U0-G2
			II-M	9891	125	B2-U0-G2	10677	135	B2-U0-G2	11240	142	B2-U0-G2	11801	149	B2-U0-G2		3198	52	B1-U0-G1
			II-W	9183	116	B2-U0-G3	9914	125	B2-U0-G3	10436	132	B2-U0-G3	10958	139	B2-U0-G3		2969	48	B1-U0-G1
			IV	9816	124	B2-U0-G2	10597	134	B2-U0-G2	11155	141	B2-U0-G2	11712	148	B2-U0-G2		3174	51	B1-U0-G1
			IV-FT	8942	113	B2-U0-G2	9653	122	B2-U0-G3	10161	129	B2-U0-G3	10669	135	B2-U0-G3		2892	47	B1-U0-G1
			VSQ-N	10260	130	B3-U0-G1	11075	140	B3-U0-G1	11659	148	B3-U0-G1	12242	155	B3-U0-G1		3317	54	B2-U0-G0
			VSQ-M	10060	127	B3-U0-G2	10861	137	B4-U0-G2	11432	145	B4-U0-G2	12004	152	B4-U0-G2		3253	52	B2-U0-G1
			VSQ-W	9821	124	B4-U0-G3	10602	134	B4-U0-G3	11160	141	B4-U0-G3	11718	148	B4-U0-G3		3175	51	B2-U0-G1
			II-HS	7110	90	B1-U0-G2	7675	97	B1-U0-G2	8079	102	B1-U0-G2	8483	107	B1-U0-G2		2298	37	B0-U0-G1
			II-FR-HS	7231	92	B1-U0-G1	7806	99	B1-U0-G1	8217	104	B1-U0-G1	8628	109	B1-U0-G1		2339	38	B0-U0-G0
			II-M-HS	7192	91	B0-U0-G2	7764	98	B1-U0-G2	8173	103	B1-U0-G2	8581	109	B1-U0-G2		2325	38	B0-U0-G1
			II-W-HS	7040	89	B0-U0-G2	7600	96	B0-U0-G2	8000	101	B1-U0-G2	8400	106	B1-U0-G2		2276	37	B0-U0-G1
			IV-HS	7429	94	B1-U0-G2	8020	102	B1-U0-G2	8442	107	B1-U0-G2	8864	112	B1-U0-G2		2402	39	B0-U0-G1
			IV-FT-HS	7020	89	B1-U0-G3	7579	96	B1-U0-G3	7978	101	B1-U0-G3	8377	106	B1-U0-G3		2270	37	B0-U0-G1
48	700	105.1	II	12226	116	B2-U0-G2	13199	126	B2-U0-G2	13894	132	B2-U0-G2	14588	139	B3-U0-G2	N/A	N/A		
			II-FR	12308	117	B3-U0-G1	13267	126	B3-U0-G1	13986	133	B3-U0-G1	14686	140	B3-U0-G1				
			II-ML	12227	116	B3-U0-G3	13200	126	B3-U0-G3	13894	132	B3-U0-G3	14589	139	B4-U0-G4				
			II-M	12440	118	B2-U0-G2	13430	128	B2-U0-G2	14137	135	B2-U0-G2	14843	141	B2-U0-G2				
			II-W	11550	110	B2-U0-G3	12468	119	B2-U0-G3	13125	125	B2-U0-G3	13781	131	B2-U0-G3				
			IV	12346	117	B2-U0-G2	13329	127	B2-U0-G2	14030	133	B2-U0-G2	14731	140	B2-U0-G2				
			IV-FT	11247	107	B2-U0-G3	12141	116	B2-U0-G3	12780	122	B2-U0-G3	13419	128	B2-U0-G3				
			VSQ-N	12904	123	B3-U0-G1	13931	133	B3-U0-G1	14663	140	B3-U0-G1	15397	146	B3-U0-G1				
			VSQ-M	12654	120	B4-U0-G2	13660	130	B4-U0-G2	14379	137	B4-U0-G2	15099	144	B4-U0-G2				
			VSQ-W	12352	118	B4-U0-G3	13334	127	B4-U0-G3	14036	134	B4-U0-G3	14738	140	B4-U0-G3				
			II-HS	8942	85	B1-U0-G2	9653	92	B1-U0-G2	10161	97	B1-U0-G2	10669	102	B1-U0-G2				
			II-FR-HS	9095	87	B1-U0-G1	9819	93	B1-U0-G1	10336	98	B1-U0-G1	10852	103	B1-U0-G1				
			II-M-HS	9045	86	B1-U0-G2	9765	93	B1-U0-G2	10279	98	B1-U0-G2	10793	103	B1-U0-G2				
			II-W-HS	8854	84	B1-U0-G2	9558	91	B1-U0-G3	10062	96	B1-U0-G3	10565	101	B1-U0-G3				
			IV-HS	9344	89	B1-U0-G2	10087	96	B1-U0-G2	10618	101	B1-U0-G2	11149	106	B1-U0-G2				
			IV-FT-HS	8831	84	B1-U0-G3	9533	91	B1-U0-G3	10035	95	B1-U0-G3	10537	100	B1-U0-G3				
48	875	131.8	II	14829	113	B3-U0-G2	16008	121	B3-U0-G3	16851	128	B3-U0-G3	17693	134	B3-U0-G3	N/A	N/A		
			II-FR	14928	113	B3-U0-G2	16115	122	B3-U0-G2	16964	129	B3-U0-G2	17812	135	B3-U0-G2				
			II-ML	14829	113	B4-U0-G4	16009	121	B4-U0-G4	16851	128	B4-U0-G4	17694	134	B4-U0-G4				
			IIIM	15088	114	B2-U0-G2	16288	124	B3-U0-G3	17145	130	B3-U0-G3	18003	137	B3-U0-G3				
			II-W	14009	106	B2-U0-G3	15123	115	B2-U0-G3	15919	121	B3-U0-G3	16715	127	B3-U0-G3				
			IV	14975	114	B2-U0-G2	16166	123	B3-U0-G2	17017	129	B3-U0-G3	17867	136	B3-U0-G3				
			IV-FT	13641	103	B2-U0-G3	14726	112	B3-U0-G3	15501	118	B3-U0-G3	16276	123	B3-U0-G3				
			VSQ-N	15652	119	B3-U0-G1	16897	128	B4-U0-G2	17786	135	B4-U0-G2	18675	142	B4-U0-G2				
			VSQ-M	15348	116	B4-U0-G2	16568	126	B4-U0-G2	17440	132	B4-U0-G2	18312	139	B4-U0-G2				
			VSQ-W	14981	114	B4-U0-G3	16173	123	B4-U0-G3	17024	129	B5-U0-G3	17876	136	B5-U0-G3				
			II-HS	10845	82	B1-U0-G2	11707	89	B1-U0-G2	12324	94	B1-U0-G2	12940	98	B1-U0-G2				
			II-FR-HS	11032	84	B1-U0-G1	11909	90	B1-U0-G2	12536	95	B1-U0-G2	13162	100	B1-U0-G2				
			IIIM-HS	10971	83	B1-U0-G2	11844	90	B1-U0-G3	12467	95	B1-U0-G3	13091	99	B1-U0-G3				
			II-W-HS	10739	81	B1-U0-G3	11594	88	B1-U0-G3	12204	93	B1-U0-G3	12814	97	B1-U0-G3				
			IV-HS	11333	86	B1-U0-G2	12234	93	B1-U0-G2	12878	98	B1-U0-G3	13522	103	B1-U0-G3				
			IV-FT-HS	10711	81	B1-U0-G3	11562	88	B1-U0-G3	12171	92	B1-U0-G3	12779	97	B1-U0-G3				
48	1050	159.6	II	17044	107	B3-U0-G3	18400	115	B3-U0-G3	19369	121	B3-U0-G3	20337	127	B3-U0-G3	N/A	N/A		
			II-FR	17159	108	B3-U0-G2	18523	116	B3-U0-G2	19498	122	B3-U0-G2	20473	128	B3-U0-G2				
			II-ML	17045	107	B4-U0-G4	18401	115	B4-U0-G4	19369	121	B4-U0-G4	20338	127	B4-U0-G4				
			II-M	17342	109	B3-U0-G3	18722	117	B3-U0-G3	19707	123	B3-U0-G3	20692	130	B3-U0-G3				
			II-W	16102	101	B3-U0-G3	17383	109	B3-U0-G3	18298	115	B3-U0-G3	19213	120	B3-U0-G4				
			IV	17212	108	B3-U0-G3	18582	116	B3-U0-G3	19559	123	B3-U0-G3	20537	129	B3-U0-G3				
			IV-FT	15680	98	B3-U0-G3	16927	106	B3-U0-G3	17818	112	B3-U0-G3	18708	117	B3-U0-G4				
			VSQ-N	17990	113	B4-U0-G2	19421	122	B4-U0-G2	20443	128	B4-U0-G2	21466	134	B4-U0-G2				
			VSQ-M	17641	111	B4-U0-G2	19044	119	B4-U0-G2	20046	126	B4-U0-G2	21048	132	B4-U0-G2				
			VSQ-W	17220	108	B5-U0-G3	18590	116	B5-U0-G3	19568	123	B5-U0-G3	20546	129	B5-U0-G3				
			II-HS	12465	78	B1-U0-G2	13457	84	B1-U0-G3	14165	89	B1-U0-G3	14873	93	B1-U0-G3				
			II-FR-HS	12680	79	B1-U0-G2	13688	86	B1-U0-G2	14409	90	B1-U0-G2	15129	95	B1-U0-G2				
			II-M-HS	12611	79	B1-U0-G3	13614	85	B1-U0-G3	14330	90	B1-U0-G3	15047	94	B1-U0-G3				
			II-W-HS	12344	77	B1-U0-G3	13326	83	B1-U0-G3	14027	88	B1-U0-G3	14728	92	B1-U0-G4				
			IV-HS	13026	82	B1-U0-G3	14062	88	B1-U0-G3	14802	93	B1-U0-G3	15542	97	B1-U0-G3				
			IV-FT-HS	12311	72	B1-U0-C3	13290	83	B1-U0-C3	13980	88	B1-U0-C4	14680	92	B1-U0-C4				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZR-PLED)

RZR-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
40	350	42.7	II	5819	136	B2-U0-G1	6281	147	B2-U0-G1	6612	155	B2-U0-G2	6943	163	B2-U0-G2	33.0	2309	70	B1-U0-G1
			II-FR	5858	137	B2-U0-G1	6324	148	B2-U0-G1	6657	156	B2-U0-G1	6990	164	B2-U0-G1		2325	70	B1-U0-G0
			II-ML	5819	136	B3-U0-G3	6282	147	B3-U0-G3	6612	155	B3-U0-G3	6943	163	B3-U0-G3		2309	70	B1-U0-G1
			III-M	5921	139	B1-U0-G2	6392	150	B2-U0-G2	6728	158	B2-U0-G2	7065	165	B2-U0-G2		2349	71	B1-U0-G1
			III-W	5497	129	B1-U0-G2	5935	139	B1-U0-G2	6247	146	B1-U0-G2	6559	154	B1-U0-G2		2182	66	B1-U0-G1
			IV	5876	138	B1-U0-G2	6344	149	B2-U0-G2	6677	156	B2-U0-G2	7011	164	B2-U0-G2		2332	71	B1-U0-G1
			IV-FT	5353	125	B1-U0-G2	5778	135	B1-U0-G2	6083	142	B1-U0-G2	6387	150	B1-U0-G2		2124	64	B1-U0-G1
			VSQ-N	6141	144	B2-U0-G1	6630	155	B2-U0-G1	6979	163	B2-U0-G1	7328	172	B2-U0-G1		2438	74	B1-U0-G0
			VSQ-M	6023	141	B3-U0-G1	6502	152	B3-U0-G1	6844	160	B3-U0-G1	7186	168	B3-U0-G1		2390	72	B2-U0-G1
			VSQ-W	5879	138	B3-U0-G2	6346	149	B3-U0-G2	6680	156	B3-U0-G2	7015	164	B3-U0-G2		2333	71	B2-U0-G1
			IIHS	4256	100	B0-U0-G1	4594	108	B1-U0-G1	4836	113	B1-U0-G2	5077	119	B1-U0-G2		1689	51	B0-U0-G0
			II-FRHS	4329	101	B0-U0-G1	4673	109	B0-U0-G1	4919	115	B0-U0-G1	5165	121	B0-U0-G1		1718	52	B0-U0-G0
			II-MHS	4305	101	B0-U0-G2	4647	109	B0-U0-G2	4892	115	B0-U0-G2	5137	120	B0-U0-G2		1708	52	B0-U0-G1
			III-WHS	4214	99	B0-U0-G2	4550	107	B0-U0-G2	4789	112	B0-U0-G2	5028	118	B0-U0-G2		1673	51	B0-U0-G1
			IV-HS	4447	104	B0-U0-G1	4801	112	B0-U0-G2	5054	118	B0-U0-G2	5306	124	B0-U0-G2		1764	53	B0-U0-G1
			IV-FT-HS	4203	98	B0-U0-G2	4537	106	B0-U0-G2	4776	112	B0-U0-G2	5015	117	B0-U0-G2		1668	51	B0-U0-G1
40	525	64.7	II	8396	130	B2-U0-G2	9064	140	B2-U0-G2	9541	147	B2-U0-G2	10017	155	B2-U0-G2	51.0	2715	53	B1-U0-G1
			II-FR	8452	131	B2-U0-G1	9125	141	B2-U0-G1	9605	148	B2-U0-G1	10085	156	B2-U0-G1		2733	54	B1-U0-G1
			II-ML	8396	130	B3-U0-G3	9064	140	B3-U0-G3	9541	147	B3-U0-G3	10018	155	B3-U0-G3		2715	53	B1-U0-G1
			III-M	8543	132	B2-U0-G2	9223	143	B2-U0-G2	9708	150	B2-U0-G2	10194	158	B2-U0-G2		2762	54	B1-U0-G1
			III-W	7932	123	B2-U0-G2	8563	132	B2-U0-G2	9013	139	B2-U0-G3	9464	146	B2-U0-G3		2565	50	B1-U0-G1
			IV	8478	131	B2-U0-G2	9152	141	B2-U0-G2	9634	149	B2-U0-G2	10116	156	B2-U0-G2		2742	54	B1-U0-G1
			IV-FT	7724	119	B2-U0-G3	8338	129	B2-U0-G3	8777	136	B2-U0-G3	9216	142	B2-U0-G3		2497	49	B1-U0-G1
			VSQ-N	8861	137	B3-U0-G1	9566	148	B3-U0-G1	10070	156	B3-U0-G1	10674	163	B3-U0-G1		2866	56	B1-U0-G0
			VSQ-M	8690	134	B3-U0-G2	9381	145	B3-U0-G2	9875	153	B3-U0-G2	10369	160	B3-U0-G2		2809	55	B2-U0-G1
			VSQ-W	8483	131	B4-U0-G2	9157	142	B4-U0-G2	9640	149	B4-U0-G3	10122	156	B4-U0-G3		2743	54	B2-U0-G1
			IIHS	6141	95	B1-U0-G2	6629	102	B1-U0-G2	6978	108	B1-U0-G2	7327	113	B1-U0-G2		1985	39	B0-U0-G1
			II-FRHS	6246	97	B1-U0-G1	6743	104	B1-U0-G1	7098	110	B1-U0-G1	7453	115	B1-U0-G1		2020	40	B0-U0-G0
			II-MHS	6212	96	B0-U0-G2	6706	104	B0-U0-G2	7060	109	B0-U0-G2	7412	115	B0-U0-G2		2009	39	B0-U0-G1
			III-WHS	6081	94	B0-U0-G2	6564	101	B0-U0-G2	6910	107	B0-U0-G2	7255	112	B0-U0-G2		1966	39	B0-U0-G1
			IV-HS	6417	99	B0-U0-G2	6927	107	B0-U0-G2	7292	113	B0-U0-G2	7656	118	B1-U0-G2		2075	41	B0-U0-G1
			IV-FT-HS	6064	94	B0-U0-G2	6546	101	B0-U0-G2	6891	107	B1-U0-G2	7235	112	B1-U0-G3		1960	38	B0-U0-G1
40	700	86.8	II	10669	123	B2-U0-G2	11518	133	B2-U0-G2	12124	140	B2-U0-G2	12730	147	B2-U0-G2	N/A	N/A		
			II-FR	10740	124	B2-U0-G1	11594	134	B3-U0-G1	12205	141	B3-U0-G1	12815	148	B3-U0-G1				
			II-ML	10669	123	B3-U0-G3	11518	133	B3-U0-G3	12124	140	B3-U0-G3	12731	147	B3-U0-G3				
			II-M	10856	125	B2-U0-G2	11719	135	B2-U0-G2	12336	142	B2-U0-G2	12953	149	B2-U0-G2				
			III-W	10079	116	B2-U0-G3	10880	125	B2-U0-G3	11453	132	B2-U0-G3	12026	139	B2-U0-G3				
			IV	10774	124	B2-U0-G2	11630	134	B2-U0-G2	12243	141	B2-U0-G2	12855	148	B2-U0-G2				
			IV-FT	9814	113	B2-U0-G3	10595	122	B2-U0-G3	11153	128	B2-U0-G3	11710	135	B2-U0-G3				
			VSQ-N	11260	130	B3-U0-G1	12156	140	B3-U0-G1	12796	147	B3-U0-G1	13435	155	B3-U0-G1				
			VSQ-M	11042	127	B4-U0-G2	11920	137	B4-U0-G2	12548	145	B4-U0-G2	13175	152	B4-U0-G2				
			VSQ-W	10778	124	B4-U0-G3	11636	134	B4-U0-G3	12248	141	B4-U0-G3	12860	148	B4-U0-G3				
			IIHS	7803	90	B1-U0-G2	8423	97	B1-U0-G2	8866	102	B1-U0-G2	9310	107	B1-U0-G2				
			II-FRHS	7937	91	B1-U0-G1	8568	99	B1-U0-G1	9019	104	B1-U0-G1	9470	109	B1-U0-G1				
			II-MHS	7893	91	B1-U0-G2	8521	98	B1-U0-G2	8970	103	B1-U0-G2	9418	109	B1-U0-G2				
			III-WHS	7726	89	B0-U0-G2	8341	96	B1-U0-G2	8780	101	B1-U0-G2	9218	106	B1-U0-G2				
			IV-HS	8153	94	B1-U0-G2	8802	101	B1-U0-G2	9265	107	B1-U0-G2	9728	112	B1-U0-G2				
			IV-FT-HS	7705	89	B1-U0-G3	8318	96	B1-U0-G3	8756	101	B1-U0-G3	9194	106	B1-U0-G3				
40	875	108.0	II	12366	114	B2-U0-G2	13349	124	B2-U0-G2	14052	130	B2-U0-G2	14754	137	B3-U0-G2	N/A	N/A		
			II-FR	12448	115	B3-U0-G1	13439	124	B3-U0-G1	14146	131	B3-U0-G1	14853	138	B3-U0-G2				
			II-ML	12366	115	B3-U0-G3	13349	124	B3-U0-G3	14052	130	B3-U0-G3	14755	137	B4-U0-G4				
			III-M	12581	116	B2-U0-G2	13582	126	B2-U0-G2	14297	132	B2-U0-G2	15012	139	B2-U0-G2				
			III-W	11682	108	B2-U0-G3	12611	117	B2-U0-G3	13275	123	B2-U0-G3	13939	129	B2-U0-G3				
			IV	12487	116	B2-U0-G2	13480	125	B2-U0-G2	14189	131	B2-U0-G2	14899	138	B2-U0-G2				
			IV-FT	11375	105	B2-U0-G3	12280	114	B2-U0-G3	12926	120	B2-U0-G3	13573	126	B2-U0-G3				
			VSQ-N	13051	121	B3-U0-G1	14089	130	B3-U0-G1	14830	137	B3-U0-G1	15572	144	B3-U0-G1				
			VSQ-M	12798	118	B4-U0-G2	13816	128	B4-U0-G2	14543	135	B4-U0-G2	15270	141	B4-U0-G2				
			VSQ-W	12492	116	B4-U0-G3	13486	125	B4-U0-G3	14196	131	B4-U0-G3	14905	138	B4-U0-G3				
			IIHS	9044	84	B1-U0-G2	9763	90	B1-U0-G2	10277	95	B1-U0-G2	10791	100	B1-U0-G2				
			II-FRHS	9199	85	B1-U0-G1	9930	92	B1-U0-G1	10453	97	B1-U0-G1	10976	102	B1-U0-G1				
			III-MHS	9149	85	B1-U0-G2	9876	91	B1-U0-G2	10396	96	B1-U0-G2	10916	101	B1-U0-G2				
			III-WHS	8955	83	B1-U0-G2	9667	90	B1-U0-G3	10176	94	B1-U0-G3	10685	99	B1-U0-G3				
			IV-HS	9450	87	B1-U0-G2	10201	94	B1-U0-G2	10738	99	B1-U0-G2	11275	104	B1-U0-G2				
			IV-FT-HS	8931	83	B1-U0-G3	9641	89	B1-U0-G3	10149	94	B1-U0-G3	10656	99	B1-U0-G3				
40	1050	128.2	II	14213	111	B2-U0-G2	15344	120	B3-U0-G2	16151	126	B3-U0-G3	16959	132	B3-U0-G3	N/A	N/A		
			II-FR	14308	112	B3-U0-G1	15446	120	B3-U0-G2	16259	127	B3-U0-G2	17072	133	B3-U0-G2				
			II-ML	14214	111	B3-U0-G3	15344	120	B4-U0-G4	16152	126	B4-U0-G4	16959	132	B4-U0-G4				
			III-M	14461	113	B2-U0-G2	15612	122	B3-U0-G2	16433	128	B3-U0-G3	17255	135	B3-U0-G3				
			III-W	13427	105	B2-U0-G3	14495	113	B2-U0-G3	15258	119	B2-U0-G3	16021	125	B3-U0-G3				
			IV	14352	112	B2-U0-G2	15494	121	B3-U0-G2	16309	127	B3-U0-G3	17125	134	B3-U0-G3				
			IV-FT	13075	102	B2-U0-G3	14115	110	B2-U0-G3	14858	116	B3-U0-G3	15601	122	B3-U0-G3				
			VSQ-N	15001	117	B3-U0-G1	16194	126	B4-U0-G1	17046	133	B4-U0-G2	17899	140	B4-U0-G2				
			VSQ-M	14710	115	B4-U0-G2	15880	124	B4-U0-G2	16716	130	B4-U0-G2	17552	137	B4-U0-G2				
			VSQ-W	14359	112	B4-U0-G3	15501	121	B4-U0-G3	16317	127	B4-U0-G3	17132	134	B5-U0-G3				
			IIHS	10395	81	B1-U0-G2	11222	88	B1-U0-G2	11813	92	B1-U0-G2	12403	97	B1-U0-G2				
			II-FRHS	10573	82	B1-U0-G1	11414	89	B1-U0-G2	12015	94	B1-U0-G2	12616	98	B1-U0-G2				
			II-MHS	10516	82	B1-U0-G2	11352	89	B1-U0-G2	11949	93	B1-U0-G3	12547	98	B1-U0-G3				
			III-WHS	10293	80	B1-U0-G3	11112	87	B1-U0-G3	11696	91	B1-U0-G3	12281	96	B1-U0-G3				
			IV-HS	10862	85	B1-U0-G2	11726	91	B1-U0-G2	12343	96	B1-U0-G2	12960	101	B1-U0-G3				
			IV-FT-HS	10366	80	B1-U0-G3	11082	86	B1-U0-G3	11665	91	B1-U0-G3	12248	96	B1-U0-G3				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZR-PLD)

RZR-PLD																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	350	85.4	II	11277	132	B2-U0-G2	12174	143	B2-U0-G2	12814	150	B2-U0-G2	13455	158	B2-U0-G2	67.0	4475	67	B1-U0-G1
			II-FR	11352	133	B3-U0-G1	12256	144	B3-U0-G1	12901	151	B3-U0-G1	13546	159	B3-U0-G1		4504	67	B1-U0-G1
			II-ML	11277	132	B3-U0-G3	12175	143	B3-U0-G3	12815	150	B3-U0-G3	13456	158	B3-U0-G3		4475	67	B2-U0-G2
			III-M	11474	134	B2-U0-G2	12387	145	B2-U0-G2	13039	153	B2-U0-G2	13691	160	B2-U0-G2		4553	68	B1-U0-G1
			III-W	10654	125	B2-U0-G3	11501	135	B2-U0-G3	12106	142	B2-U0-G3	12712	149	B2-U0-G3		4228	63	B1-U0-G2
			IV	11388	133	B2-U0-G2	12294	144	B2-U0-G2	12941	152	B2-U0-G2	13588	159	B2-U0-G2		4518	67	B1-U0-G1
			IV-FT	10374	121	B2-U0-G3	11199	131	B2-U0-G3	11788	138	B2-U0-G3	12377	145	B2-U0-G3		4117	61	B1-U0-G1
			VSQ-N	11902	139	B3-U0-G1	12849	150	B3-U0-G1	13525	158	B3-U0-G1	14202	166	B3-U0-G1		4723	70	B2-U0-G1
			VSQ-M	11671	137	B4-U0-G2	12600	148	B4-U0-G2	13263	155	B4-U0-G2	13927	163	B4-U0-G2		4631	69	B3-U0-G1
			VSQ-W	11392	133	B4-U0-G3	12299	144	B4-U0-G3	12946	152	B4-U0-G3	13593	159	B4-U0-G3		4520	67	B3-U0-G2
			IIHS	8247	97	B1-U0-G2	8903	104	B1-U0-G2	9372	110	B1-U0-G2	9840	115	B1-U0-G2		3273	49	B0-U0-G1
			II-FRHS	8389	98	B1-U0-G1	9056	106	B1-U0-G1	9533	112	B1-U0-G1	10009	117	B1-U0-G1		3329	50	B0-U0-G1
			II-MHS	8344	98	B1-U0-G2	9007	105	B1-U0-G2	9482	111	B1-U0-G2	9956	117	B1-U0-G2		3311	49	B0-U0-G1
			III-WHS	8167	96	B1-U0-G2	8817	103	B1-U0-G2	9281	109	B1-U0-G2	9745	114	B1-U0-G2		3240	48	B0-U0-G1
			IV-HS	8618	101	B1-U0-G2	9304	109	B1-U0-G2	9793	115	B1-U0-G2	10283	120	B1-U0-G2		3420	51	B0-U0-G1
			IV-FT-HS	8144	95	B1-U0-G3	8792	103	B1-U0-G3	9255	108	B1-U0-G3	9718	114	B1-U0-G3		3232	48	B0-U0-G2
80	525	129.4	II	16239	125	B3-U0-G3	17531	135	B3-U0-G3	18454	143	B3-U0-G3	19377	150	B3-U0-G3	101.0	5251	52	B1-U0-G1
			II-FR	16348	126	B3-U0-G2	17648	136	B3-U0-G2	18577	144	B3-U0-G2	19506	151	B3-U0-G2		5286	52	B1-U0-G1
			II-ML	16240	126	B4-U0-G4	17532	135	B4-U0-G4	18454	143	B4-U0-G4	19377	150	B4-U0-G4		5251	52	B2-U0-G2
			III-M	16523	128	B3-U0-G3	17837	138	B3-U0-G3	18776	145	B3-U0-G3	19715	152	B3-U0-G3		5343	53	B1-U0-G2
			III-W	15341	119	B2-U0-G3	16562	128	B3-U0-G3	17433	135	B3-U0-G3	18305	141	B3-U0-G3		4961	49	B1-U0-G2
			IV	16398	127	B3-U0-G3	17703	137	B3-U0-G3	18635	144	B3-U0-G3	19566	151	B3-U0-G3		5302	52	B1-U0-G1
			IV-FT	14938	115	B3-U0-G3	16127	125	B3-U0-G4	16976	131	B3-U0-G4	17824	138	B3-U0-G4		4830	48	B1-U0-G2
			VSQ-N	17140	132	B4-U0-G2	18504	143	B4-U0-G2	19477	151	B4-U0-G2	20451	158	B4-U0-G2		5542	55	B2-U0-G1
			VSQ-M	16807	130	B4-U0-G2	18144	140	B4-U0-G2	19099	148	B4-U0-G2	20053	155	B4-U0-G2		5434	54	B3-U0-G1
			VSQ-W	16406	127	B4-U0-G3	17711	137	B5-U0-G3	18643	144	B5-U0-G3	19575	151	B5-U0-G3		5304	53	B3-U0-G2
			IIHS	11877	92	B1-U0-G2	12821	99	B1-U0-G2	13496	104	B1-U0-G3	14171	110	B1-U0-G3		3841	38	B0-U0-G1
			II-FRHS	12081	93	B1-U0-G2	13042	101	B1-U0-G2	13728	106	B1-U0-G2	14414	111	B1-U0-G2		3906	39	B0-U0-G1
			II-MHS	12016	93	B1-U0-G3	12971	100	B1-U0-G3	13654	106	B1-U0-G3	14337	111	B1-U0-G3		3885	38	B0-U0-G1
			III-WHS	11760	91	B1-U0-G3	12696	98	B1-U0-G3	13364	103	B1-U0-G3	14032	108	B1-U0-G3		3803	38	B0-U0-G2
			IV-HS	12411	96	B1-U0-G2	13398	104	B1-U0-G3	14103	109	B1-U0-G3	14808	114	B1-U0-G3		4013	40	B0-U0-G1
			IV-FT-HS	11729	91	B1-U0-G3	12662	98	B1-U0-G3	13328	103	B1-U0-G3	13995	108	B1-U0-G4		3792	38	B0-U0-G2
80	700	173.6	II	20595	119	B3-U0-G3	22232	128	B3-U0-G3	23403	135	B3-U0-G3	24573	142	B3-U0-G3	N/A	N/A		
			II-FR	20732	119	B3-U0-G2	22381	129	B3-U0-G2	23559	136	B3-U0-G2	24736	142	B3-U0-G2				
			II-ML	20595	119	B4-U0-G4	22233	128	B4-U0-G4	23403	135	B4-U0-G4	24573	142	B4-U0-G4				
			III-M	20954	121	B3-U0-G3	22621	130	B3-U0-G3	23812	137	B3-U0-G3	25003	144	B3-U0-G4				
			III-W	19456	112	B3-U0-G4	21003	121	B3-U0-G4	22109	127	B3-U0-G4	23214	134	B3-U0-G4				
			IV	20797	120	B3-U0-G3	22451	129	B3-U0-G3	23633	136	B3-U0-G3	24814	143	B3-U0-G4				
			IV-FT	18945	109	B3-U0-G4	20452	118	B3-U0-G4	21528	124	B3-U0-G4	22604	130	B3-U0-G4				
			VSQ-N	21737	125	B4-U0-G2	23466	135	B4-U0-G2	24701	142	B4-U0-G2	25936	149	B4-U0-G2				
			VSQ-M	21314	123	B5-U0-G3	23010	133	B5-U0-G3	24221	140	B5-U0-G3	25432	146	B5-U0-G3				
			VSQ-W	20806	120	B5-U0-G3	22461	129	B5-U0-G4	23643	136	B5-U0-G4	24825	143	B5-U0-G4				
			IIHS	15062	87	B1-U0-G3	16260	94	B1-U0-G3	17115	99	B1-U0-G3	17971	104	B1-U0-G3				
			II-FRHS	15321	88	B1-U0-G2	16539	95	B1-U0-G2	17410	100	B1-U0-G2	18280	105	B1-U0-G2				
			II-MHS	15238	88	B1-U0-G3	16450	95	B1-U0-G3	17315	100	B1-U0-G3	18181	105	B1-U0-G4				
			III-WHS	14915	86	B1-U0-G4	16101	93	B1-U0-G4	16948	98	B1-U0-G4	17796	103	B1-U0-G4				
			IV-HS	15739	91	B1-U0-G3	16991	98	B1-U0-G3	17885	103	B1-U0-G3	18780	108	B1-U0-G3				
			IV-FT-HS	14874	86	B1-U0-G4	16058	92	B1-U0-G4	16903	97	B1-U0-G4	17748	102	B1-U0-G4				
80	875	215.9	II	23798	110	B3-U0-G3	25691	119	B3-U0-G3	27043	125	B3-U0-G4	28395	132	B3-U0-G4	N/A	N/A		
			II-FR	23957	111	B3-U0-G2	25862	120	B3-U0-G2	27223	126	B3-U0-G2	28585	132	B4-U0-G2				
			II-ML	23799	110	B4-U0-G4	25692	119	B4-U0-G4	27044	125	B4-U0-G4	28396	132	B4-U0-G4				
			III-M	24214	112	B3-U0-G4	26140	121	B3-U0-G4	27516	127	B3-U0-G4	28892	134	B3-U0-G4				
			III-W	22482	104	B3-U0-G4	24270	112	B3-U0-G4	25548	118	B3-U0-G4	26825	124	B3-U0-G4				
			IV	24032	111	B3-U0-G3	25943	120	B3-U0-G4	27309	126	B3-U0-G4	28674	133	B3-U0-G4				
			IV-FT	21892	101	B3-U0-G4	23634	109	B3-U0-G5	24877	115	B3-U0-G5	26121	121	B3-U0-G5				
			VSQ-N	25118	116	B4-U0-G2	27116	126	B5-U0-G2	28543	132	B5-U0-G2	29970	139	B5-U0-G2				
			VSQ-M	24630	114	B5-U0-G3	26589	123	B5-U0-G3	27988	130	B5-U0-G3	29387	136	B5-U0-G3				
			VSQ-W	24042	111	B5-U0-G4	25954	120	B5-U0-G4	27321	127	B5-U0-G4	28686	133	B5-U0-G4				
			IIHS	17405	81	B1-U0-G3	18789	87	B1-U0-G3	19778	92	B1-U0-G4	20766	96	B2-U0-G4				
			II-FRHS	17704	82	B1-U0-G2	19112	89	B1-U0-G2	20118	93	B1-U0-G2	21124	98	B1-U0-G2				
			II-MHS	17608	82	B1-U0-G4	19008	88	B1-U0-G4	20009	93	B1-U0-G4	21009	97	B1-U0-G4				
			III-WHS	17234	80	B1-U0-G4	18605	86	B1-U0-G4	19584	91	B1-U0-G4	20564	95	B1-U0-G4				
			IV-HS	18187	84	B1-U0-G3	19634	91	B1-U0-G4	20667	96	B1-U0-G4	21701	101	B1-U0-G4				
			IV-FT-HS	17188	80	B1-U0-G4	18555	86	B1-U0-G4	19532	90	B1-U0-G4	20509	95	B1-U0-G4				
80	1050	256.4	II	27354	107	B3-U0-G4	29530	115	B4-U0-G4	31084	121	B4-U0-G4	32638	127	B4-U0-G4	N/A	N/A		
			II-FR	27536	107	B3-U0-G2	29727	116	B4-U0-G2	31291	122	B4-U0-G2	32856	128	B4-U0-G2				
			II-ML	27355	107	B4-U0-G4	29531	115	B5-U0-G5	31085	121	B5-U0-G5	32639	127	B5-U0-G5				
			III-M	27832	109	B3-U0-G4	30046	117	B3-U0-G4	31627	123	B4-U0-G4	33209	130	B4-U0-G4				
			III-W	25841	101	B3-U0-G4	27897	109	B3-U0-G4	29365	115	B3-U0-G5	30834	120	B3-U0-G5				
			IV	27622	108	B3-U0-G4	29820	116	B3-U0-G4	31389	122	B4-U0-G4	32959	129	B4-U0-G4				
			IV-FT	25163	98	B3-U0-G5	27165	106	B3-U0-G5	28595	112	B3-U0-G5	30024	117	B3-U0-G5				
			VSQ-N	28871	113	B5-U0-G2	31168	122	B5-U0-G2	32808	128	B5-U0-G2	34448	134	B5-U0-G2				
			VSQ-M	28310	110	B5-U0-G3	30561	119	B5-U0-G3	32170	125	B5-U0-G4	33779	132	B5-U0-G4				
			VSQ-W	27634	108	B5-U0-G4	29833	116	B5-U0-G4	31403	122	B5-U0-G5	32973	129	B5-U0-G5				
			IIHS	20005	78	B1-U0-G4	21596	84	B2-U0-G4	22733	89	B2-U0-G4	23870	93	B2-U0-G4				
			II-FRHS	20349	79	B1-U0-G2	21968	86	B1-U0-G2	23124	90	B1-U0-G2	24280	95	B1-U0-G2				
			II-MHS	20239	79	B1-U0-G4	21848	85	B1-U0-G4	22998	90	B1-U0-G4	24148	94	B1-U0-G4				
			III-WHS	19809	77	B1-U0-G4	21385	83	B1-U0-G4	22511	88	B1-U0-G4	23636	92	B1-U0-G5				
			IV-HS	20905	82	B1-U0-G4	22568	88	B1-U0-G4	23756	93	B1-U0-G4	24943	97	B1-U0-G4				
			IV-FT-HS	19756	77	B1-U0-G4	21398	83	B1-U0-G4	22451	88	B1-U0-G5	23573	92	B1-U0-G5				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRG-PLD)

RZR-G-PLD																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	350	87.0	II	11409	131	B2-U0-G2	12317	142	B2-U0-G2	12965	149	B2-U0-G2	13613	156	B2-U0-G2	67.0	4528	68	B1-U0-G1
			II-FR	11485	132	B3-U0-G1	12398	143	B3-U0-G1	13051	150	B3-U0-G1	13703	158	B3-U0-G1		4558	68	B1-U0-G1
			II-ML	11409	131	B3-U0-G3	12317	142	B3-U0-G3	12965	149	B3-U0-G3	13613	156	B3-U0-G3		4528	68	B2-U0-G2
			IIHM	11608	133	B2-U0-G2	12531	144	B2-U0-G2	13191	152	B2-U0-G2	13850	159	B2-U0-G2		4553	68	B1-U0-G1
			III-W	10778	124	B2-U0-G3	11635	134	B2-U0-G3	12248	141	B2-U0-G3	12860	148	B2-U0-G3		4276	64	B1-U0-G2
			IV	11520	132	B2-U0-G2	12437	143	B2-U0-G2	13091	150	B2-U0-G2	13746	158	B2-U0-G2		4572	68	B1-U0-G1
			IV-FT	10494	121	B2-U0-G3	11330	130	B2-U0-G3	11926	137	B2-U0-G3	12522	144	B2-U0-G3		4165	62	B1-U0-G1
			VSQ-N	12041	138	B3-U0-G1	12999	149	B3-U0-G1	13683	157	B3-U0-G1	14367	165	B3-U0-G1		4779	71	B2-U0-G1
			VSQ-M	11808	136	B4-U0-G2	12747	147	B4-U0-G2	13418	154	B4-U0-G2	14089	162	B4-U0-G2		4686	70	B3-U0-G1
			VSQ-W	11526	132	B4-U0-G3	12443	143	B4-U0-G3	13097	151	B4-U0-G3	13752	158	B4-U0-G3		4574	68	B3-U0-G2
			IIHS	8464	97	B1-U0-G2	9138	105	B1-U0-G2	9618	111	B1-U0-G2	10099	116	B1-U0-G2		3359	50	B0-U0-G1
			II-FRHS	8609	99	B1-U0-G1	9294	107	B1-U0-G1	9783	112	B1-U0-G1	10274	118	B1-U0-G1		3417	51	B0-U0-G1
			IIHMHS	8563	98	B1-U0-G2	9244	106	B1-U0-G2	9731	112	B1-U0-G2	10217	117	B1-U0-G2		3398	51	B0-U0-G1
			III-WHS	8382	96	B1-U0-G2	9048	104	B1-U0-G2	9525	109	B1-U0-G3	10001	115	B1-U0-G3		3326	50	B0-U0-G1
			IV-HS	8845	102	B1-U0-G2	9548	110	B1-U0-G2	10051	116	B1-U0-G2	10553	121	B1-U0-G2		3510	52	B0-U0-G1
			IV-FT-HS	8359	96	B1-U0-G3	9024	104	B1-U0-G3	9499	109	B1-U0-G3	9974	115	B1-U0-G3		3317	50	B0-U0-G2
80	525	129.0	II	16394	127	B3-U0-G3	17698	137	B3-U0-G3	18629	144	B3-U0-G3	19560	152	B3-U0-G3	101.0	5301	52	B1-U0-G1
			II-FR	16503	128	B3-U0-G2	17816	138	B3-U0-G2	18753	145	B3-U0-G2	19691	153	B3-U0-G2		5336	53	B1-U0-G1
			II-ML	16394	127	B4-U0-G4	17698	137	B4-U0-G4	18630	144	B4-U0-G4	19561	152	B4-U0-G4		5302	52	B2-U0-G2
			IIHM	16680	129	B3-U0-G3	14740	114	B2-U0-G2	18955	147	B3-U0-G3	19902	154	B3-U0-G3		5343	53	B1-U0-G2
			III-W	15488	120	B2-U0-G3	16720	130	B3-U0-G3	17600	136	B3-U0-G3	18479	143	B3-U0-G4		5008	50	B1-U0-G2
			IV	16555	128	B3-U0-G3	17871	139	B3-U0-G3	18812	146	B3-U0-G3	19753	153	B3-U0-G3		5353	53	B1-U0-G1
			IV-FT	15081	117	B3-U0-G3	16280	126	B3-U0-G3	17137	133	B3-U0-G3	17994	139	B3-U0-G3		4877	48	B1-U0-G2
			VSQ-N	17303	134	B4-U0-G2	18679	145	B4-U0-G2	19663	152	B4-U0-G2	20646	160	B4-U0-G2		5595	55	B2-U0-G1
			VSQ-M	16967	132	B4-U0-G2	18317	142	B4-U0-G2	19281	149	B4-U0-G2	20245	157	B4-U0-G2		5486	54	B3-U0-G1
			VSQ-W	16562	128	B4-U0-G3	17880	139	B5-U0-G3	18821	146	B5-U0-G3	19762	153	B5-U0-G3		5355	53	B3-U0-G2
			IIHS	12089	94	B1-U0-G2	13052	101	B1-U0-G3	13738	106	B1-U0-G3	14425	112	B1-U0-G3		3909	39	B0-U0-G1
			II-FRHS	12298	95	B1-U0-G2	13276	103	B1-U0-G2	13975	108	B1-U0-G2	14674	114	B1-U0-G2		3977	39	B0-U0-G1
			IIHMHS	12231	95	B1-U0-G3	13204	102	B1-U0-G3	13899	108	B1-U0-G3	14594	113	B1-U0-G3		3954	39	B0-U0-G1
			III-WHS	11971	93	B1-U0-G3	12924	100	B1-U0-G3	13604	105	B1-U0-G3	14284	111	B1-U0-G3		3871	38	B0-U0-G2
			IV-HS	12633	98	B1-U0-G2	13638	106	B1-U0-G3	14356	111	B1-U0-G3	15074	117	B1-U0-G3		4085	40	B0-U0-G1
			IV-FT-HS	11940	93	B1-U0-G3	12889	100	B1-U0-G3	13568	105	B1-U0-G3	14246	110	B1-U0-G4		3861	38	B0-U0-G2
80	700	174.0	II	20914	120	B3-U0-G3	22578	130	B3-U0-G3	23766	137	B3-U0-G3	24955	143	B3-U0-G3	N/A	N/A		
			II-FR	21054	121	B3-U0-G2	22729	131	B3-U0-G2	23924	137	B3-U0-G2	25121	144	B3-U0-G2				
			II-ML	20915	120	B4-U0-G4	22579	130	B4-U0-G4	23767	137	B4-U0-G4	24955	143	B4-U0-G4				
			IIHM	21280	122	B3-U0-G3	22972	132	B3-U0-G3	24182	139	B3-U0-G4	25391	146	B3-U0-G4				
			III-W	19759	114	B3-U0-G4	21330	123	B3-U0-G4	22453	129	B3-U0-G4	23575	135	B3-U0-G4				
			IV	21120	121	B3-U0-G3	22800	131	B3-U0-G3	24000	138	B3-U0-G3	25200	145	B3-U0-G4				
			IV-FT	19239	111	B3-U0-G4	20770	119	B3-U0-G4	21862	126	B3-U0-G4	22956	132	B3-U0-G4				
			VSQ-N	22074	127	B4-U0-G2	23831	137	B4-U0-G2	25084	144	B4-U0-G2	26339	151	B4-U0-G2				
			VSQ-M	21646	124	B5-U0-G3	23367	134	B5-U0-G3	24598	141	B5-U0-G3	25827	148	B5-U0-G3				
			VSQ-W	21129	121	B5-U0-G4	22810	131	B5-U0-G4	24010	138	B5-U0-G4	25212	145	B5-U0-G4				
			IIHS	15363	88	B1-U0-G3	16586	95	B1-U0-G3	17458	100	B1-U0-G3	18332	105	B1-U0-G3				
			II-FRHS	15628	90	B1-U0-G2	16872	97	B1-U0-G2	17759	102	B1-U0-G2	18647	107	B1-U0-G2				
			IIHMHS	15542	89	B1-U0-G3	16778	96	B1-U0-G3	17662	102	B1-U0-G4	18545	107	B1-U0-G4				
			III-WHS	15213	87	B1-U0-G4	16423	94	B1-U0-G4	17288	99	B1-U0-G4	18152	104	B1-U0-G4				
			IV-HS	16055	92	B1-U0-G3	17331	100	B1-U0-G3	18244	105	B1-U0-G3	19155	110	B1-U0-G3				
			IV-FT-HS	15172	87	B1-U0-G4	16380	94	B1-U0-G4	17242	99	B1-U0-G4	18104	104	B1-U0-G4				
80	875	219.7	II	25063	114	B3-U0-G3	27057	123	B3-U0-G4	28481	130	B3-U0-G4	29905	136	B4-U0-G4	N/A	N/A		
			II-FR	25230	115	B3-U0-G2	27237	124	B3-U0-G2	28670	130	B4-U0-G2	30104	137	B4-U0-G2				
			II-ML	25064	114	B4-U0-G4	27057	123	B4-U0-G4	28481	130	B4-U0-G4	29906	136	B5-U0-G5				
			IIHM	25501	116	B3-U0-G4	27529	125	B3-U0-G4	28978	132	B3-U0-G4	30427	138	B3-U0-G4				
			III-W	23677	108	B3-U0-G4	25560	116	B3-U0-G4	26906	122	B3-U0-G4	28251	129	B3-U0-G4				
			IV	25309	115	B3-U0-G4	27322	124	B3-U0-G4	28760	131	B3-U0-G4	30198	137	B3-U0-G4				
			IV-FT	23056	105	B3-U0-G4	24889	113	B3-U0-G4	26200	119	B3-U0-G4	27509	125	B3-U0-G4				
			VSQ-N	26453	120	B4-U0-G2	28557	130	B5-U0-G2	30060	137	B5-U0-G2	31563	144	B5-U0-G2				
			VSQ-M	25939	118	B5-U0-G3	28002	127	B5-U0-G3	29476	134	B5-U0-G3	30950	141	B5-U0-G3				
			VSQ-W	25320	115	B5-U0-G4	27335	124	B5-U0-G4	28773	131	B5-U0-G4	30212	138	B5-U0-G4				
			IIHS	18330	83	B1-U0-G3	19788	90	B1-U0-G4	20830	95	B2-U0-G4	21871	100	B2-U0-G4				
			II-FRHS	18645	85	B1-U0-G2	20128	92	B1-U0-G2	21188	96	B1-U0-G2	22247	101	B1-U0-G2				
			IIHMHS	18543	84	B1-U0-G4	20018	91	B1-U0-G4	21072	96	B1-U0-G4	22125	101	B1-U0-G4				
			III-WHS	18151	83	B1-U0-G4	19594	89	B1-U0-G4	20626	94	B1-U0-G4	21657	99	B1-U0-G4				
			IV-HS	19154	87	B1-U0-G3	20677	94	B1-U0-G4	21766	99	B1-U0-G4	22854	104	B1-U0-G4				
			IV-FT-HS	18102	82	B1-U0-G4	19541	89	B1-U0-G4	20571	94	B1-U0-G4	21599	98	B1-U0-G4				
80	1050	266.0	II	28808	108	B4-U0-G4	31099	117	B4-U0-G4	32736	123	B4-U0-G4	34373	129	B4-U0-G4	N/A	N/A		
			II-FR	29000	109	B4-U0-G2	31306	118	B4-U0-G2	32954	124	B4-U0-G2	34602	130	B4-U0-G2				
			II-ML	28809	108	B5-U0-G5	31100	117	B5-U0-G5	32737	123	B5-U0-G5	34374	129	B5-U0-G5				
			IIHM	29311	110	B3-U0-G4	31643	119	B4-U0-G4	33308	125	B4-U0-G4	34974	131	B4-U0-G4				
			III-W	27215	102	B3-U0-G4	29380	110	B3-U0-G5	30926	116	B3-U0-G5	32473	122	B3-U0-G5				
			IV	29091	109	B3-U0-G4	31404	118	B4-U0-G4	33058	124	B4-U0-G4	34710	130	B4-U0-G4				
			IV-FT	26501	100	B3-U0-G4	28608	108	B3-U0-G4	30114	113	B3-U0-G5	31620	119	B3-U0-G5				
			VSQ-N	30405	114	B5-U0-G2	32824	123	B5-U0-G2	34551	130	B5-U0-G2	36279	136	B5-U0-G2				
			VSQ-M	29815	112	B5-U0-G3	32186	121	B5-U0-G4	33880	127	B5-U0-G4	35575	134	B5-U0-G4				
			VSQ-W	29104	109	B5-U0-G4	31419	118	B5-U0-G5	33073	124	B5-U0-G5	34726	131	B5-U0-G5				
			IIHS	21069	79	B2-U0-G4	22745	86	B2-U0-G4	23942	90	B2-U0-G4	25139	95	B2-U0-G4				
			II-FRHS	21432	81	B1-U0-G2	23136	87	B1-U0-G2	24354	92	B1-U0-G2	25571	96	B2-U0-G2				
			IIHMHS	21314	80	B1-U0-G4	23009	87	B1-U0-G4	24220	91	B1-U0-G4	25431	96	B1-U0-G4				
			III-WHS	20862	78	B1-U0-G4	22521	85	B1-U0-G4	23708	89	B1-U0-G5	24893	94	B1-U0-G5				
			IV-HS	22016	83	B1-U0-G4	23766	89	B1-U0-G4	25018	94	B1-U0-G4	26268	99	B1-U0-G4				
			IV-FT-HS	20807	78	B1-U0-C4	22461	84	B1-U0-C5	23644	89	B1-U0-C5	24836	93	B1-U0-C5				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRG-PLED)

RZR-G-PLED																										
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)									
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING							
120	350	130.0	II	16889	130	B3-U0-G3	18233	140	B3-U0-G3	19192	148	B3-U0-G3	20152	155	B3-U0-G3	100.0	6702	67	B2-U0-G2							
			II-FR	17001	131	B3-U0-G2	18354	141	B3-U0-G2	19320	149	B3-U0-G2	20286	156	B3-U0-G2		6747	67	B2-U0-G1							
			II-ML	16890	130	B4-U0-G4	18233	140	B4-U0-G4	19193	148	B4-U0-G4	20152	155	B4-U0-G4		6703	67	B3-U0-G3							
			III-M	17184	132	B3-U0-G3	18552	143	B3-U0-G3	19527	150	B3-U0-G3	20504	158	B3-U0-G3		6818	68	B2-U0-G2							
			III-W	15956	123	B3-U0-G3	17224	132	B3-U0-G3	18131	139	B3-U0-G3	19037	146	B3-U0-G4		6331	63	B1-U0-G2							
			IV	17055	131	B3-U0-G3	18411	142	B3-U0-G3	19381	149	B3-U0-G3	20349	157	B3-U0-G3		6768	68	B2-U0-G2							
			IV-FT	15537	120	B3-U0-G3	16772	129	B3-U0-G3	17655	136	B3-U0-G3	18538	143	B3-U0-G4		6165	62	B1-U0-G2							
			VSQ-N	17825	137	B4-U0-G2	19243	148	B4-U0-G2	20256	156	B4-U0-G2	21269	164	B4-U0-G2		7073	71	B2-U0-G1							
			VSQ-M	17480	134	B4-U0-G2	18870	145	B4-U0-G2	19863	153	B4-U0-G2	20857	160	B4-U0-G2		6936	69	B3-U0-G1							
			VSQ-W	17062	131	B5-U0-G3	18420	142	B5-U0-G3	19389	149	B5-U0-G3	20358	157	B5-U0-G3		6771	68	B3-U0-G2							
			IIHS	12352	95	B1-U0-G2	13334	103	B1-U0-G3	14036	108	B1-U0-G3	14738	113	B1-U0-G3		4901	49	B1-U0-G2							
			II-FRHS	12564	97	B1-U0-G2	13564	104	B1-U0-G2	14277	110	B1-U0-G2	14992	115	B1-U0-G2		4986	50	B0-U0-G1							
			III-MHS	12496	96	B1-U0-G3	13490	104	B1-U0-G3	14199	109	B1-U0-G3	14910	115	B1-U0-G3		4959	50	B0-U0-G2							
			III-WHS	12231	94	B1-U0-G3	13204	102	B1-U0-G3	13899	107	B1-U0-G3	14594	112	B1-U0-G3		4853	49	B0-U0-G2							
			IV-HS	12907	99	B1-U0-G3	13934	107	B1-U0-G3	14667	113	B1-U0-G3	15400	118	B1-U0-G3		5122	51	B0-U0-G2							
			IV-FT-HS	12198	94	B1-U0-G3	13168	101	B1-U0-G3	13862	107	B1-U0-G4	14555	112	B1-U0-G4		4840	48	B0-U0-G2							
			120	525	192.0	II	24123	126	B3-U0-G3	26042	136	B3-U0-G3	27413	143	B3-U0-G4		28783	150	B4-U0-G4	152.0	7800	51	B2-U0-G2			
						II-FR	24284	126	B3-U0-G2	26216	137	B3-U0-G2	27596	144	B3-U0-G2		28975	151	B4-U0-G2		7853	52	B2-U0-G1			
						II-ML	24124	126	B4-U0-G4	26042	136	B4-U0-G4	27414	143	B4-U0-G4		28784	150	B5-U0-G5		7800	51	B3-U0-G3			
						III-M	24545	128	B3-U0-G4	26498	138	B3-U0-G4	27892	145	B3-U0-G4		29287	153	B3-U0-G4		7937	52	B2-U0-G2			
III-W	22789	119				B3-U0-G4	24603	128	B3-U0-G4	25897	135	B3-U0-G4	27192	142	B3-U0-G4	7368	48	B1-U0-G2								
IV	24360	127				B3-U0-G4	26298	137	B3-U0-G4	27682	144	B3-U0-G4	29066	151	B3-U0-G4	7876	52	B2-U0-G2								
IV-FT	22191	116				B3-U0-G4	23956	125	B3-U0-G4	25217	131	B3-U0-G4	26478	138	B3-U0-G4	7176	47	B1-U0-G2								
VSQ-N	25461	133				B4-U0-G2	27486	143	B5-U0-G2	28933	151	B5-U0-G2	30379	158	B5-U0-G2	8233	54	B3-U0-G1								
VSQ-M	24967	130				B5-U0-G3	26952	140	B5-U0-G3	28371	148	B5-U0-G3	29789	155	B5-U0-G3	8073	53	B3-U0-G2								
VSQ-W	24371	127				B5-U0-G4	26309	137	B5-U0-G4	27695	144	B5-U0-G4	29079	151	B5-U0-G4	7881	52	B3-U0-G2								
IIHS	17642	92				B1-U0-G3	19046	99	B1-U0-G3	20048	104	B1-U0-G4	21050	110	B2-U0-G4	5704	38	B1-U0-G2								
II-FRHS	17946	93				B1-U0-G2	19373	101	B1-U0-G2	20393	106	B1-U0-G2	21413	112	B1-U0-G2	5803	38	B1-U0-G1								
IIIM-HS	17848	93				B1-U0-G4	19268	100	B1-U0-G4	20282	106	B1-U0-G4	21296	111	B1-U0-G4	5772	38	B0-U0-G2								
IIIM-WHS	17470	91				B1-U0-G4	18860	98	B1-U0-G4	19852	103	B1-U0-G4	20844	109	B1-U0-G4	5649	37	B0-U0-G2								
IV-HS	18435	96				B1-U0-G3	19902	104	B1-U0-G4	20949	109	B1-U0-G4	21997	115	B1-U0-G4	5961	39	B0-U0-G2								
IV-FT-HS	17423	91				B1-U0-G4	18809	98	B1-U0-G4	19799	103	B1-U0-G4	20789	108	B1-U0-G4	5633	37	B0-U0-G2								
120	700	260.0				II	30656	118	B4-U0-G4	33094	127	B4-U0-G4	34836	134	B4-U0-G4	36578	141	B4-U0-G4	N/A		N/A					
						II-FR	30860	119	B4-U0-G2	33315	128	B4-U0-G2	35068	135	B4-U0-G2	36822	142	B4-U0-G2								
						II-ML	30657	118	B5-U0-G5	33095	127	B5-U0-G5	34837	134	B5-U0-G5	36579	141	B5-U0-G5								
						II-M	31191	120	B4-U0-G4	33673	130	B4-U0-G4	35445	136	B4-U0-G4	37217	143	B4-U0-G4								
			III-W	28960	111	B3-U0-G4	31265	120	B3-U0-G5	32909	127	B3-U0-G5	34555	133	B3-U0-G5											
			IV	30956	119	B4-U0-G4	33418	129	B4-U0-G4	35177	135	B4-U0-G4	36936	142	B4-U0-G4											
			IV-FT	28200	108	B3-U0-G4	30444	117	B3-U0-G5	32046	123	B3-U0-G5	33648	129	B3-U0-G5											
			VSQ-N	32356	124	B5-U0-G2	34929	134	B5-U0-G2	36768	141	B5-U0-G2	38606	148	B5-U0-G2											
			VSQ-M	31727	122	B5-U0-G4	34250	132	B5-U0-G4	36054	139	B5-U0-G4	37856	146	B5-U0-G4											
			VSQ-W	30971	119	B5-U0-G4	33434	129	B5-U0-G5	35194	135	B5-U0-G5	36953	142	B5-U0-G5											
			IIHS	22420	86	B2-U0-G4	24203	93	B2-U0-G4	25478	98	B2-U0-G4	26751	103	B2-U0-G4											
			II-FRHS	22806	88	B1-U0-G2	24619	95	B1-U0-G2	25916	100	B2-U0-G2	27212	105	B2-U0-G2											
			IIIM-HS	22682	87	B1-U0-G4	24485	94	B1-U0-G4	25774	99	B1-U0-G4	27063	104	B1-U0-G4											
			III-WHS	22201	85	B1-U0-G4	23967	92	B1-U0-G5	25228	97	B1-U0-G5	26489	102	B1-U0-G5											
			IV-HS	23428	90	B1-U0-G4	25291	97	B1-U0-G4	26622	102	B1-U0-G4	27953	108	B1-U0-G4											
			IV-FT-HS	22141	85	B1-U0-G5	23902	92	B1-U0-G5	25160	97	B1-U0-G5	26418	102	B1-U0-G5											
			120	875	329.0	II	36574	111	B4-U0-G4	39483	120	B4-U0-G4	41561	126	B4-U0-G4	43639	133	B4-U0-G5		N/A				N/A		
						II-FR	36818	112	B4-U0-G2	39746	121	B4-U0-G2	41838	127	B4-U0-G3	43930	134	B4-U0-G3								
						II-ML	36575	111	B5-U0-G5	39485	120	B5-U0-G5	41562	126	B5-U0-G5	43640	133	B5-U0-G5								
						III-M	37213	113	B4-U0-G4	40174	122	B4-U0-G5	42288	129	B4-U0-G5	44402	135	B4-U0-G5								
III-W	34552	105				B3-U0-G5	37300	113	B3-U0-G5	39263	119	B4-U0-G5	41226	125	B4-U0-G5											
IV	36932	112				B4-U0-G4	39870	121	B4-U0-G5	41969	128	B4-U0-G5	44067	134	B4-U0-G5											
IV-FT	33644	102				B3-U0-G5	36321	110	B3-U0-G5	38232	116	B4-U0-G5	40144	122	B4-U0-G5											
VSQ-N	38602	117				B5-U0-G2	41673	127	B5-U0-G2	43866	133	B5-U0-G2	46060	140	B5-U0-G2											
VSQ-M	37852	115				B5-U0-G4	40863	124	B5-U0-G4	43014	131	B5-U0-G4	45165	137	B5-U0-G4											
VSQ-W	36950	112				B5-U0-G5	39888	121	B5-U0-G5	41988	128	B5-U0-G5	44088	134	B5-U0-G5											
IIHS	26748	81				B2-U0-G4	28876	88	B2-U0-G4	30395	92	B2-U0-G4	31916	97	B2-U0-G5											
II-FRHS	27209	83				B2-U0-G2	29373	89	B2-U0-G2	30919	94	B2-U0-G2	32465	99	B2-U0-G3											
IIIM-HS	27060	82				B1-U0-G4	29213	89	B1-U0-G5	30750	93	B1-U0-G5	32287	98	B1-U0-G5											
III-WHS	26487	81				B1-U0-G5	28593	87	B1-U0-G5	30098	91	B1-U0-G5	31603	96	B1-U0-G5											
IV-HS	27951	85				B1-U0-G4	30174	92	B1-U0-G4	31762	97	B1-U0-G5	33350	101	B1-U0-G5											
IV-FT-HS	26416	80				B1-U0-G5	28517	87	B1-U0-G5	30018	91	B1-U0-G5	31519	96	B2-U0-G5											
120	1050	398.0				II	42039	106	B4-U0-G5	45383	114	B4-U0-G5	47771	120	B4-U0-G5	50160	126	B5-U0-G5	N/A		N/A					
						II-FR	42319	106	B4-U0-G3	45685	115	B4-U0-G3	48089	121	B4-U0-G3	50494	127	B4-U0-G3								
						II-ML	42040	106	B5-U0-G5	45384	114	B5-U0-G5	47773	120	B5-U0-G5	50161	126	B5-U0-G5								
						II-M	42774	107	B4-U0-G5	46177	116	B4-U0-G5	48606	122	B4-U0-G5	51037	128	B4-U0-G5								
			III-W	39714	100	B4-U0-G5	42873	108	B4-U0-G5	45130	113	B4-U0-G5	47387	119	B4-U0-G5											
			IV	42451	107	B4-U0-G5	45828	115	B4-U0-G5	48240	121	B4-U0-G5	50652	127	B4-U0-G5											
			IV-FT	38671	97	B4-U0-G5	41748	105	B4-U0-G5	43945	110	B4-U0-G5	46143	116	B4-U0-G5											
			VSQ-N	44370	111	B5-U0-G2	47899	120	B5-U0-G3	50421	127	B5-U0-G3	52942	133	B5-U0-G3											
			VSQ-M	43508	109	B5-U0-G4	46969	118	B5-U0-G4	49441	124	B5-U0-G4	51914	130	B5-U0-G5											
			VSQ-W	42471	107	B5-U0-G5	45849	115	B5-U0-G5	48262	121	B5-U0-G5	50676	127	B5-U0-G5											
			IIHS	30745	77	B2-U0-G4	33191	83	B2-U0-G5	34938	88	B2-U0-G5	36685	92	B2-U0-G5											
			II-FRHS	31274	79	B2-U0-G3	33761	85	B2-U0-G3	35539	89	B2-U0-G3	37315	93	B2-U0-G3											
			IIIM-HS	31104	78	B1-U0-G5	33578	84	B1-U0-G5	35345	89	B2-U0-G5	37112	93	B2-U0-G5											
			II-WHS	30444	76	B1-U0-G5	32866	83	B1-U0-G5	34596	87	B1-U0-G5	36325	91	B2-U0-G5											
			IV-HS	32127	81	B1-U0-G5	34683	87	B2-U0-G5	36508	92	B2-U0-G5	38333	96	B2-U0-G5											
			IV-FT-HS	30363	74	B1-U0-C5	32727	82	B2-U0-C5	34504	87	B2-U0-C5	36390	91	B2-U0-C5											

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:

R240840606T4-D1-COLOR-PG13

Type:**B POLE****Notes:**

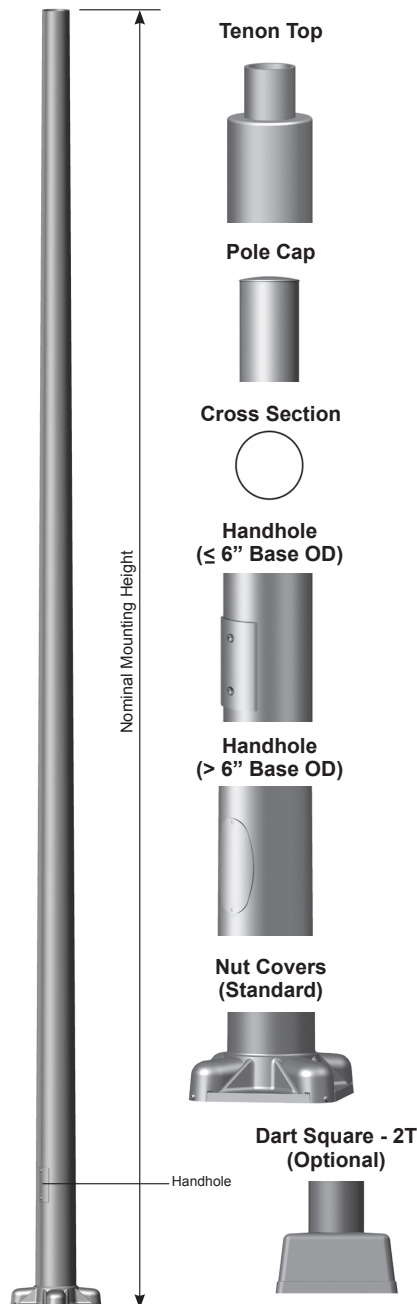
DIV-NJ23-159484



18' to 25' ROUND TAPERED ALUMINUM 4-Bolt Anchor Base

Job Name: _____		Client Name: _____	
Job Location - City: _____	State: _____	Created By: _____	Date: _____
Product: _____	Quote: _____	Customer Approval: _____	Date: _____

SPECIFICATIONS



Pole - The pole shaft is spun from seamless alloy aluminum.

Pole Top - A pole top tenon is provided for top mount luminaire and/or bracket. A removable pole cap is available for poles receiving drilling patterns for side-mount luminaire arm assemblies.

Handhole - A covered handhole with hardware and grounding provision are provided.

Base Cover - Optional Dart Square-2T cast and decorative base covers available as special order.

Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Finish - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

Poles - Aluminum

RTA / 4-Bolt Anchor Base

18' to 25'

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLED-III-W-120LED-525MA-
 40K-VOLTAGE-1-FINISH-PG13

Notes:

Type:**C1**

DIV-NJ23-159484

AREA & ROADWAY LIGHTING

RAZAR SERIES - LED

LOW PROFILE AREA LUMINAIRE

Optical Housing

Heavy cast, low copper aluminum assembly (A356 alloy, <.2% copper) minimum wall thickness .188". LED Module mounting area is machined to within a 0.002" surface flatness variance for maximum surface contact and thermal conductivity from the LED modules to the radiating fins. Passive radiating fins above the LED Optics provide superior thermal management and long LED life. The optical and electrical compartments are integrated with the support arm to create one assembly. Cast and hinged driver compartment cover allows access to the drivers and wiring.

Electrical Housing w/ Integrated Arm

Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly. Minimum wall thickness is .188". Cast and hinged driver assembly cover is integrated with wiring compartment cover.

PLED™ Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED Driver(s)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50, 60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED Emitters

High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

Amber LED's

TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish

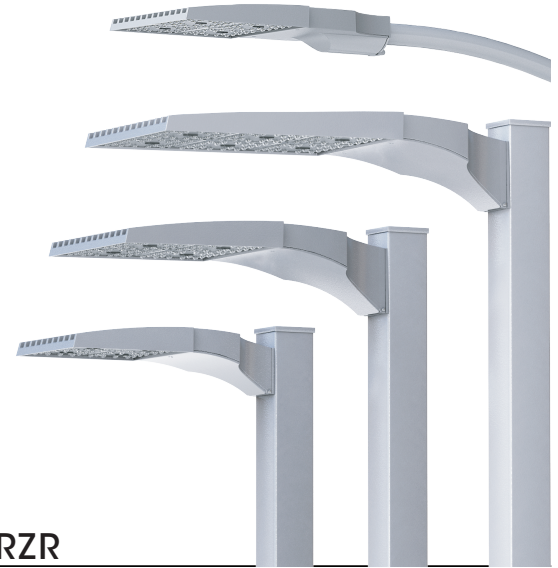
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

Mast Arm Fitter/Electrical Housing

Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +1.5 or +3° up from the horizontal. All hardware is stainless steel.

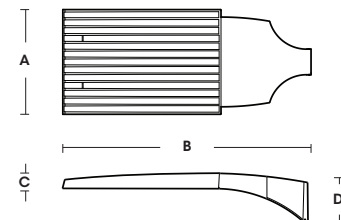
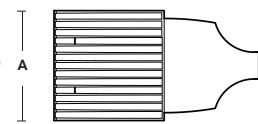
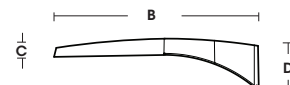
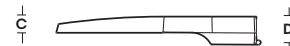
PROJECT NAME:

PROJECT TYPE:

**RZR**

(MODELS: RZRM, RZR, RZR-G & RZR-MAF*)

PATENT PENDING

RZR-GRZR, RZRM & RZR-MAF*
(Top View)**RZR & RZRM****RZR-MAF***

FIXTURE	A	B	C	D
RZR-G	15" 381mm	36.5" 927mm	3" 76mm	7" 187mm
RZR	14.75" 375mm	28.25" 718mm	2.75" 70mm	6.5" 165mm
RZRM	11.5" 292mm	22" 559mm	2.5" 64mm	5.25" 133mm
RZR-MAF	15" 381mm	28.25" 724mm	2.5" 64mm	4" 102mm



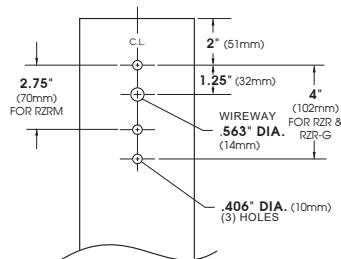
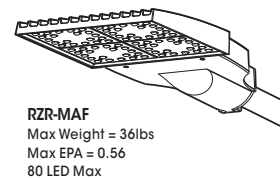
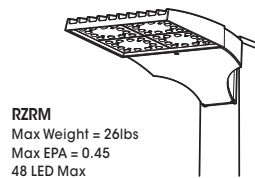
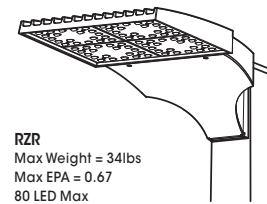
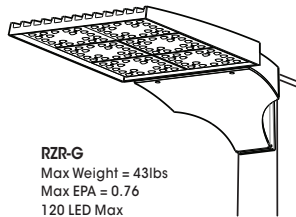
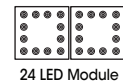
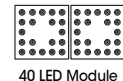
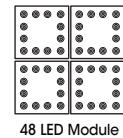
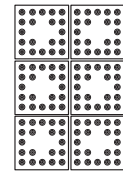
2022158

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLD-III-W-120LED-525MA-
 40K-VOLTAGE-1-FINISH-PG13

Notes:

Type:**C1**

DIV-NJ23-159484

RZR SERIES - LED**SPECIFICATIONS****POLE DRILLING TEMPLATE****EPA & WEIGHT****PLED™ MODULES****ORDERING INFORMATION**

Spec/Order Example: RZR/PLED-IV/80LED-700mA/CW/277/RAL-8019-S

Luminaire	Optics	LED Mode		Voltage	Mounting	Finish	Options
				ADVISE		ADVISE	
Luminaire	Optics	LED		Voltage	Mounting	Finish	Options
	PLED™ Distribution Type	# of LEDs	Drive Current	Color Temp - CCT	Arm Mount	Standard Textured Finish	☐ Internal House Side Shield inc. LED Count (Example: HS-PLED/48) HS-PLD
☒ RZR-G	☐ Type II PLED-II 	☒ 120LED	☐ 1050mA¹	☐ 27K (2700K)	☒ 1 	☐ Black RAL-9005-T	☐ External Glare Shield 4 Sided EGS4
	☐ Type II Front Row PLED-II-FR 	☐ 80LED	☐ 875mA¹	☐ 30K (3000K)	☐ 2-180 	☐ White RAL-9003-T	☐ External Glare Shield 3 Sided Rear Wedge EGS3W
	☐ Type III Median Illuminator PLED-II-MIL 		☐ 700mA¹	☒ 40K (4000K)	☐ 2-90 	☐ Grey RAL-7004-T	☐ Round Pole Adapter RPA
☐ RZR	☐ Type III Med. PLED-III 	RZR/RZR-MAF	☒ 525mA	☐ 50K (5000K)	☐ 3-90 	☐ Dark Bronze RAL-8019-T	☐ Twist Lock Receptable Only TPR
☒ RZR-MAF	☐ Type III Med. PLED-III 	☐ 80LED	☐ 350mA	☐ TRA True Amber²	☐ 3-90 	☐ Green RAL-6005-T	☐ 7-Pin Twist Lock Receptable Only TPR7
	☒ Type III Wide PLED-III-W 	☐ 40LED		Consult Factory for Other LED Color, CCT, & CRI Options	☐ 3-120 	☐ Premium Finishes	☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) HLSW
	☐ Type IV PLED-IV 				☐ 4-90 		☐ Twist Lock Photocell + Voltage (Example: TPC347V) TPC+V
	☐ Type IV PLED-IV-FT 	RZRM	NOTES: 1 - 700mA and 1050mA not for use with TRA LED's 2 - Available in 350mA & 525mA drive currents only		Wall Mount	☐ Rust	☐ Photo Cell + Voltage (Example: PC120V) PC+V
	☐ Type V Narrow PLED-VSQ-N 	☐ 48LED			☐ WM 	☐ Patina Copper PC	☐ Single Fuse (120V, 277V) SF
	☐ Type V Med. PLED-V-SQ-M 	☐ 24LED			WM - Wall Mount provided with mounting bracket and cover.	For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)	☐ Double Fuse (208V, 240V) DF
	☐ Type V Wide PLED-V-SQ-W 		Consult Factory for Other Drive Currents			Consult factor for custom colors	☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75lc) MS-F311

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLED-III-W-120LED-525MA-
 40K-VOLTAGE-1-FINISH-PG13

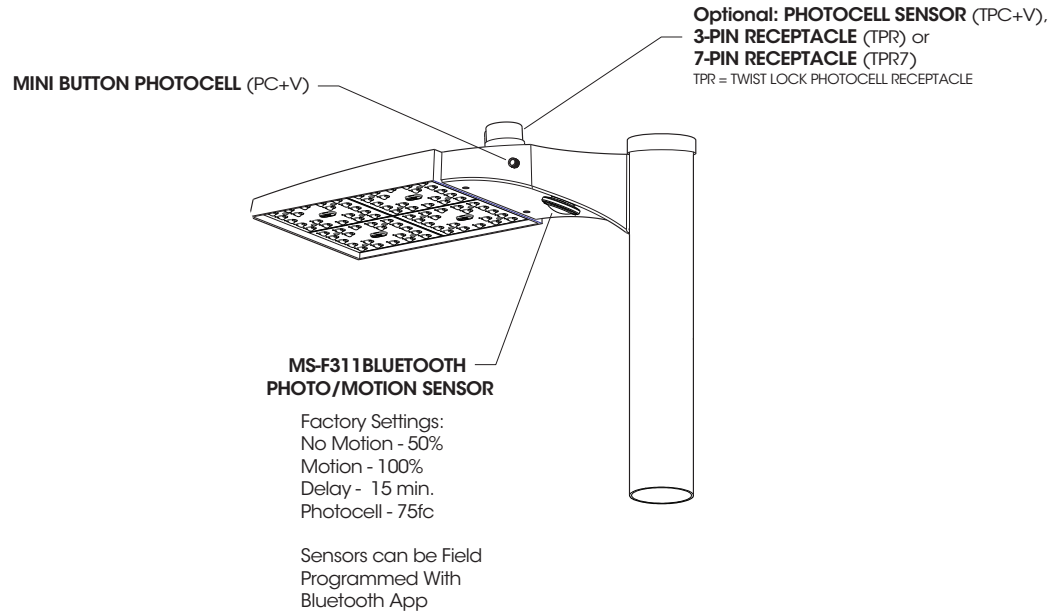
Notes:

Type:**C1**

DIV-NJ23-159484

RZR SERIES - LED

OPTIONS



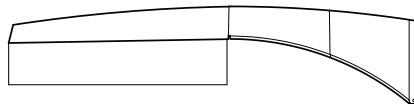
High Low Dimming For Switches (HLSW)

The HLSW is a Small Electronic Switch which Provides High Low Dimming Control Through the LED Driver's 0-10V Control. Switching is Done by Adding a Secondary AC Switched Hot Trigger Line to the HLSW in Addition to the Normal AC Power Line. When the Secondary Trigger Line is Powered, the Fixture will go to 100% Dimming. With no Power to the Trigger, the Fixture will operate at 50% or 25% Dimming. Switches for the Trigger Line can be a Normal AC Switch/Breaker or Timed Switch/Breaker.

Wireless and Other Fixture Controls

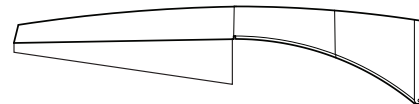
Contact Factory for Wireless and Other Fixture Controls and Recommendations. Most Controls Can be Integrated and Factory Installed.

EXTERNAL GLARE SHIELDS



EGS4 - 4 Sided Shield

Minimum Cutoff = 12°
 Average Cutoff = 23°



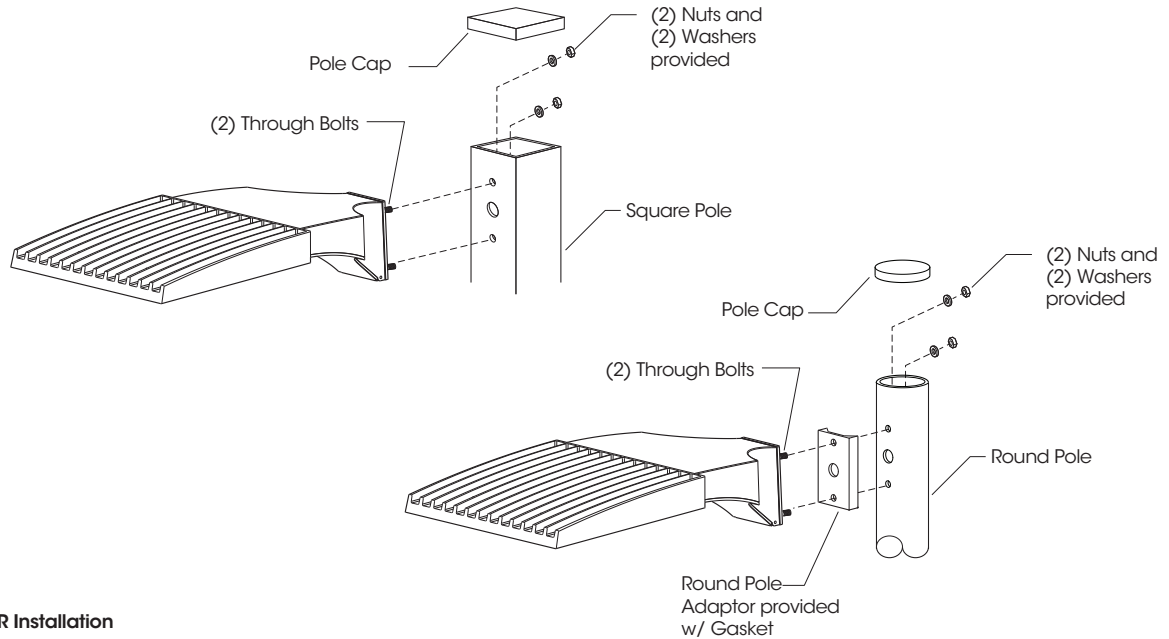
EGS3W - 3 Sided Shield

Minimum Rear Cutoff = 12°
 Average Rear Cutoff = 23°
 Minimum Side Cutoff = 4°
 Average Side Cutoff = 16°

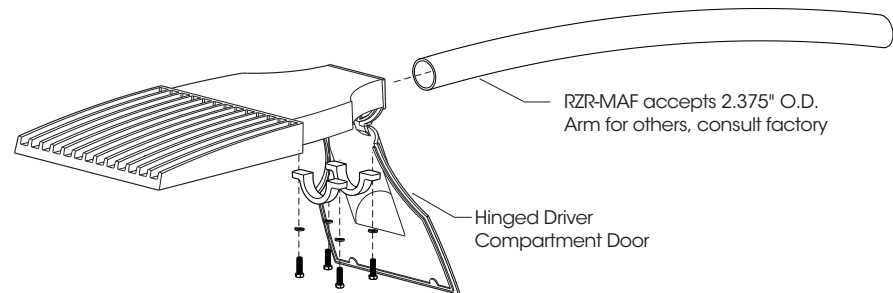
Glare Shields are rotatable on RZR and RZRM. Consult factory for custom applications.

RZR SERIES - LED

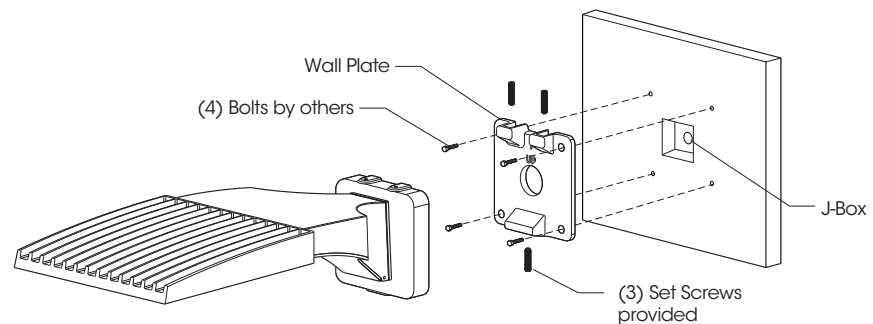
INSTALLATION DETAIL



RZR Installation



RZR-MAF Installation



RZR-WM Installation

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLD-III-W-120LED-525MA-
 40K-VOLTAGE-1-FINISH-PG13

Notes:

Type:**C1**

DIV-NJ23-159484

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000 (10x Test Time Calculated)	L94	0.94x
100,000 (Theoretical Calculated)	L92	0.92x
150,000 (Theoretical Calculated)	L89	0.89x

 Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)
 TM-21 6x Test Time Dictates that L94 > 60,000 Hours.

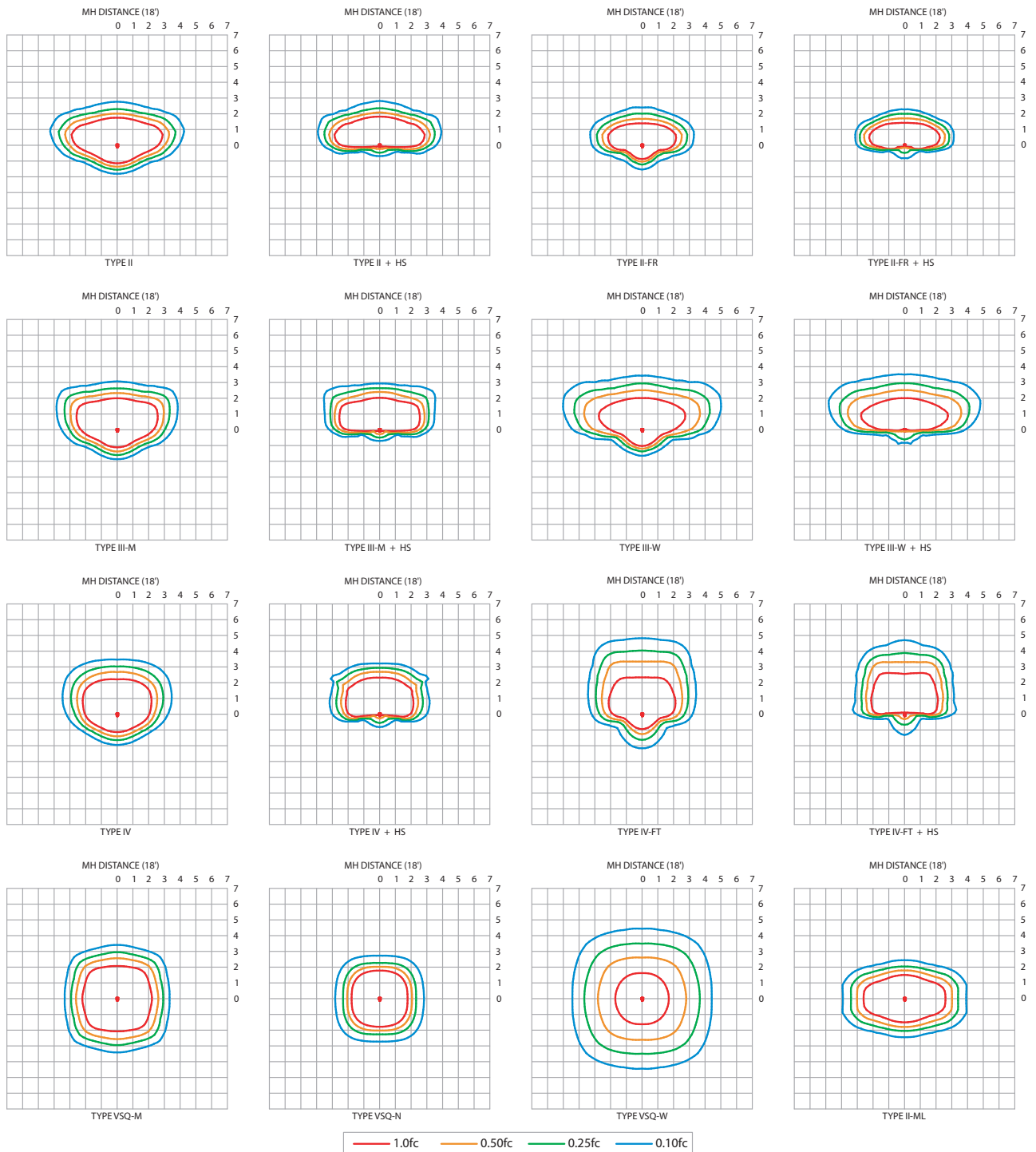
ELECTRICAL DATA GUIDE - AMPERAGE CHARTS

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
24	350	28	0.24	0.14	0.10	0.08	0.06
24	525	42	0.35	0.20	0.15	0.12	0.09
24	700	56	0.47	0.27	0.20	0.16	0.12
24	875	68	0.57	0.33	0.24	0.20	0.14
24	1050	82	0.68	0.39	0.30	0.24	0.17
48	350	53	0.44	0.25	0.19	0.15	0.11
48	525	79	0.66	0.38	0.29	0.23	0.16
48	700	105	0.88	0.51	0.38	0.30	0.22
48	875	132	1.10	0.63	0.48	0.38	0.27
48	1050	160	1.33	0.77	0.58	0.46	0.33
40	350	43	0.36	0.21	0.15	0.12	0.09
40	525	65	0.54	0.31	0.23	0.19	0.13
40	700	87	0.72	0.42	0.31	0.25	0.18
40	875	108	0.90	0.52	0.39	0.31	0.23
40	1050	128	1.07	0.62	0.46	0.37	0.27
80	350	85	0.71	0.41	0.31	0.25	0.18
80	525	129	1.08	0.62	0.47	0.37	0.27
80	700	174	1.45	0.83	0.63	0.50	0.36
80	875	216	1.80	1.04	0.78	0.62	0.45
80	1050	256	2.14	1.23	0.93	0.74	0.53
120	350	130	1.08	0.63	0.47	0.37	0.27
120	525	192	1.60	0.92	0.69	0.55	0.40
120	700	260	2.17	1.25	0.94	0.75	0.54
120	875	329	2.74	1.58	1.19	0.95	0.69
120	1050	398	3.32	1.91	1.44	1.15	0.83

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

RZRM-PLED-48LED-700mA-40K - 18' Pole Height



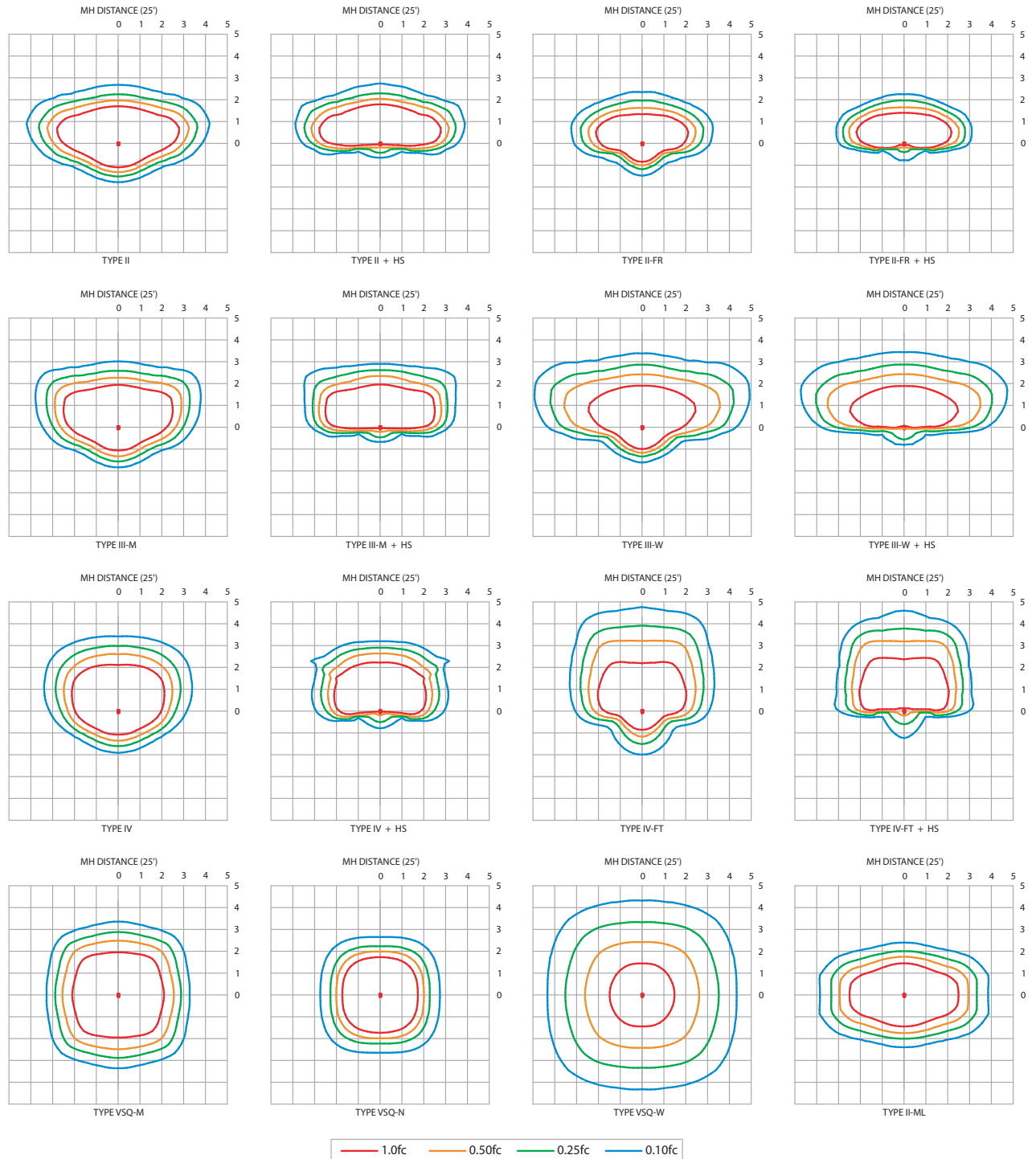
IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

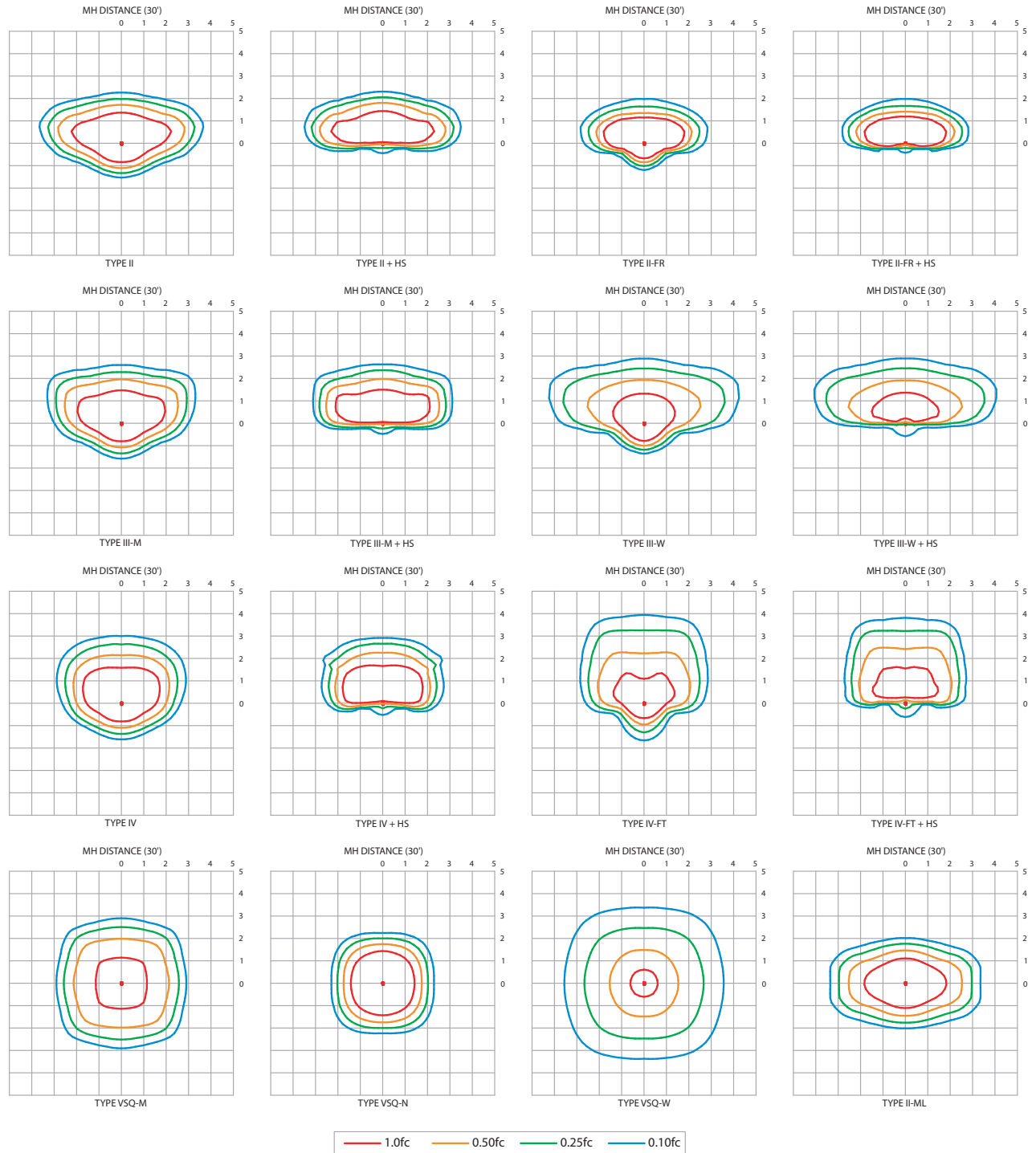
U.S. Pole Company Inc.
 An Employee Owned Company

660 West Avenue O, Palmdale, CA 93551
 Phone (661) 233-2000 www.usaltg.com

MADE IN THE
USA

U.S. ARCHITECTURAL
LIGHTING

RZR SERIES - LED**PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS****RZR-PLED-80LED-700mA-40K - 25' Pole Height**
 IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

RZR SERIES - LED**PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS****RZRG-PLED-120LED-700mA-40K 30' Pole Height**
 IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRM-PLD)

RZR-M-PLD																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
48	350	52.5	II	6836	130	B2-U0-G2	7380	141	B2-U0-G2	7769	148	B2-U0-G2	8157	155	B2-U0-G2	41.0	2713	66	B1-U0-G1
			II-FR	6882	131	B2-U0-G1	7430	142	B2-U0-G1	7821	149	B2-U0-G1	8212	156	B2-U0-G1		2731	67	B1-U0-G1
			II-ML	6837	130	B3-U0-G3	7380	141	B3-U0-G3	7769	148	B3-U0-G3	8157	155	B3-U0-G3		2713	66	B1-U0-G1
			III-M	6956	132	B2-U0-G2	7509	143	B2-U0-G2	7905	151	B2-U0-G2	8300	158	B2-U0-G2		2760	67	B1-U0-G1
			III-W	6459	123	B1-U0-G2	6972	133	B1-U0-G2	7339	140	B1-U0-G2	7706	147	B1-U0-G2		2563	63	B1-U0-G1
			IV	6903	131	B2-U0-G2	7453	142	B2-U0-G2	7845	149	B2-U0-G2	8237	157	B2-U0-G2		2740	67	B1-U0-G1
			IV-FT	6289	120	B1-U0-G2	6789	129	B1-U0-G2	7146	136	B1-U0-G2	7503	143	B2-U0-G2		2496	61	B1-U0-G1
			VSQ-N	7216	137	B2-U0-G1	7790	148	B2-U0-G1	8200	156	B3-U0-G1	8610	164	B3-U0-G1		2864	70	B1-U0-G0
			VSQ-M	7076	135	B3-U0-G1	7639	146	B3-U0-G2	8041	153	B3-U0-G2	8443	161	B3-U0-G2		2808	68	B2-U0-G1
			VSQ-W	6907	132	B3-U0-G2	7456	142	B3-U0-G2	7849	150	B3-U0-G2	8242	157	B3-U0-G2		2741	67	B2-U0-G1
			IIHS	5000	95	B1-U0-G2	5398	103	B1-U0-G2	5682	108	B1-U0-G2	5966	114	B1-U0-G2		1984	48	B0-U0-G1
			II-FRHS	5087	97	B0-U0-G1	5491	105	B0-U0-G1	5780	110	B1-U0-G1	6069	116	B1-U0-G1		2018	49	B0-U0-G0
			II-MHS	5059	96	B0-U0-G2	5461	104	B0-U0-G2	5748	109	B0-U0-G2	6036	115	B0-U0-G2		2007	49	B0-U0-G1
			III-WHS	4952	94	B0-U0-G2	5345	102	B0-U0-G2	5627	107	B0-U0-G2	5908	113	B0-U0-G2		1965	48	B0-U0-G1
			IV-HS	5224	100	B0-U0-G2	5640	107	B0-U0-G2	5937	113	B0-U0-G2	6234	119	B0-U0-G2		2074	51	B0-U0-G1
			IV-FT-HS	4938	94	B0-U0-G2	5330	102	B0-U0-G2	5611	107	B0-U0-G2	5892	112	B0-U0-G2		1960	48	B0-U0-G1
48	525	79.0	II	9720	123	B2-U0-G2	10493	133	B2-U0-G2	11046	140	B2-U0-G2	11598	147	B2-U0-G2	62.0	3143	51	B1-U0-G1
			II-FR	9785	124	B2-U0-G1	10564	134	B2-U0-G1	11120	141	B2-U0-G1	11676	148	B3-U0-G1		3164	51	B1-U0-G1
			II-ML	9720	123	B3-U0-G3	10494	133	B3-U0-G3	11046	140	B3-U0-G3	11598	147	B3-U0-G3		3143	51	B2-U0-G2
			III-M	9891	125	B2-U0-G2	10677	135	B2-U0-G2	11240	142	B2-U0-G2	11801	149	B2-U0-G2		3198	52	B1-U0-G1
			III-W	9183	116	B2-U0-G3	9914	125	B2-U0-G3	10436	132	B2-U0-G3	10958	139	B2-U0-G3		2969	48	B1-U0-G1
			IV	9816	124	B2-U0-G2	10597	134	B2-U0-G2	11155	141	B2-U0-G2	11712	148	B2-U0-G2		3174	51	B1-U0-G1
			IV-FT	8942	113	B2-U0-G2	9653	122	B2-U0-G3	10161	129	B2-U0-G3	10669	135	B2-U0-G3		2892	47	B1-U0-G1
			VSQ-N	10260	130	B3-U0-G1	11075	140	B3-U0-G1	11659	148	B3-U0-G1	12242	155	B3-U0-G1		3317	54	B2-U0-G0
			VSQ-M	10060	127	B3-U0-G2	10861	137	B4-U0-G2	11432	145	B4-U0-G2	12004	152	B4-U0-G2		3253	52	B2-U0-G1
			VSQ-W	9821	124	B4-U0-G3	10602	134	B4-U0-G3	11160	141	B4-U0-G3	11718	148	B4-U0-G3		3175	51	B2-U0-G1
			IIHS	7110	90	B1-U0-G2	7675	97	B1-U0-G2	8079	102	B1-U0-G2	8483	107	B1-U0-G2		2298	37	B0-U0-G1
			II-FRHS	7231	92	B1-U0-G1	7806	99	B1-U0-G1	8217	104	B1-U0-G1	8628	109	B1-U0-G1		2339	38	B0-U0-G0
			II-MHS	7192	91	B0-U0-G2	7764	98	B1-U0-G2	8173	103	B1-U0-G2	8581	109	B1-U0-G2		2325	38	B0-U0-G1
			III-WHS	7040	89	B0-U0-G2	7600	96	B0-U0-G2	8000	101	B1-U0-G2	8400	106	B1-U0-G2		2276	37	B0-U0-G1
			IV-HS	7429	94	B1-U0-G2	8020	102	B1-U0-G2	8442	107	B1-U0-G2	8864	112	B1-U0-G2		2402	39	B0-U0-G1
			IV-FT-HS	7020	89	B1-U0-G3	7579	96	B1-U0-G3	7978	101	B1-U0-G3	8377	106	B1-U0-G3		2270	37	B0-U0-G1
48	700	105.1	II	12226	116	B2-U0-G2	13199	126	B2-U0-G2	13894	132	B2-U0-G2	14588	139	B3-U0-G2	N/A	N/A		
			II-FR	12308	117	B3-U0-G1	13287	126	B3-U0-G1	13986	133	B3-U0-G1	14686	140	B3-U0-G1				
			II-ML	12227	116	B3-U0-G3	13200	126	B3-U0-G3	13894	132	B3-U0-G3	14589	139	B4-U0-G4				
			II-M	12440	118	B2-U0-G2	13430	128	B2-U0-G2	14137	135	B2-U0-G2	14843	141	B2-U0-G2				
			III-W	11550	110	B2-U0-G3	12468	119	B2-U0-G3	13125	125	B2-U0-G3	13781	131	B2-U0-G3				
			IV	12346	117	B2-U0-G2	13329	127	B2-U0-G2	14030	133	B2-U0-G2	14731	140	B2-U0-G2				
			IV-FT	11247	107	B2-U0-G3	12141	116	B2-U0-G3	12780	122	B2-U0-G3	13419	128	B2-U0-G3				
			VSQ-N	12904	123	B3-U0-G1	13931	133	B3-U0-G1	14663	140	B3-U0-G1	15397	146	B3-U0-G1				
			VSQ-M	12654	120	B4-U0-G2	13660	130	B4-U0-G2	14379	137	B4-U0-G2	15099	144	B4-U0-G2				
			VSQ-W	12352	118	B4-U0-G3	13334	127	B4-U0-G3	14036	134	B4-U0-G3	14738	140	B4-U0-G3				
			IIHS	8942	85	B1-U0-G2	9653	92	B1-U0-G2	10161	97	B1-U0-G2	10669	102	B1-U0-G2				
			II-FRHS	9095	87	B1-U0-G1	9819	93	B1-U0-G1	10336	98	B1-U0-G1	10852	103	B1-U0-G1				
			II-MHS	9045	86	B1-U0-G2	9765	93	B1-U0-G2	10279	98	B1-U0-G2	10793	103	B1-U0-G2				
			III-WHS	8854	84	B1-U0-G2	9558	91	B1-U0-G3	10062	96	B1-U0-G3	10565	101	B1-U0-G3				
			IV-HS	9344	89	B1-U0-G2	10087	96	B1-U0-G2	10618	101	B1-U0-G2	11149	106	B1-U0-G2				
			IV-FT-HS	8831	84	B1-U0-G3	9533	91	B1-U0-G3	10035	95	B1-U0-G3	10537	100	B1-U0-G3				
48	875	131.8	II	14829	113	B3-U0-G2	16008	121	B3-U0-G3	16851	128	B3-U0-G3	17693	134	B3-U0-G3	N/A	N/A		
			II-FR	14928	113	B3-U0-G2	16115	122	B3-U0-G2	16964	129	B3-U0-G2	17812	135	B3-U0-G2				
			II-ML	14829	113	B4-U0-G4	16009	121	B4-U0-G4	16851	128	B4-U0-G4	17694	134	B4-U0-G4				
			III-M	15088	114	B2-U0-G2	16288	124	B3-U0-G3	17145	130	B3-U0-G3	18003	137	B3-U0-G3				
			III-W	14009	106	B2-U0-G3	15123	115	B2-U0-G3	15919	121	B3-U0-G3	16715	127	B3-U0-G3				
			IV	14975	114	B2-U0-G2	16166	123	B3-U0-G2	17017	129	B3-U0-G3	17867	136	B3-U0-G3				
			IV-FT	13641	103	B2-U0-G3	14726	112	B3-U0-G3	15501	118	B3-U0-G3	16276	123	B3-U0-G3				
			VSQ-N	15652	119	B3-U0-G1	16897	128	B4-U0-G2	17786	135	B4-U0-G2	18675	142	B4-U0-G2				
			VSQ-M	15348	116	B4-U0-G2	16568	126	B4-U0-G2	17440	132	B4-U0-G2	18312	139	B4-U0-G2				
			VSQ-W	14981	114	B4-U0-G3	16173	123	B4-U0-G3	17024	129	B5-U0-G3	17876	136	B5-U0-G3				
			IIHS	10845	82	B1-U0-G2	11707	89	B1-U0-G2	12324	94	B1-U0-G2	12940	98	B1-U0-G2				
			II-FRHS	11032	84	B1-U0-G1	11909	90	B1-U0-G2	12536	95	B1-U0-G2	13162	100	B1-U0-G2				
			II-MHS	10971	83	B1-U0-G2	11844	90	B1-U0-G3	12467	95	B1-U0-G3	13091	99	B1-U0-G3				
			III-WHS	10739	81	B1-U0-G3	11594	88	B1-U0-G3	12204	93	B1-U0-G3	12814	97	B1-U0-G3				
			IV-HS	11333	86	B1-U0-G2	12234	93	B1-U0-G2	12878	98	B1-U0-G3	13522	103	B1-U0-G3				
			IV-FT-HS	10711	81	B1-U0-G3	11562	88	B1-U0-G3	12171	92	B1-U0-G3	12779	97	B1-U0-G3				
48	1050	159.6	II	17044	107	B3-U0-G3	18400	115	B3-U0-G3	19369	121	B3-U0-G3	20337	127	B3-U0-G3	N/A	N/A		
			II-FR	17159	108	B3-U0-G2	18523	116	B3-U0-G2	19498	122	B3-U0-G2	20473	128	B3-U0-G2				
			II-ML	17045	107	B4-U0-G4	18401	115	B4-U0-G4	19369	121	B4-U0-G4	20338	127	B4-U0-G4				
			III-M	17342	109	B3-U0-G3	18722	117	B3-U0-G3	19707	123	B3-U0-G3	20692	130	B3-U0-G3				
			III-W	16102	101	B3-U0-G3	17383	109	B3-U0-G3	18298	115	B3-U0-G3	19213	120	B3-U0-G4				
			IV	17212	108	B3-U0-G3	18582	116	B3-U0-G3	19559	123	B3-U0-G3	20537	129	B3-U0-G3				
			IV-FT	15680	98	B3-U0-G3	16927	106	B3-U0-G3	17818	112	B3-U0-G3	18708	117	B3-U0-G4				
			VSQ-N	17990	113	B4-U0-G2	19421	122	B4-U0-G2	20443	128	B4-U0-G2	21466	134	B4-U0-G2				
			VSQ-M	17641	111	B4-U0-G2	19044	119	B4-U0-G2	20046	126	B4-U0-G2	21048	132	B4-U0-G2				
			VSQ-W	17220	108	B5-U0-G3	18590	116	B5-U0-G3	19568	123	B5-U0-G3	20546	129	B5-U0-G3				
			IIHS	12465	78	B1-U0-G2	13457	84	B1-U0-G3	14165	89	B1-U0-G3	14873	93	B1-U0-G3				
			II-FRHS	12680	79	B1-U0-G2	13688	86	B1-U0-G2	14409	90	B1-U0-G2	15129	95	B1-U0-G2				
			II-MHS	12611	79	B1-U0-G3	13614	85	B1-U0-G3	14330	90	B1-U0-G3	15047	94	B1-U0-G3				
			III-WHS	12344	77	B1-U0-G3	13326	83	B1-U0-G3	14027	88	B1-U0-G3	14728	92	B1-U0-G4				
			IV-HS	13026	82	B1-U0-G3	14062	88	B1-U0-G3	14802	93	B1-U0-G3	15542	97	B1-U0-G3				
			IV-FT-HS	12311	72	B1-U0-G3	13300	83	B1-U0-G3	13982	88	B1-U0-G4	14682	92	B1-U0-G4				

Submitted by Diversified New Jersey

Diversified

Lighting | Technology | Expertise

Job Name:

West Orange Plaza
Civil Engineer: PETRY ENGINEERING, LLC
(FAIRFIELD)

Catalog Number:

RZR-G-PLED-III-W-120LED-525MA-40K-VOLTAGE-1-FINISH-PG13

Notes:

Type:

C1

DIV-NJ23-159484

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZR-PLED)

RZR-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	350	85.4	II	11277	132	B2-U0-G2	12174	143	B2-U0-G2	12814	150	B2-U0-G2	13455	158	B2-U0-G2	67.0	4475	67	B1-U0-G1
			II-FR	11352	133	B3-U0-G1	12256	144	B3-U0-G1	12901	151	B3-U0-G1	13546	159	B3-U0-G1		4504	67	B1-U0-G1
			II-ML	11277	132	B3-U0-G3	12175	143	B3-U0-G3	12815	150	B3-U0-G3	13456	158	B3-U0-G3		4475	67	B2-U0-G2
			IIIM	11474	134	B2-U0-G2	12387	145	B2-U0-G2	13039	153	B2-U0-G2	13691	160	B2-U0-G2		4553	68	B1-U0-G1
			IIIW	10654	125	B2-U0-G3	11501	135	B2-U0-G3	12106	142	B2-U0-G3	12712	149	B2-U0-G3		4228	63	B1-U0-G2
			IV	11388	133	B2-U0-G2	12294	144	B2-U0-G2	12941	152	B2-U0-G2	13588	159	B2-U0-G2		4518	67	B1-U0-G1
			IV-FT	10374	121	B2-U0-G3	11199	131	B2-U0-G3	11788	138	B2-U0-G3	12377	145	B2-U0-G3		4117	61	B1-U0-G1
			VSQ-N	11902	139	B3-U0-G1	12849	150	B3-U0-G1	13525	158	B3-U0-G1	14202	166	B3-U0-G1		4723	70	B2-U0-G1
			VSQ-M	11671	137	B4-U0-G2	12600	148	B4-U0-G2	13263	155	B4-U0-G2	13927	163	B4-U0-G2		4631	69	B3-U0-G1
			VSQ-W	11392	133	B4-U0-G3	12299	144	B4-U0-G3	12946	152	B4-U0-G3	13593	159	B4-U0-G3		4520	67	B3-U0-G2
			IIHS	8247	97	B1-U0-G2	8903	104	B1-U0-G2	9372	110	B1-U0-G2	9840	115	B1-U0-G2		3273	49	B0-U0-G1
			II-FRHS	8389	98	B1-U0-G1	9056	106	B1-U0-G1	9533	112	B1-U0-G1	10009	117	B1-U0-G1		3329	50	B0-U0-G1
			IIIMHS	8344	98	B1-U0-G2	9007	105	B1-U0-G2	9482	111	B1-U0-G2	9956	117	B1-U0-G2		3311	49	B0-U0-G1
			IIIWHS	8167	96	B1-U0-G2	8817	103	B1-U0-G2	9281	109	B1-U0-G2	9745	114	B1-U0-G2		3240	48	B0-U0-G1
			IVHS	8618	101	B1-U0-G2	9304	109	B1-U0-G2	9793	115	B1-U0-G2	10283	120	B1-U0-G2		3420	51	B0-U0-G1
			IV-FTHS	8144	95	B1-U0-G3	8792	103	B1-U0-G3	9255	108	B1-U0-G3	9718	114	B1-U0-G3		3232	48	B0-U0-G2
80	525	129.4	II	16239	125	B3-U0-G3	17531	135	B3-U0-G3	18454	143	B3-U0-G3	19377	150	B3-U0-G3	101.0	5251	52	B1-U0-G1
			II-FR	16348	126	B3-U0-G2	17648	136	B3-U0-G2	18577	144	B3-U0-G2	19506	151	B3-U0-G2		5286	52	B1-U0-G1
			II-ML	16240	126	B4-U0-G4	17532	135	B4-U0-G4	18454	143	B4-U0-G4	19377	150	B4-U0-G4		5251	52	B2-U0-G2
			IIIM	16523	128	B3-U0-G3	17837	138	B3-U0-G3	18776	145	B3-U0-G3	19715	152	B3-U0-G3		5343	53	B1-U0-G2
			IIIW	15341	119	B2-U0-G3	16562	128	B3-U0-G3	17433	135	B3-U0-G3	18305	141	B3-U0-G3		4961	49	B1-U0-G2
			IV	16398	127	B3-U0-G3	17703	137	B3-U0-G3	18635	144	B3-U0-G3	19566	151	B3-U0-G3		5302	52	B1-U0-G1
			IV-FT	14938	115	B3-U0-G3	16127	125	B3-U0-G4	16976	131	B3-U0-G4	17824	138	B3-U0-G4		4830	48	B1-U0-G2
			VSQ-N	17140	132	B4-U0-G2	18504	143	B4-U0-G2	19477	151	B4-U0-G2	20451	158	B4-U0-G2		5542	55	B2-U0-G1
			VSQ-M	16807	130	B4-U0-G2	18144	140	B4-U0-G2	19099	148	B4-U0-G2	20053	155	B4-U0-G2		5434	54	B3-U0-G1
			VSQ-W	16406	127	B4-U0-G3	17711	137	B5-U0-G3	18643	144	B5-U0-G3	19575	151	B5-U0-G3		5304	53	B3-U0-G2
			IIHS	11877	92	B1-U0-G2	12821	99	B1-U0-G2	13496	104	B1-U0-G3	14171	110	B1-U0-G3		3841	38	B0-U0-G1
			II-FRHS	12081	93	B1-U0-G2	13042	101	B1-U0-G2	13728	106	B1-U0-G2	14414	111	B1-U0-G2		3906	39	B0-U0-G1
			IIIMHS	12016	93	B1-U0-G3	12971	100	B1-U0-G3	13654	106	B1-U0-G3	14337	111	B1-U0-G3		3885	38	B0-U0-G1
			IIIWHS	11760	91	B1-U0-G3	12696	98	B1-U0-G3	13364	103	B1-U0-G3	14032	108	B1-U0-G3		3803	38	B0-U0-G2
			IVHS	12411	96	B1-U0-G2	13398	104	B1-U0-G3	14103	109	B1-U0-G3	14808	114	B1-U0-G3		4013	40	B0-U0-G1
			IV-FTHS	11729	91	B1-U0-G3	12662	98	B1-U0-G3	13328	103	B1-U0-G3	13995	108	B1-U0-G4		3792	38	B0-U0-G2
80	700	173.6	II	20695	119	B3-U0-G3	22232	128	B3-U0-G3	23403	135	B3-U0-G3	24573	142	B3-U0-G3	N/A	N/A		
			II-FR	20732	119	B3-U0-G2	22381	129	B3-U0-G2	23559	136	B3-U0-G2	24736	142	B3-U0-G2				
			II-ML	20695	119	B4-U0-G4	22233	128	B4-U0-G4	23403	135	B4-U0-G4	24573	142	B4-U0-G4				
			IIIM	20954	121	B3-U0-G3	22621	130	B3-U0-G3	23812	137	B3-U0-G4	25003	144	B3-U0-G4				
			IIIW	19456	112	B3-U0-G4	21003	121	B3-U0-G4	22109	127	B3-U0-G4	23214	134	B3-U0-G4				
			IV	20797	120	B3-U0-G3	22451	129	B3-U0-G3	23633	136	B3-U0-G3	24814	143	B3-U0-G4				
			IV-FT	18945	109	B3-U0-G4	20452	118	B3-U0-G4	21528	124	B3-U0-G4	22604	130	B3-U0-G4				
			VSQ-N	21737	125	B4-U0-G2	23466	135	B4-U0-G2	24701	142	B4-U0-G2	25936	149	B4-U0-G2				
			VSQ-M	21314	123	B5-U0-G3	23010	133	B5-U0-G3	24221	140	B5-U0-G3	25432	146	B5-U0-G3				
			VSQ-W	20806	120	B5-U0-G3	22461	129	B5-U0-G4	23643	136	B5-U0-G4	24825	143	B5-U0-G4				
			IIHS	15062	87	B1-U0-G3	16260	94	B1-U0-G3	17115	99	B1-U0-G3	17971	104	B1-U0-G3				
			II-FRHS	15321	88	B1-U0-G2	16539	95	B1-U0-G2	17410	100	B1-U0-G2	18280	105	B1-U0-G2				
			IIIMHS	15238	88	B1-U0-G3	16450	95	B1-U0-G3	17315	100	B1-U0-G3	18181	105	B1-U0-G4				
			IIIWHS	14915	86	B1-U0-G4	16101	93	B1-U0-G4	16948	98	B1-U0-G4	17796	103	B1-U0-G4				
			IVHS	15739	91	B1-U0-G3	16991	98	B1-U0-G3	17885	103	B1-U0-G3	18780	108	B1-U0-G3				
			IV-FTHS	14874	86	B1-U0-G4	16058	92	B1-U0-G4	16903	97	B1-U0-G4	17748	102	B1-U0-G4				
80	875	215.9	II	23798	110	B3-U0-G3	25691	119	B3-U0-G3	27043	125	B3-U0-G4	28395	132	B3-U0-G4	N/A	N/A		
			II-FR	23957	111	B3-U0-G2	25862	120	B3-U0-G2	27223	126	B3-U0-G2	28585	132	B4-U0-G2				
			II-ML	23799	110	B4-U0-G4	25692	119	B4-U0-G4	27044	125	B4-U0-G4	28396	132	B4-U0-G4				
			IIIM	24214	112	B3-U0-G4	26140	121	B3-U0-G4	27516	127	B3-U0-G4	28892	134	B3-U0-G4				
			IIIW	22482	104	B3-U0-G4	24270	112	B3-U0-G4	25548	118	B3-U0-G4	26825	124	B3-U0-G4				
			IV	24032	111	B3-U0-G3	25943	120	B3-U0-G4	27309	126	B3-U0-G4	28674	133	B3-U0-G4				
			IV-FT	21892	101	B3-U0-G4	23634	109	B3-U0-G5	24877	115	B3-U0-G5	26121	121	B3-U0-G5				
			VSQ-N	25118	116	B4-U0-G2	27116	126	B5-U0-G2	28543	132	B5-U0-G2	29970	139	B5-U0-G2				
			VSQ-M	24630	114	B5-U0-G3	26589	123	B5-U0-G3	27988	130	B5-U0-G3	29387	136	B5-U0-G3				
			VSQ-W	24042	111	B5-U0-G4	25954	120	B5-U0-G4	27321	127	B5-U0-G4	28686	133	B5-U0-G4				
			IIHS	17405	81	B1-U0-G3	18789	87	B1-U0-G3	19778	92	B1-U0-G4	20766	96	B2-U0-G4				
			II-FRHS	17704	82	B1-U0-G2	19112	89	B1-U0-G2	20118	93	B1-U0-G2	21124	98	B1-U0-G2				
			IIIMHS	17608	82	B1-U0-G4	19008	88	B1-U0-G4	20009	93	B1-U0-G4	21009	97	B1-U0-G4				
			IIIWHS	17234	80	B1-U0-G4	18605	86	B1-U0-G4	19584	91	B1-U0-G4	20564	95	B1-U0-G4				
			IVHS	18187	84	B1-U0-G3	19634	91	B1-U0-G4	20667	96	B1-U0-G4	21701	101	B1-U0-G4				
			IV-FTHS	17188	80	B1-U0-G4	18555	86	B1-U0-G4	19532	90	B1-U0-G4	20509	95	B1-U0-G4				
80	1050	256.4	II	27354	107	B3-U0-G4	29530	115	B4-U0-G4	31084	121	B4-U0-G4	32638	127	B4-U0-G4	N/A	N/A		
			II-FR	27536	107	B3-U0-G2	29727	116	B4-U0-G2	31291	122	B4-U0-G2	32856	128	B4-U0-G2				
			II-ML	27355	107	B4-U0-G4	29531	115	B5-U0-G5	31085	121	B5-U0-G5	32639	127	B5-U0-G5				
			IIIM	27832	109	B3-U0-G4	30046	117	B3-U0-G4	31627	123	B4-U0-G4	33209	130	B4-U0-G4				
			IIIW	25841	101	B3-U0-G4	27897	109	B3-U0-G4	29365	115	B3-U0-G5	30834	120	B3-U0-G5				
			IV	27622	108	B3-U0-G4	29820	116	B3-U0-G4	31389	122	B4-U0-G4	32959	129	B4-U0-G4				
			IV-FT	25163	98	B3-U0-G5	27165	106	B3-U0-G5	28595	112	B3-U0-G5	30024	117	B3-U0-G5				
			VSQ-N	28871	113	B5-U0-G2	31168	122	B5-U0-G2	32808	128	B5-U0-G2	34448	134	B5-U0-G2				
			VSQ-M	28310	110	B5-U0-G3	30561	119	B5-U0-G3	32170	125	B5-U0-G4	33779	132	B5-U0-G4				
			VSQ-W	27634	108	B5-U0-G4	29833	116	B5-U0-G4	31403	122	B5-U0-G5	32973	129	B5-U0-G5				
			IIHS	20005	78	B1-U0-G4	21596	84	B2-U0-G4	22733	89	B2-U0-G4	23870	93	B2-U0-G4				
			II-FRHS	20349	79	B1-U0-G2	21968	86	B1-U0-G2	23124	90	B1-U0-G2	24280	95	B1-U0-G2				
			IIIMHS	20239	79	B1-U0-G4	21848	85	B1-U0-G4	22998	90	B1-U0-G4	24148	94	B1-U0-G4				
			IIIWHS	19809	77	B1-U0-G4	21385	83	B1-U0-G4	22511	88	B1-U0-G4	23636	92	B1-U0-G5				
			IVHS	20905	82	B1-U0-G4	22568	88	B1-U0-G4	23756	93	B1-U0-G4	24943	97	B1-U0-G4				
			IV-FTHS	19756	77	B1-U0-G4	21328	83	B1-U0-G4	22451	88	B1-U0-G5	23573	92	B1-U0-G5				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRG-PLD)

RZR-G-PLD																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	350	87.0	II	11409	131	B2-U0-G2	12317	142	B2-U0-G2	12965	149	B2-U0-G2	13613	156	B2-U0-G2	67.0	4528	68	B1-U0-G1
			II-FR	11485	132	B3-U0-G1	12398	143	B3-U0-G1	13051	150	B3-U0-G1	13703	158	B3-U0-G1		4558	68	B1-U0-G1
			II-ML	11409	131	B3-U0-G3	12317	142	B3-U0-G3	12965	149	B3-U0-G3	13613	156	B3-U0-G3		4528	68	B2-U0-G2
			III-M	11608	133	B2-U0-G2	12531	144	B2-U0-G2	13191	152	B2-U0-G2	13850	159	B2-U0-G2		4553	68	B1-U0-G1
			III-W	10778	124	B2-U0-G3	11635	134	B2-U0-G3	12248	141	B2-U0-G3	12860	148	B2-U0-G3		4276	64	B1-U0-G2
			IV	11520	132	B2-U0-G2	12437	143	B2-U0-G2	13091	150	B2-U0-G2	13746	158	B2-U0-G2		4572	68	B1-U0-G1
			IV-FT	10494	121	B2-U0-G3	11330	130	B2-U0-G3	11926	137	B2-U0-G3	12522	144	B2-U0-G3		4165	62	B1-U0-G1
			VSQ-N	12041	138	B3-U0-G1	12999	149	B3-U0-G1	13683	157	B3-U0-G1	14367	165	B3-U0-G1		4779	71	B2-U0-G1
			VSQ-M	11808	136	B4-U0-G2	12747	147	B4-U0-G2	13418	154	B4-U0-G2	14089	162	B4-U0-G2		4686	70	B3-U0-G1
			VSQ-W	11526	132	B4-U0-G3	12443	143	B4-U0-G3	13097	151	B4-U0-G3	13752	158	B4-U0-G3		4574	68	B3-U0-G2
			IIHS	8464	97	B1-U0-G2	9138	105	B1-U0-G2	9618	111	B1-U0-G2	10099	116	B1-U0-G2		3359	50	B0-U0-G1
			II-FRHS	8609	99	B1-U0-G1	9294	107	B1-U0-G1	9783	112	B1-U0-G1	10274	118	B1-U0-G1		3417	51	B0-U0-G1
			II-MHS	8563	98	B1-U0-G2	9244	106	B1-U0-G2	9731	112	B1-U0-G2	10217	117	B1-U0-G2		3398	51	B0-U0-G1
			III-WHS	8382	96	B1-U0-G2	9048	104	B1-U0-G2	9525	109	B1-U0-G3	10001	115	B1-U0-G3		3326	50	B0-U0-G1
			IV-HS	8845	102	B1-U0-G2	9548	110	B1-U0-G2	10051	116	B1-U0-G2	10553	121	B1-U0-G2		3510	52	B0-U0-G1
			IV-FT-HS	8359	96	B1-U0-G3	9024	104	B1-U0-G3	9499	109	B1-U0-G3	9974	115	B1-U0-G3		3317	50	B0-U0-G2
80	525	129.0	II	16394	127	B3-U0-G3	17698	137	B3-U0-G3	18629	144	B3-U0-G3	19560	152	B3-U0-G3	101.0	5301	52	B1-U0-G1
			II-FR	16503	128	B3-U0-G2	17816	138	B3-U0-G2	18753	145	B3-U0-G2	19691	153	B3-U0-G2		5336	53	B1-U0-G1
			II-ML	16394	127	B4-U0-G4	17698	137	B4-U0-G4	18630	144	B4-U0-G4	19561	152	B4-U0-G4		5302	52	B2-U0-G2
			III-M	16680	129	B3-U0-G3	14740	114	B2-U0-G2	18955	147	B3-U0-G3	19902	154	B3-U0-G3		5343	53	B1-U0-G2
			III-W	15488	120	B2-U0-G3	16720	130	B3-U0-G3	17600	136	B3-U0-G3	18479	143	B3-U0-G4		5008	50	B1-U0-G2
			IV	16555	128	B3-U0-G3	17871	139	B3-U0-G3	18812	146	B3-U0-G3	19753	153	B3-U0-G3		5353	53	B1-U0-G1
			IV-FT	15081	117	B3-U0-G3	16280	126	B3-U0-G3	17137	133	B3-U0-G3	17994	139	B3-U0-G3		4877	48	B1-U0-G2
			VSQ-N	17303	134	B4-U0-G2	18679	145	B4-U0-G2	19663	152	B4-U0-G2	20646	160	B4-U0-G2		5595	55	B2-U0-G1
			VSQ-M	16967	132	B4-U0-G2	18317	142	B4-U0-G2	19281	149	B4-U0-G2	20245	157	B4-U0-G2		5486	54	B3-U0-G1
			VSQ-W	16562	128	B4-U0-G3	17880	139	B5-U0-G3	18821	146	B5-U0-G3	19762	153	B5-U0-G3		5355	53	B3-U0-G2
			IIHS	12089	94	B1-U0-G2	13052	101	B1-U0-G3	13738	106	B1-U0-G3	14425	112	B1-U0-G3		3909	39	B0-U0-G1
			II-FRHS	12298	95	B1-U0-G2	13276	103	B1-U0-G2	13975	108	B1-U0-G2	14674	114	B1-U0-G2		3977	39	B0-U0-G1
			II-MHS	12231	95	B1-U0-G3	13204	102	B1-U0-G3	13899	108	B1-U0-G3	14594	113	B1-U0-G3		3954	39	B0-U0-G1
			III-WHS	11971	93	B1-U0-G3	12924	100	B1-U0-G3	13604	105	B1-U0-G3	14284	111	B1-U0-G3		3871	38	B0-U0-G2
			IV-HS	12633	98	B1-U0-G2	13638	106	B1-U0-G3	14356	111	B1-U0-G3	15074	117	B1-U0-G3		4085	40	B0-U0-G1
			IV-FT-HS	11940	93	B1-U0-G3	12889	100	B1-U0-G3	13568	105	B1-U0-G3	14246	110	B1-U0-G4		3861	38	B0-U0-G2
80	700	174.0	II	20914	120	B3-U0-G3	22578	130	B3-U0-G3	23766	137	B3-U0-G3	24955	143	B3-U0-G3	N/A	N/A		
			II-FR	21054	121	B3-U0-G2	22729	131	B3-U0-G2	23924	137	B3-U0-G2	25121	144	B3-U0-G2				
			II-ML	20915	120	B4-U0-G4	22579	130	B4-U0-G4	23767	137	B4-U0-G4	24955	143	B4-U0-G4				
			II-M	21280	122	B3-U0-G3	22972	132	B3-U0-G3	24182	139	B3-U0-G4	25391	146	B3-U0-G4				
			III-W	19759	114	B3-U0-G4	21330	123	B3-U0-G4	22453	129	B3-U0-G4	23575	135	B3-U0-G4				
			IV	21120	121	B3-U0-G3	22800	131	B3-U0-G3	24000	138	B3-U0-G3	25200	145	B3-U0-G4				
			IV-FT	19239	111	B3-U0-G4	20770	119	B3-U0-G4	21862	126	B3-U0-G4	22956	132	B3-U0-G4				
			VSQ-N	22074	127	B4-U0-G2	23831	137	B4-U0-G2	25084	144	B4-U0-G2	26339	151	B4-U0-G2				
			VSQ-M	21646	124	B5-U0-G3	23367	134	B5-U0-G3	24598	141	B5-U0-G3	25827	148	B5-U0-G3				
			VSQ-W	21129	121	B5-U0-G4	22810	131	B5-U0-G4	24010	138	B5-U0-G4	25212	145	B5-U0-G4				
			IIHS	15363	88	B1-U0-G3	16586	95	B1-U0-G3	17458	100	B1-U0-G3	18332	105	B1-U0-G3				
			II-FRHS	15628	90	B1-U0-G2	16872	97	B1-U0-G2	17759	102	B1-U0-G2	18647	107	B1-U0-G2				
			II-MHS	15542	89	B1-U0-G3	16778	96	B1-U0-G3	17662	102	B1-U0-G4	18545	107	B1-U0-G4				
			III-WHS	15213	87	B1-U0-G4	16423	94	B1-U0-G4	17288	99	B1-U0-G4	18152	104	B1-U0-G4				
			IV-HS	16055	92	B1-U0-G3	17331	100	B1-U0-G3	18244	105	B1-U0-G3	19155	110	B1-U0-G3				
			IV-FT-HS	15172	87	B1-U0-G4	16380	94	B1-U0-G4	17242	99	B1-U0-G4	18104	104	B1-U0-G4				
80	875	219.7	II	25063	114	B3-U0-G3	27057	123	B3-U0-G4	28481	130	B3-U0-G4	29905	136	B4-U0-G4	N/A	N/A		
			II-FR	25230	115	B3-U0-G2	27237	124	B3-U0-G2	28670	130	B4-U0-G2	30104	137	B4-U0-G2				
			II-ML	25064	114	B4-U0-G4	27057	123	B4-U0-G4	28481	130	B4-U0-G4	29906	136	B5-U0-G5				
			III-M	25501	116	B3-U0-G4	27529	125	B3-U0-G4	28978	132	B3-U0-G4	30427	138	B3-U0-G4				
			III-W	23677	108	B3-U0-G4	25560	116	B3-U0-G4	26906	122	B3-U0-G4	28251	129	B3-U0-G4				
			IV	25309	115	B3-U0-G4	27322	124	B3-U0-G4	28760	131	B3-U0-G4	30198	137	B3-U0-G4				
			IV-FT	23056	105	B3-U0-G4	24889	113	B3-U0-G4	26200	119	B3-U0-G4	27509	125	B3-U0-G4				
			VSQ-N	26453	120	B4-U0-G2	28557	130	B5-U0-G2	30060	137	B5-U0-G2	31563	144	B5-U0-G2				
			VSQ-M	25939	118	B5-U0-G3	28002	127	B5-U0-G3	29476	134	B5-U0-G3	30950	141	B5-U0-G3				
			VSQ-W	25320	115	B5-U0-G4	27335	124	B5-U0-G4	28773	131	B5-U0-G4	30212	138	B5-U0-G4				
			IIHS	18330	83	B1-U0-G3	19788	90	B1-U0-G4	20830	95	B2-U0-G4	21871	100	B2-U0-G4				
			II-FRHS	18645	85	B1-U0-G2	20128	92	B1-U0-G2	21188	96	B1-U0-G2	22247	101	B1-U0-G2				
			II-MHS	18543	84	B1-U0-G4	20018	91	B1-U0-G4	21072	96	B1-U0-G4	22125	101	B1-U0-G4				
			III-WHS	18151	83	B1-U0-G4	19594	89	B1-U0-G4	20626	94	B1-U0-G4	21657	99	B1-U0-G4				
			IV-HS	19154	87	B1-U0-G3	20677	94	B1-U0-G4	21766	99	B1-U0-G4	22854	104	B1-U0-G4				
			IV-FT-HS	18102	82	B1-U0-G4	19591	89	B1-U0-G4	20571	94	B1-U0-G4	21599	98	B1-U0-G4				
80	1050	266.0	II	28808	108	B4-U0-G4	31049	117	B4-U0-G4	32736	123	B4-U0-G4	34373	129	B4-U0-G4	N/A	N/A		
			II-FR	29000	109	B4-U0-G2	31306	118	B4-U0-G2	32954	124	B4-U0-G2	34602	130	B4-U0-G2				
			II-ML	28809	108	B5-U0-G5	31100	117	B5-U0-G5	32737	123	B5-U0-G5	34374	129	B5-U0-G5				
			II-M	29311	110	B3-U0-G4	31643	119	B4-U0-G4	33308	125	B4-U0-G4	34974	131	B4-U0-G4				
			III-W	27215	102	B3-U0-G4	29380	110	B3-U0-G5	30926	116	B3-U0-G5	32473	122	B3-U0-G5				
			IV	29091	109	B3-U0-G4	31404	118	B4-U0-G4	33058	124	B4-U0-G4	34710	130	B4-U0-G4				
			IV-FT	26501	100	B3-U0-G4	28608	108	B3-U0-G4	30114	113	B3-U0-G5	31620	119	B3-U0-G5				
			VSQ-N	30405	114	B5-U0-G2	32824	123	B5-U0-G2	34551	130	B5-U0-G2	36279	136	B5-U0-G2				
			VSQ-M	29815	112	B5-U0-G3	32186	121	B5-U0-G4	33880	127	B5-U0-G4	35575	134	B5-U0-G4				
			VSQ-W	29104	109	B5-U0-G4	31419	118	B5-U0-G5	33073	124	B5-U0-G5	34726	131	B5-U0-G5				
			IIHS	21069	79	B2-U0-G4	22745	86	B2-U0-G4	23942	90	B2-U0-G4	25139	95	B2-U0-G4				
			II-FRHS	21432	81	B1-U0-G2	23136	87	B1-U0-G2	24354	92	B1-U0-G2	25571	96	B2-U0-G2				
			II-MHS	21314	80	B1-U0-G4	23009	87	B1-U0-G4	24220	91	B1-U0-G4	25431	96	B1-U0-G4				
			III-WHS	20862	78	B1-U0-G4	22521	85	B1-U0-G4	23708	89	B1-U0-G5	24893	94	B1-U0-G5				
			IV-HS	22016	83	B1-U0-G4	23766	89	B1-U0-G4	25018	94	B1-U0-G4	26268	99	B1-U0-G4				
			IV-FT-HS	20807	78	B1-U0-C4	22461	84	B1-U0-C5	23644	89	B1-U0-C5	24826	93	B1-U0-C5				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRG-PLED)

RZR-G-PLED																										
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)									
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING				
120	350	130.0	II	16889	130	B3-U0-G3	18233	140	B3-U0-G3	19192	148	B3-U0-G3	20152	155	B3-U0-G3	100.0	6702	67	B2-U0-G2							
			II-FR	17001	131	B3-U0-G2	18354	141	B3-U0-G2	19320	149	B3-U0-G2	20286	156	B3-U0-G2		6747	67	B2-U0-G1							
			II-ML	16890	130	B4-U0-G4	18233	140	B4-U0-G4	19193	148	B4-U0-G4	20152	155	B4-U0-G4		6703	67	B3-U0-G3							
			III-M	17184	132	B3-U0-G3	18552	143	B3-U0-G3	19527	150	B3-U0-G3	20504	158	B3-U0-G3		6818	68	B2-U0-G2							
			III-W	15956	123	B3-U0-G3	17224	132	B3-U0-G3	18131	139	B3-U0-G3	19037	146	B3-U0-G4		6331	63	B1-U0-G2							
			IV	17055	131	B3-U0-G3	18411	142	B3-U0-G3	19381	149	B3-U0-G3	20349	157	B3-U0-G3		6768	68	B2-U0-G2							
			IV-FT	15537	120	B3-U0-G3	16772	129	B3-U0-G3	17655	136	B3-U0-G3	18538	143	B3-U0-G4		6165	62	B1-U0-G2							
			VSQ-N	17825	137	B4-U0-G2	19243	148	B4-U0-G2	20256	156	B4-U0-G2	21269	164	B4-U0-G2		7073	71	B2-U0-G1							
			VSQ-M	17480	134	B4-U0-G2	18870	145	B4-U0-G2	19863	153	B4-U0-G2	20857	160	B4-U0-G2		6936	69	B3-U0-G1							
			VSQ-W	17062	131	B5-U0-G3	18420	142	B5-U0-G3	19389	149	B5-U0-G3	20358	157	B5-U0-G3		6771	68	B3-U0-G2							
			IIHS	12352	95	B1-U0-G2	13334	103	B1-U0-G3	14036	108	B1-U0-G3	14738	113	B1-U0-G3		4901	49	B1-U0-G2							
			II-FRHS	12564	97	B1-U0-G2	13564	104	B1-U0-G2	14277	110	B1-U0-G2	14992	115	B1-U0-G2		4986	50	B0-U0-G1							
			III-MHS	12496	96	B1-U0-G3	13490	104	B1-U0-G3	14199	109	B1-U0-G3	14910	115	B1-U0-G3		4959	50	B0-U0-G2							
			III-WHS	12231	94	B1-U0-G3	13204	102	B1-U0-G3	13899	107	B1-U0-G3	14594	112	B1-U0-G3		4853	49	B0-U0-G2							
			IV-HS	12907	99	B1-U0-G3	13934	107	B1-U0-G3	14667	113	B1-U0-G3	15400	118	B1-U0-G3		5122	51	B0-U0-G2							
			IV-FT-HS	12198	94	B1-U0-G3	13168	101	B1-U0-G3	13862	107	B1-U0-G4	14555	112	B1-U0-G4		4840	48	B0-U0-G2							
			120	525	192.0	II	24123	126	B3-U0-G3	26042	136	B3-U0-G3	27413	143	B3-U0-G4		28783	150	B4-U0-G4	152.0	7800	51	B2-U0-G2			
						II-FR	24284	126	B3-U0-G2	26216	137	B3-U0-G2	27596	144	B3-U0-G2		28975	151	B4-U0-G2		7853	52	B2-U0-G1			
						II-ML	24124	126	B4-U0-G4	26042	136	B4-U0-G4	27414	143	B4-U0-G4		28784	150	B5-U0-G5		7800	51	B3-U0-G3			
						III-M	24545	128	B3-U0-G4	26498	138	B3-U0-G4	27892	145	B3-U0-G4		29287	153	B3-U0-G4		7937	52	B2-U0-G2			
III-W	22789	119				B3-U0-G4	24603	128	B3-U0-G4	25897	135	B3-U0-G4	27192	142	B3-U0-G4	7368	48	B1-U0-G2								
IV	24360	127				B3-U0-G4	26298	137	B3-U0-G4	27682	144	B3-U0-G4	29066	151	B3-U0-G4	7876	52	B2-U0-G2								
IV-FT	22191	116				B3-U0-G4	23956	125	B3-U0-G4	25217	131	B3-U0-G4	26478	138	B3-U0-G4	7176	47	B1-U0-G2								
VSQ-N	25461	133				B4-U0-G2	27486	143	B5-U0-G2	28933	151	B5-U0-G2	30379	158	B5-U0-G2	8233	54	B3-U0-G1								
VSQ-M	24967	130				B5-U0-G3	26952	140	B5-U0-G3	28371	148	B5-U0-G3	29789	155	B5-U0-G3	8073	53	B3-U0-G2								
VSQ-W	24371	127				B5-U0-G4	26309	137	B5-U0-G4	27695	144	B5-U0-G4	29079	151	B5-U0-G4	7881	52	B3-U0-G2								
IIHS	17642	92				B1-U0-G3	19046	99	B1-U0-G3	20048	104	B1-U0-G4	21050	110	B2-U0-G4	5704	38	B1-U0-G2								
II-FRHS	17946	93				B1-U0-G2	19373	101	B1-U0-G2	20393	106	B1-U0-G2	21413	112	B1-U0-G2	5803	38	B1-U0-G1								
IIIM-HS	17848	93				B1-U0-G4	19268	100	B1-U0-G4	20282	106	B1-U0-G4	21296	111	B1-U0-G4	5772	38	B0-U0-G2								
IIIM-WHS	17470	91				B1-U0-G4	18860	98	B1-U0-G4	19852	103	B1-U0-G4	20844	109	B1-U0-G4	5649	37	B0-U0-G2								
IV-HS	18435	96				B1-U0-G3	19902	104	B1-U0-G4	20949	109	B1-U0-G4	21997	115	B1-U0-G4	5961	39	B0-U0-G2								
IV-FT-HS	17423	91				B1-U0-G4	18809	98	B1-U0-G4	19799	103	B1-U0-G4	20789	108	B1-U0-G4	5633	37	B0-U0-G2								
120	700	260.0				II	30656	118	B4-U0-G4	33094	127	B4-U0-G4	34836	134	B4-U0-G4	36578	141	B4-U0-G4	N/A		N/A					
						II-FR	30860	119	B4-U0-G2	33315	128	B4-U0-G2	35068	135	B4-U0-G2	36822	142	B4-U0-G2								
						II-ML	30657	118	B5-U0-G5	33095	127	B5-U0-G5	34837	134	B5-U0-G5	36579	141	B5-U0-G5								
						II-M	31191	120	B4-U0-G4	33673	130	B4-U0-G4	35445	136	B4-U0-G4	37217	143	B4-U0-G4								
			III-W	28960	111	B3-U0-G4	31265	120	B3-U0-G5	32909	127	B3-U0-G5	34555	133	B3-U0-G5											
			IV	30956	119	B4-U0-G4	33418	129	B4-U0-G4	35177	135	B4-U0-G4	36936	142	B4-U0-G4											
			IV-FT	28200	108	B3-U0-G4	30444	117	B3-U0-G5	32046	123	B3-U0-G5	33648	129	B3-U0-G5											
			VSQ-N	32356	124	B5-U0-G2	34929	134	B5-U0-G2	36768	141	B5-U0-G2	38606	148	B5-U0-G2											
			VSQ-M	31727	122	B5-U0-G4	34250	132	B5-U0-G4	36054	139	B5-U0-G4	37856	146	B5-U0-G4											
			VSQ-W	30971	119	B5-U0-G4	33434	129	B5-U0-G5	35194	135	B5-U0-G5	36953	142	B5-U0-G5											
			IIHS	22420	86	B2-U0-G4	24203	93	B2-U0-G4	25478	98	B2-U0-G4	26751	103	B2-U0-G4											
			II-FRHS	22806	88	B1-U0-G2	24619	95	B1-U0-G2	25916	100	B2-U0-G2	27212	105	B2-U0-G2											
			IIIM-HS	22682	87	B1-U0-G4	24485	94	B1-U0-G4	25774	99	B1-U0-G4	27063	104	B1-U0-G4											
			III-WHS	22201	85	B1-U0-G4	23967	92	B1-U0-G5	25228	97	B1-U0-G5	26489	102	B1-U0-G5											
			IV-HS	23428	90	B1-U0-G4	25291	97	B1-U0-G4	26622	102	B1-U0-G4	27953	108	B1-U0-G4											
			IV-FT-HS	22141	85	B1-U0-G5	23902	92	B1-U0-G5	25160	97	B1-U0-G5	26418	102	B1-U0-G5											
			120	875	329.0	II	36574	111	B4-U0-G4	39483	120	B4-U0-G4	41561	126	B4-U0-G4	43639	133	B4-U0-G5		N/A				N/A		
						II-FR	36818	112	B4-U0-G2	39746	121	B4-U0-G2	41838	127	B4-U0-G3	43930	134	B4-U0-G3								
						II-ML	36575	111	B5-U0-G5	39485	120	B5-U0-G5	41562	126	B5-U0-G5	43640	133	B5-U0-G5								
						III-M	37213	113	B4-U0-G4	40174	122	B4-U0-G5	42288	129	B4-U0-G5	44402	135	B4-U0-G5								
III-W	34552	105				B3-U0-G5	37300	113	B3-U0-G5	39263	119	B4-U0-G5	41226	125	B4-U0-G5											
IV	36932	112				B4-U0-G4	39870	121	B4-U0-G5	41969	128	B4-U0-G5	44067	134	B4-U0-G5											
IV-FT	33644	102				B3-U0-G5	36321	110	B3-U0-G5	38232	116	B4-U0-G5	40144	122	B4-U0-G5											
VSQ-N	38602	117				B5-U0-G2	41673	127	B5-U0-G2	43866	133	B5-U0-G2	46060	140	B5-U0-G2											
VSQ-M	37852	115				B5-U0-G4	40863	124	B5-U0-G4	43014	131	B5-U0-G4	45165	137	B5-U0-G4											
VSQ-W	36950	112				B5-U0-G5	39888	121	B5-U0-G5	41988	128	B5-U0-G5	44088	134	B5-U0-G5											
IIHS	26748	81				B2-U0-G4	28876	88	B2-U0-G4	30395	92	B2-U0-G4	31916	97	B2-U0-G5											
II-FRHS	27209	83				B2-U0-G2	29373	89	B2-U0-G2	30919	94	B2-U0-G2	32465	99	B2-U0-G3											
IIIM-HS	27060	82				B1-U0-G4	29213	89	B1-U0-G5	30750	93	B1-U0-G5	32287	98	B1-U0-G5											
III-WHS	26487	81				B1-U0-G5	28593	87	B1-U0-G5	30098	91	B1-U0-G5	31603	96	B1-U0-G5											
IV-HS	27951	85				B1-U0-G4	30174	92	B1-U0-G4	31762	97	B1-U0-G5	33350	101	B1-U0-G5											
IV-FT-HS	26416	80				B1-U0-G5	28517	87	B1-U0-G5	30018	91	B1-U0-G5	31519	96	B2-U0-G5											
120	1050	398.0				II	42039	106	B4-U0-G5	45383	114	B4-U0-G5	47771	120	B4-U0-G5	50160	126	B5-U0-G5	N/A		N/A					
						II-FR	42319	106	B4-U0-G3	45685	115	B4-U0-G3	48089	121	B4-U0-G3	50494	127	B4-U0-G3								
						II-ML	42040	106	B5-U0-G5	45384	114	B5-U0-G5	47773	120	B5-U0-G5	50161	126	B5-U0-G5								
						II-M	42774	107	B4-U0-G5	46177	116	B4-U0-G5	48606	122	B4-U0-G5	51037	128	B4-U0-G5								
			III-W	39714	100	B4-U0-G5	42873	108	B4-U0-G5	45130	113	B4-U0-G5	47387	119	B4-U0-G5											
			IV	42451	107	B4-U0-G5	45828	115	B4-U0-G5	48240	121	B4-U0-G5	50652	127	B4-U0-G5											
			IV-FT	38671	97	B4-U0-G5	41748	105	B4-U0-G5	43945	110	B4-U0-G5	46143	116	B4-U0-G5											
			VSQ-N	44370	111	B5-U0-G2	47899	120	B5-U0-G3	50421	127	B5-U0-G3	52942	133	B5-U0-G3											
			VSQ-M	43508	109	B5-U0-G4	46969	118	B5-U0-G4	49441	124	B5-U0-G4	51914	130	B5-U0-G5											
			VSQ-W	42471	107	B5-U0-G5	45849	115	B5-U0-G5	48262	121	B5-U0-G5	50676	127	B5-U0-G5											
			IIHS	30745	77	B2-U0-G4	33191	83	B2-U0-G5	34938	88	B2-U0-G5	36685	92	B2-U0-G5											
			II-FRHS	31274	79	B2-U0-G3	33761	85	B2-U0-G3	35539	89	B2-U0-G3	37315	93	B2-U0-G3											
			IIIM-HS	31104	78	B1-U0-G5	33578	84	B1-U0-G5	35345	89	B2-U0-G5	37112	93	B2-U0-G5											
			III-WHS	30444	76	B1-U0-G5	32866	83	B1-U0-G5	34596	87	B1-U0-G5	36325	91	B2-U0-G5											
			IV-HS	32127	81	B1-U0-G5	34683	87	B2-U0-G5	36508	92	B2-U0-G5	38333	96	B2-U0-G5											
			IV-FT-HS	30363	74	B1-U0-C5	32727	82	B2-U0-C5	34504	87	B2-U0-C5	36390	91	B2-U0-C5											

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:

R240840606T4-D1-COLOR-PG13

Type:**C1 POLE**

Notes:

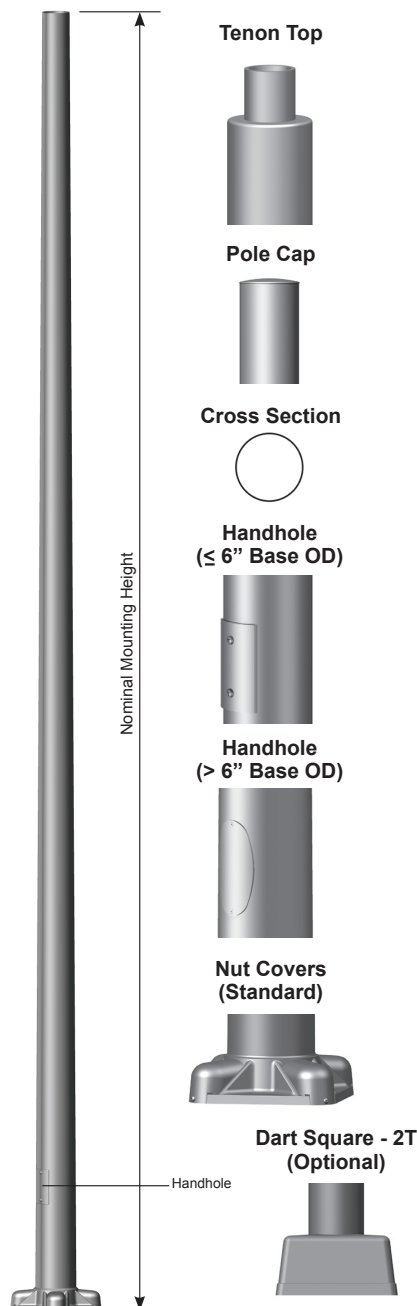
DIV-NJ23-159484



18' to 25' ROUND TAPERED ALUMINUM 4-Bolt Anchor Base

Job Name: _____		Client Name: _____	
Job Location - City: _____	State: _____	Created By: _____	Date: _____
Product: _____	Quote: _____	Customer Approval: _____	Date: _____

SPECIFICATIONS



Pole - The pole shaft is spun from seamless alloy aluminum.

Pole Top - A pole top tenon is provided for top mount luminaire and/or bracket. A removable pole cap is available for poles receiving drilling patterns for side-mount luminaire arm assemblies.

Handhole - A covered handhole with hardware and grounding provision are provided.

Base Cover - Optional Dart Square-2T cast and decorative base covers available as special order.

Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Finish - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

Poles - Aluminum

RTA / 4-Bolt Anchor Base

18' to 25'

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:

R240840606T4-D1-COLOR-PG13

Type:**C1 POLE**

Notes:

DIV-NJ23-159484

Poles - Aluminum

RTA / 4-Bolt Anchor Base

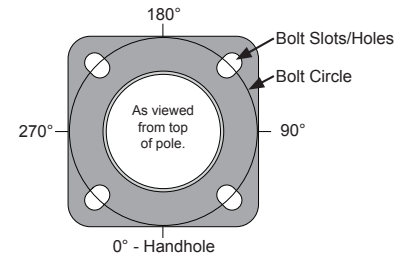
18' to 25'

18' to 25' ROUND TAPERED ALUMINUM 4-Bolt Anchor Base

valmont
 STRUCTURES

 Job Name: _____ Client Name: _____
 Job Location - City: _____ State: _____ Created By: _____ Date: _____
 Product: _____ Quote: _____ Customer Approval: _____ Date: _____
ANCHORAGE DATA

POLE		BASE PLATE				ANCHOR BOLTS			
BASE OD (IN)	WALL THK (IN)	BOLT CIRCLE		SQUARE	THK (IN)	DIA x LENGTH x HOOK (IN)		PROJECTION (IN)	± (IN)
		DIA (IN)	± (IN)						
5.00	0.125	8.63	0.88	9.61	0.630	0.75 x 17.00 x 3.00	3.25	N/A	
5.00	0.156	8.63	0.88	9.61	0.630	0.75 x 17.00 x 3.00	3.25	N/A	
5.00	0.188	8.63	0.88	9.61	0.630	0.75 x 17.00 x 3.00	3.25	N/A	
6.00	0.156	9.50	0.75	10.32	0.630	0.75 x 17.00 x 3.00	3.50	N/A	
6.00	0.188	9.50	0.75	10.32	0.630	0.75 x 17.00 x 3.00	3.50	N/A	
7.00	0.156	10.56	0.43	11.26	0.750	1.00 x 36.00 x 4.00	4.13	N/A	
8.00	0.156	11.63	0.37	12.05	0.750	1.00 x 36.00 x 4.00	4.13	N/A	
8.00	0.188	11.63	0.37	12.05	0.750	1.00 x 36.00 x 4.00	4.13	N/A	
9.00	0.156	13.25	0.75	12.48	1.250	1.00 x 36.00 x 4.00	4.13	N/A	

Anchor Base Detail**LOAD AND DIMENSIONAL DATA**

NOMINAL MOUNTING HEIGHT	DESIGN INFORMATION										POLE DIMENSIONS					
	70 MPH w/1.3 GUST		80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST		110 MPH w/1.3 GUST		POLE HEIGHT	BASE OD (IN)	TOP OD (IN)	WALL THK (IN)	STRUCTURE WEIGHT2 (LBS)	MODEL NUMBER
	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)	MAX EPA1 (SQ FT)	MAX WEIGHT (LBS)						
18'-0"	6.5	100	4.4	100	3.1	100	2.2	100	1.5	100	17'-8"	5.00	3.00	0.125	40	170830504T4
	8.6	100	6.0	100	4.3	100	3.2	100	2.4	100	17'-8"	5.00	3.00	0.156	48	170830505T4
	10.7	100	7.6	100	5.6	100	4.2	100	3.2	100	17'-8"	5.00	3.00	0.188	56	170830506T4
	15.4	100	11.3	100	8.6	100	6.8	100	5.5	100	17'-8"	6.00	4.00	0.156	59	170840605T4
	18.9	100	14.0	100	10.7	100	8.5	100	6.9	100	17'-8"	6.00	4.00	0.188	70	170840606T4
	24.2	150	17.9	150	13.8	150	10.9	150	8.9	150	17'-8"	7.00	4.00	0.156	66	170840705T4
20'-0"	5.1	100	3.3	100	2.1	100	1.3	100	0.8	100	19'-8"	5.00	3.00	0.125	42	190830504T4
	7.0	100	4.7	100	3.2	100	2.2	100	1.5	100	19'-8"	5.00	3.00	0.156	51	190830505T4
	8.8	100	6.1	100	4.3	100	3.1	100	2.3	100	19'-8"	5.00	3.00	0.188	60	190830506T4
	12.7	100	9.1	100	6.8	100	5.3	100	4.2	100	19'-8"	6.00	4.00	0.156	63	190840605T4
	15.8	100	11.4	100	8.6	100	6.8	100	5.4	100	19'-8"	6.00	4.00	0.188	74	190840606T4
	20.5	150	15.1	150	11.5	150	9.0	150	7.3	150	19'-8"	7.00	4.00	0.156	73	190840705T4
23'-0"	9.5	100	6.5	100	4.6	100	3.4	100	2.7	100	22'-8"	6.00	4.00	0.156	68	220840605T4
	12.1	100	8.5	100	6.2	100	4.7	100	3.7	100	22'-8"	6.00	4.00	0.188	80	220840606T4
	16.0	150	11.5	150	8.6	150	6.6	150	5.3	150	22'-8"	7.00	4.00	0.156	77	220840705T4
	22.4	150	16.5	150	12.7	150	10.0	150	8.1	150	22'-8"	8.00	4.50	0.156	87	220845805T4
	27.7	150	20.6	150	15.9	150	12.6	150	10.2	150	22'-8"	8.00	4.50	0.188	102	220845806T4
	29.9	150	22.3	150	17.3	150	13.7	150	11.1	150	22'-8"	9.00	4.50	0.156	97	220845905T4
25'-0"	7.8	100	5.1	100	3.5	100	2.5	100	1.9	100	24'-8"	6.00	4.00	0.156	74	+240840605T4
	10.0	100	6.9	100	4.8	100	3.6	100	2.8	100	24'-8"	6.00	4.00	0.188	88	240840606T4
	13.6	150	9.6	150	7.0	150	5.3	150	4.2	150	24'-8"	7.00	4.00	0.156	85	240840705T4
	19.4	150	14.2	150	10.8	150	8.5	150	6.8	150	24'-8"	8.00	4.50	0.156	96	240845805T4
	24.2	150	17.8	150	13.7	150	10.8	150	8.7	150	24'-8"	8.00	4.50	0.188	113	240845806T4
	26.2	150	19.4	150	15.0	150	11.8	150	9.5	150	24'-8"	9.00	4.50	0.156	107	240845905T4

- EPA represents the Effective Projected Area of each luminaire. Designs are limited to top mount or side-mount luminaires. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.
- Structure weight is a nominal value which includes the pole shaft and base plate.
+ Pole includes factory installed vibration damper.

PRODUCT ORDERING CODES

CROSS SECTION	MODEL NUMBER	FIXTURE MOUNTING	COLOR	OPTIONS
R			ADVISE	
R = Round				
	170830504T4 170830505T4 170830506T4 170840605T4 170840606T4 170840705T4 190830504T4 190830505T4 190840605T4 190840606T4 220840605T4 220840606T4 220840705T4 220845805T4	Drill Mounting D1 = 1 Luminaire D2 = 2 @ 180° D3 = 3 @ 120° D4 = 4 @ 90° D5 = 2 @ 90° D6 = 3 @ 90° Tenon Mounting P2 = 2.38" OD x 4.00" P3 = 3.50" OD x 6.00" P4 = 4.00" OD x 6.00" P5 = 2.88" OD x 4.00" P7 = 2.38" OD x 5.00" PQ = 2.38" OD x 12.00" PD = 3.00" OD x 3.00" -- = Plain Top P9 = Other Tenon (Contact Factory)	Polyester Powder DWH = White DSS = Sandstone BR = Burgundy HG = Hunter Green DNA = Natural Aluminum DCG = Charcoal Gray DMB = Medium Bronze SBN = Sanded Brown DNB = New Dark Bronze DDB = Dark Bronze SBK = Sanded Black DBL = Black DSB = Steel Blue DTG = Dark Green DBR = Red SC = Special Color (Contact Factory)	Anodized 204 = Clear Natural 311 = Light Bronze* 312 = Medium Bronze* 313 = Dark Bronze* 335 = Black* *Duranodic Anodize Brushed SBF = Satin Brushed
	220845806T4 240840605T4 240840606T4 240840705T4 240845805T4 240845806T4 240845905T4			See Accessories at valmontstructures.com (Please Specify with Code)

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-WM2-PLED-III-40LED-525MA-
 NW-VOLTAGE-FINISH-PG13

Notes:

Type:**D**

DIV-NJ23-159484

SOLID STATE AREA LIGHTING

RAZAR WALLMOUNT-LED

SPECIFICATIONS

OPTICAL HOUSING

Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling fins. The Optical Panel mounting surface is milled flat (surface variance $\leq \pm .003"$) to facilitate thermal transfer of heat to housing and cooling fins. The Optical Housing bolts to the Electrical Housing forming a unified assembly. The minimum wall thickness is .188".

ELECTRICAL HOUSING

Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly. Minimum wall thickness is .188". Fixture Mounting Plate affixes to mounting surface over a recessed j-box. Electrical Housing anchors on the top edge of the Mounting Plate and stainless steel recessed socket head screws tighten the Electrical Housing to the Mounting Plate from the bottom.

PLED™ OPTICAL MODULES

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. The asymmetric distributions, have a micro-reflector inside the refractor which re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce Type II, III, and Type IV site/area distributions as well as other specialty asymmetric distributions. Panels are field replaceable and field rotatable in 90° increments.

LED DRIVER(S)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED EMITTERS

High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

AMBER LED's

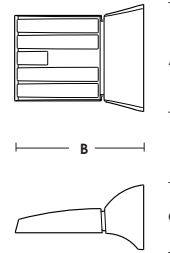
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. **TRA** (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

PROJECT NAME:

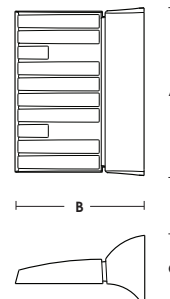
PROJECT TYPE:



FIXTURE	A	B	C
RZRW1	8.75" (22mm)	12" (305mm)	6" (152mm)
RZRW1-EM	11" (279mm)	14" (356mm)	6.5" (165mm)

RZR-WM1

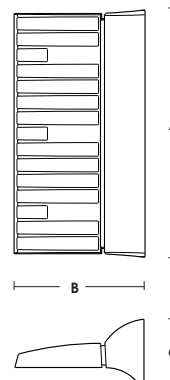
PATENT PENDING



FIXTURE	A	B	C
RZRW2	16" (406mm)	12" (305mm)	6" (152mm)
RZRW2-EM	16" (406mm)	14" (356mm)	6.5" (165mm)

RZR-WM2

PATENT PENDING



FIXTURE	A	B	C
RZRW3	23" (584mm)	12" (305mm)	6" (152mm)
RZRW3-EM	23" (584mm)	14" (356mm)	6.5" (165mm)

RZR-WM3

PATENT PENDING



2019093

U.S. Architectural Lighting

 660 West Avenue O, Palmdale, CA 93551
 Phone (661) 233-2000 Fax (661) 233-2001
 www.usalighting.com

U.S. ARCHITECTURAL
LIGHTING

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-WM2-PLD-III-40LED-525MA-
 NW-VOLTAGE-FINISH-PG13

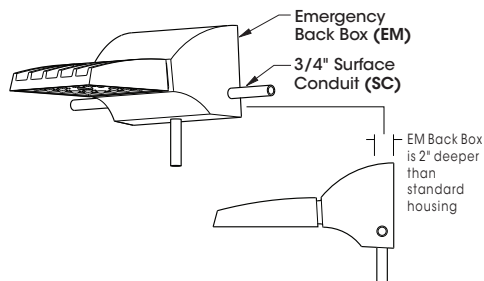
Notes:

Type:**D**

DIV-NJ23-159484

RAZAR WALLMOUNT SERIES-LED

SPECIFICATIONS

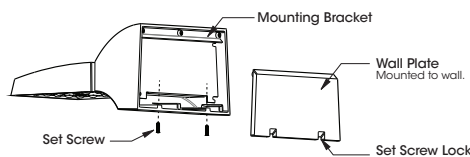
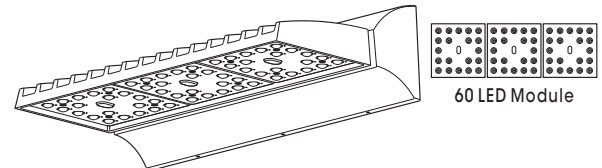
EMERGENCY OPTION

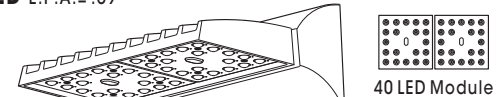
THE EMERGENCY OPTION BACK BOX EXTENDS 2" BEYOND THE STANDARD HOUSING AND CONTAINS THE EMERGENCY COMPONENTS (EC) INCLUDING BATTERIES OR CAN BE USED FOR SURFACE CONDUIT (SC) APPLICATIONS. THERE IS TO BE AN SC1, SC2, AND SC3 OPTION FOR THE DIFFERING HOUSING SIZES. SC SHIPS WITH THREADED CONDUIT PLUGS.

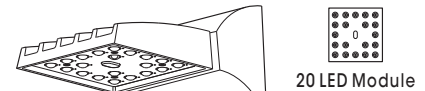
THE EM-LED SYSTEM PROVIDES POWER TO ALL LEDS IN THE ARRAY (20, 40, or 60) TO MEET THE FOLLOWING LIGHT LEVELS FOR A MINIMUM OF 90 MINUTES -

WM1 = 45% @ 350MA
 WM2 = 36% @ 350MA
 WM3 = 24% @ 350MA

*MULTIPLY THE % ABOVE BY THE LUMEN OUTPUT @ 350MA

WALL MOUNTING**PLED® MODULES**
RZR-WM3-LED E.P.A. = .69

 Available in:
 60 LED Module

RZR-WM2-LED E.P.A. = .47

 Available in:
 40 LED Module

RZR-WM1-LED E.P.A. = .33

 Available in:
 20 LED Module
MAX INPUT WATTAGE

# OF LED's	350mA	525mA	700mA	1050mA
60	68W	99W	131W	198W
40	45W	66W	87W	134W
20	23W	33W	44W	66W

Spec/Order Example: RZR-WM2/PLED-IV/40LED-700mA/CW/277/RAL-8019-S/SF

SPEC / ORDERING INFORMATION							
MODEL	OPTICS	LED MODE		VOLTAGE ADVISE	FINISH ADVISE	OPTIONS	
MODEL	OPTICS	LED MODE		VOLTAGE	FINISH	OPTIONS	
☐ RZR-WM1	PLED® DISTRIBUTION TYPE ☐ TYPE II PLED-II  ☐ TYPE II FRONT ROW PLED-II-FR 	NO. LEDs RZR-WM1 ☐ 20LED	DRIVE CURRENT ☐ 350mA ☒ 525mA ☐ 700mA ¹ ☐ 1050mA ¹	COLOR TEMP - CCT ☒ NW (4000K)* *STANDARD ☐ CW (5000K) ☐ WW (3000K) CONSULT FACTORY FOR OTHER LED COLORS AMBER ² ☐ PHOSPHOR CONVERTED AMBER PCA ☐ TRUE AMBER ³ TRA	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480	STANDARD TEXTURED FINISH ☐ BLACK RAL-9005-T ☐ WHITE RAL-9003-T ☐ GREY RAL-7004-T ☐ DARK BRONZE RAL-8019-T ☐ GREEN RAL-6005-T FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S) CONSULT FACTORY FOR CUSTOM COLORS	☐ HIGH-LOW DIMMING FOR EXTERNAL CONTROL . . . HLSW ☐ HOUSE SIDE SHIELDING HS-PLD ☐ PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) . . . PC+V ☐ SINGLE FUSE (120V & 277V) SF ☐ DOUBLE FUSE (208V & 240V) DF ☐ STEP DIM MOTION SENSOR (PROGRAMMED 50/100) MS-F211 ☐ REMOTE MOTION SENSOR CONFIGURATOR MS-FC10 ☐ EMERGENCY BACKUP 1 . . EM1 ☐ EMERGENCY BACKUP 1 (HOUSING ONLY) EMH1 ☐ EMERGENCY BACKUP 2 . EM2 ☐ EMERGENCY BACKUP 3 . EM3 ☐ SURFACE CONDUIT 1 . . SC1 ☐ SURFACE CONDUIT 2 . . SC2 ☐ SURFACE CONDUIT 3 . . SC3
☒ RZR-WM2	☒ TYPE III PLED-III  ☐ TYPE III WIDE PLED-III-W 	RZR-WM2 ☒ 40LED					
☐ RZR-WM3	☐ TYPE IV PLED-IV  ☐ TYPE IV-FT PLED-IV-FT 	RZR-WM3 ☐ 60LED					
NOTES: 1 - 700mA and 1050mA NOT FOR USE WITH TRA LEDs 2 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT 3 - AVAILABLE IN 350mA & 525mA DRIVE CURRENTS ONLY							

NOTES:
 1 - 700mA and 1050mA NOT FOR USE WITH TRA LED'S
 2 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT
 3 - AVAILABLE IN 350mA & 525mA DRIVE CURRENTS ONLY



RAZAR WALLMOUNT-LED LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)-TM21	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
20	LED	20 PLED® Optical Module - 350mA	2,706 - 2,993	2,571 - 2,843	2,841 - 3,143	60,000+	-20°F	22	120 277 347	0.19 0.08 0.07
20	LED	20 PLED® Optical Module - 525mA	3,897 - 4,310	3,702 - 4,095	4,092 - 4,526	60,000+	-20°F	33	120 277 347	0.28 0.12 0.10
20	LED	20 PLED® Optical Module - 700mA	4,942 - 5,466	4,695 - 5,193	5,189 - 5,739	60,000+	-20°F	44	120 277 347	0.37 0.16 0.13
20	LED	20 PLED® Optical Module - 1050mA	6,564 - 7,260	6,236 - 6,897	6,892 - 7,623	60,000+	-20°F	65	120 277 347	0.55 0.24 0.19
40	LED	40 PLED® Optical Module - 350mA	5,585 - 6,178	5,206 - 5,869	5,864 - 6,487	60,000+	-20°F	43	120 277 347	0.36 0.16 0.13
40	LED	40 PLED® Optical Module - 525mA	8,059 - 8,914	7,656 - 8,468	8,462 - 9,360	60,000+	-20°F	65	120 277 347	0.55 0.24 0.19
40	LED	40 PLED® Optical Module - 700mA	10,240 - 11,327	9,728 - 10,761	10,752 - 11,893	60,000+	-20°F	87	120 277 347	0.73 0.32 0.26
40	LED	40 PLED® Optical Module - 1050mA	13,642 - 15,089	12,690 - 14,335	14,324 - 15,843	60,000+	-20°F	129	120 277 347	1.08 0.47 0.38
60	LED	60 PLED® Optical Module - 350mA	8,118 - 8,979	7,712 - 8,530	8,524 - 9,428	60,000+	-20°F	65	120 277 347	0.55 0.24 0.19
60	LED	60 PLED® Optical Module - 525mA	11,690 - 12,930	11,106 - 12,284	12,275 - 13,577	60,000+	-20°F	98	120 277 347	0.82 0.36 0.29
60	LED	60 PLED® Optical Module - 700mA	14,825 - 16,398	14,084 - 15,578	15,566 - 17,218	60,000+	-20°F	131	120 277 347	1.09 0.47 0.38
60	LED	60 PLED® Optical Module - 1050mA	19,691 - 21,780	18,706 - 20,691	20,676 - 22,869	60,000+	-20°F	193	120 277 347	1.61 0.70 0.56

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components.
5. L70(10K) - TM-21 6x rule applied
L70(10K) - Calculated = 244,000 @ 700mA
= 102,000 @ 1050mA

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.



Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-WM2-PLD-IV-40LED-525MA-
 NW-VOLTAGE-FINISH-PG13

Notes:

Type:**E**

DIV-NJ23-159484

SOLID STATE AREA LIGHTING

RAZAR WALLMOUNT-LED

S P E C I F I C A T I O N S

OPTICAL HOUSING

Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling fins. The Optical Panel mounting surface is milled flat (surface variance $\leq \pm .003"$) to facilitate thermal transfer of heat to housing and cooling fins. The Optical Housing bolts to the Electrical Housing forming a unified assembly. The minimum wall thickness is .188".

ELECTRICAL HOUSING

Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly. Minimum wall thickness is .188". Fixture Mounting Plate affixes to mounting surface over a recessed j-box. Electrical Housing anchors on the top edge of the Mounting Plate and stainless steel recessed socket head screws tighten the Electrical Housing to the Mounting Plate from the bottom.

PLED™ OPTICAL MODULES

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. The asymmetric distributions, have a micro-reflector inside the refractor which re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce Type II, III, and Type IV site/area distributions as well as other specialty asymmetric distributions. Panels are field replaceable and field rotatable in 90° increments.

LED DRIVER(S)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED EMITTERS

High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

AMBER LED's

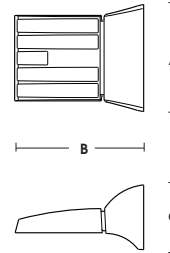
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. **TRA** (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

PROJECT NAME: _____

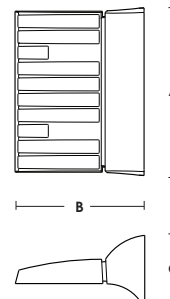
PROJECT TYPE: _____



FIXTURE	A	B	C
RZRW1	8.75" (22mm)	12" (305mm)	6" (152mm)
RZRW1-EM	11" (279mm)	14" (356mm)	6.5" (165mm)

RZR-WM1

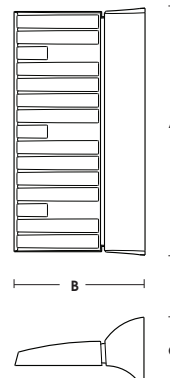
PATENT PENDING



FIXTURE	A	B	C
RZRW2	16" (406mm)	12" (305mm)	6" (152mm)
RZRW2-EM	16" (406mm)	14" (356mm)	6.5" (165mm)

RZR-WM2

PATENT PENDING



FIXTURE	A	B	C
RZRW3	23" (584mm)	12" (305mm)	6" (152mm)
RZRW3-EM	23" (584mm)	14" (356mm)	6.5" (165mm)

RZR-WM3

PATENT PENDING



2019093

U.S. Architectural Lighting

 660 West Avenue O, Palmdale, CA 93551
 Phone (661) 233-2000 Fax (661) 233-2001
 www.usalighting.com

U.S. ARCHITECTURAL
LIGHTING

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-WM2-PLED-IV-40LED-525MA-
 NW-VOLTAGE-FINISH-PG13

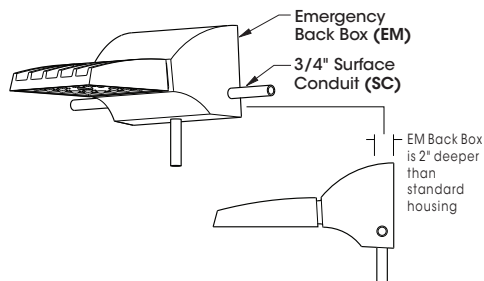
Notes:

Type:**E**

DIV-NJ23-159484

RAZAR WALLMOUNT SERIES-LED

SPECIFICATIONS

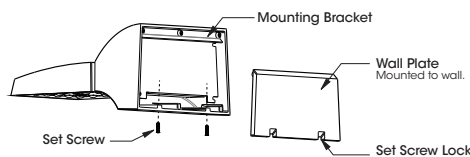
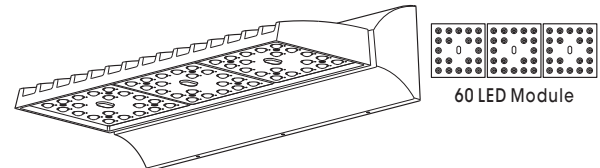
EMERGENCY OPTION

THE EMERGENCY OPTION BACK BOX EXTENDS 2" BEYOND THE STANDARD HOUSING AND CONTAINS THE EMERGENCY COMPONENTS (EC) INCLUDING BATTERIES OR CAN BE USED FOR SURFACE CONDUIT (SC) APPLICATIONS. THERE IS TO BE AN SC1, SC2, AND SC3 OPTION FOR THE DIFFERING HOUSING SIZES. SC SHIPS WITH THREADED CONDUIT PLUGS.

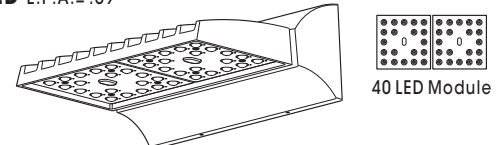
THE EM-LED SYSTEM PROVIDES POWER TO ALL LEDS IN THE ARRAY (20, 40, or 60) TO MEET THE FOLLOWING LIGHT LEVELS FOR A MINIMUM OF 90 MINUTES -

WM1 = 45% @ 350MA
 WM2 = 36% @ 350MA
 WM3 = 24% @ 350MA

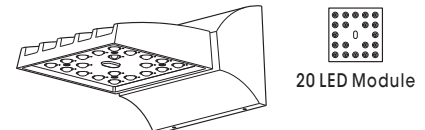
*MULTIPLY THE % ABOVE BY THE LUMEN OUTPUT @ 350MA

WALL MOUNTING**PLED® MODULES**

60 LED Module

RZR-WM3-LED E.P.A. = .69
 Available in:
 60 LED Module


40 LED Module

RZR-WM2-LED E.P.A. = .47
 Available in:
 40 LED Module


20 LED Module

RZR-WM1-LED E.P.A. = .33
 Available in:
 20 LED Module
MAX INPUT WATTAGE

# OF LED's	350mA	525mA	700mA	1050mA
60	68W	99W	131W	198W
40	45W	66W	87W	134W
20	23W	33W	44W	66W

Spec/Order Example: RZR-WM2/PLED-IV/40LED-700mA/CW/277/RAL-8019-S/SF

SPEC / ORDERING INFORMATION					
MODEL	OPTICS	LED MODE	VOLTAGE ADVISE	FINISH ADVISE	OPTIONS
MODEL	OPTICS	LED MODE	VOLTAGE	FINISH	OPTIONS
☐ RZR-WM1	☐ TYPE II PLED-II	NO. LED's RZR-WM1 ☐ 20LED	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480	☐ BLACK RAL-9005-T ☐ WHITE RAL-9003-T ☐ GREY RAL-7004-T ☐ DARK BRONZE RAL-8019-T ☐ GREEN RAL-6005-T	☐ HIGH-LOW DIMMING FOR EXTERNAL CONTROL... HSLW ☐ HOUSE SIDE SHIELDING... HS-PLED ☐ PHOTO CELL + VOLTAGE (EXAMPLE: PC120V)... PC+V ☐ SINGLE FUSE (120V & 277V)... SF ☐ DOUBLE FUSE (208V & 240V)... DF ☐ STEP DIM MOTION SENSOR (PROGRAMMED 50/100)... MS-F211 ☐ REMOTE MOTION SENSOR CONFIGURATOR... MS-FC10
	☐ TYPE II FRONT ROW PLED-II-FR	DRIVE CURRENT ☐ 350mA ☒ 525mA ☐ 700mA ¹ ☐ 1050mA ¹			
☒ RZR-WM2	☐ TYPE III PLED-III	RZR-WM2 ☒ 40LED	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480	☐ BLACK RAL-9005-T ☐ WHITE RAL-9003-T ☐ GREY RAL-7004-T ☐ DARK BRONZE RAL-8019-T ☐ GREEN RAL-6005-T	☐ EMERGENCY BACKUP 1... EM1 ☐ EMERGENCY BACKUP 1 (HOUSING ONLY)... EMH1 ☐ EMERGENCY BACKUP 2... EM2 ☐ EMERGENCY BACKUP 3... EM3 ☐ SURFACE CONDUIT 1... SC1 ☐ SURFACE CONDUIT 2... SC2 ☐ SURFACE CONDUIT 3... SC3
☐ RZR-WM3	☐ TYPE III WIDE PLED-III-W	CONSULT FACTORY FOR OTHER LED COLORS AMBER ² ☐ PHOSPHOR CONVERTED AMBER PCA ☐ TRUE AMBER ³ TRA			
	☒ TYPE IV PLED-IV	RZR-WM3 ☐ 60LED			
	☐ TYPE IV-FT PLED-IV-FT				

NOTES:
 1 - 700mA and 1050mA NOT FOR USE WITH TRA LED'S
 2 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT
 3 - AVAILABLE IN 350mA & 525mA DRIVE CURRENTS ONLY

FOR SMOOTH FINISH
 REPLACE SUFFIX "T"
 WITH SUFFIX "S"
 (EXAMPLE: RAL-9005-S)

CONSULT FACTORY
 FOR CUSTOM COLORS



RAZAR WALLMOUNT-LED LAMP/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)-TM21	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
20	LED	20 PLED® Optical Module - 350mA	2,706 - 2,993	2,571 - 2,843	2,841 - 3,143	60,000+	-20°F	22	120 277 347	0.19 0.08 0.07
20	LED	20 PLED® Optical Module - 525mA	3,897 - 4,310	3,702 - 4,095	4,092 - 4,526	60,000+	-20°F	33	120 277 347	0.28 0.12 0.10
20	LED	20 PLED® Optical Module - 700mA	4,942 - 5,466	4,695 - 5,193	5,189 - 5,739	60,000+	-20°F	44	120 277 347	0.37 0.16 0.13
20	LED	20 PLED® Optical Module - 1050mA	6,564 - 7,260	6,236 - 6,897	6,892 - 7,623	60,000+	-20°F	65	120 277 347	0.55 0.24 0.19
40	LED	40 PLED® Optical Module - 350mA	5,585 - 6,178	5,206 - 5,869	5,864 - 6,487	60,000+	-20°F	43	120 277 347	0.36 0.16 0.13
40	LED	40 PLED® Optical Module - 525mA	8,059 - 8,914	7,656 - 8,468	8,462 - 9,360	60,000+	-20°F	65	120 277 347	0.55 0.24 0.19
40	LED	40 PLED® Optical Module - 700mA	10,240 - 11,327	9,728 - 10,761	10,752 - 11,893	60,000+	-20°F	87	120 277 347	0.73 0.32 0.26
40	LED	40 PLED® Optical Module - 1050mA	13,642 - 15,089	12,690 - 14,335	14,324 - 15,843	60,000+	-20°F	129	120 277 347	1.08 0.47 0.38
60	LED	60 PLED® Optical Module - 350mA	8,118 - 8,979	7,712 - 8,530	8,524 - 9,428	60,000+	-20°F	65	120 277 347	0.55 0.24 0.19
60	LED	60 PLED® Optical Module - 525mA	11,690 - 12,930	11,106 - 12,284	12,275 - 13,577	60,000+	-20°F	98	120 277 347	0.82 0.36 0.29
60	LED	60 PLED® Optical Module - 700mA	14,825 - 16,398	14,084 - 15,578	15,566 - 17,218	60,000+	-20°F	131	120 277 347	1.09 0.47 0.38
60	LED	60 PLED® Optical Module - 1050mA	19,691 - 21,780	18,706 - 20,691	20,676 - 22,869	60,000+	-20°F	193	120 277 347	1.61 0.70 0.56

NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components.
5. L70(10K) - TM-21 6x rule applied
L70(10K) - Calculated = 244,000 @ 700mA
= 102,000 @ 1050mA

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.



Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLD-III-W-120LED-525MA-40K-
 VOLTAGE-1-FINISH-HS-PLD-PG13
Notes:**Type:****C2**

DIV-NJ23-159484

AREA & ROADWAY LIGHTING

RAZAR SERIES - LED

LOW PROFILE AREA LUMINAIRE

Optical Housing

Heavy cast, low copper aluminum assembly (A356 alloy, <.2% copper) minimum wall thickness .188". LED Module mounting area is machined to within a 0.002" surface flatness variance for maximum surface contact and thermal conductivity from the LED modules to the radiating fins. Passive radiating fins above the LED Optics provide superior thermal management and long LED life. The optical and electrical compartments are integrated with the support arm to create one assembly. Cast and hinged driver compartment cover allows access to the drivers and wiring.

Electrical Housing w/ Integrated Arm

Heavy cast low copper aluminum (A356 alloy; <0.2% copper) assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly. Minimum wall thickness is .188". Cast and hinged driver assembly cover is integrated with wiring compartment cover.

PLED® Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED Driver(s)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50, 60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

LED Emitters

High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

Amber LED's

TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish

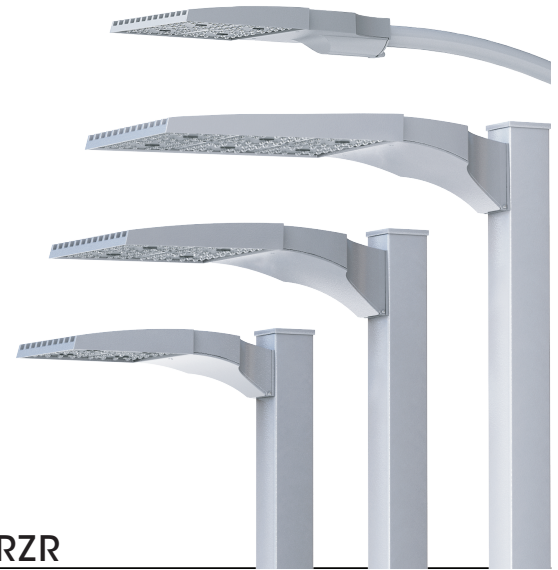
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

Mast Arm Fitter/Electrical Housing

Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +1.5 or +3° up from the horizontal. All hardware is stainless steel.

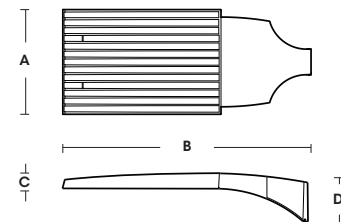
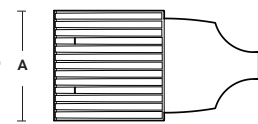
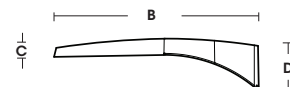
PROJECT NAME:

PROJECT TYPE:

**RZR**

(MODELS: RZRM, RZR, RZR-G & RZR-MAF*)

PATENT PENDING

RZR-G**RZR, RZRM & RZR-MAF* (Top View)****RZR & RZRM****RZR-MAF***

FIXTURE	A	B	C	D
RZR-G	15" 381mm	36.5" 927mm	3" 76mm	7" 187mm
RZR	14.75" 375mm	28.25" 718mm	2.75" 70mm	6.5" 165mm
RZRM	11.5" 292mm	22" 559mm	2.5" 64mm	5.25" 133mm
RZR-MAF	15" 381mm	28.25" 724mm	2.5" 64mm	4" 102mm



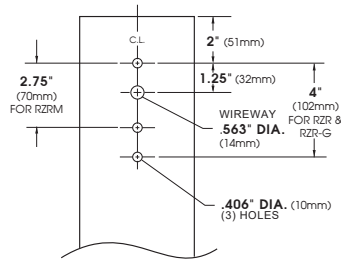
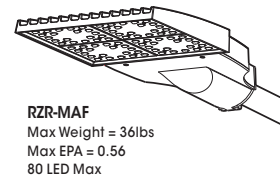
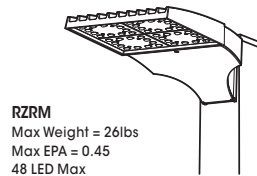
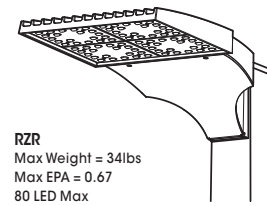
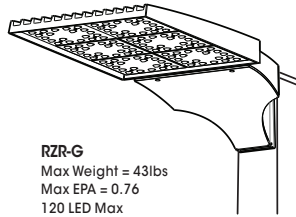
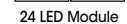
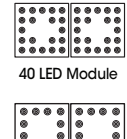
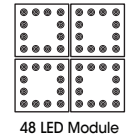
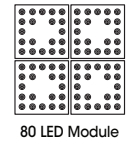
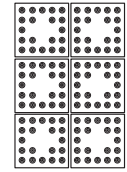
2022158

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLD-III-W-120LED-525MA-40K-
 VOLTAGE-1-FINISH-HS-PLD-PG13

Notes:

Type:**C2**

DIV-NJ23-159484

RZR SERIES - LED**SPECIFICATIONS****POLE DRILLING TEMPLATE****EPA & WEIGHT****PLED™ MODULES****ORDERING INFORMATION**

Spec/Order Example: RZR/PLED-IV/80LED-700mA/CW/277/RAL-8019-S

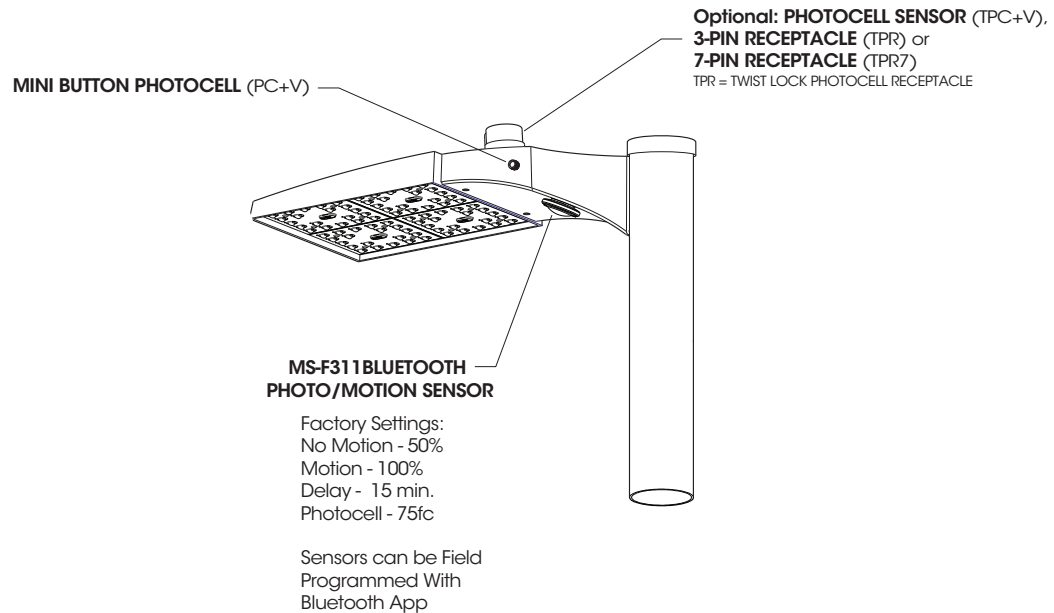
Luminaire	Optics	LED Mode		Voltage	Mounting	Finish	Options
Luminaire	Optics	LED		Voltage	Mounting	Finish	Options
☐ RZR-G	PLED™ Distribution Type ☐ Type II PLED-II ☐ Type II Front Row PLED-II-FR ☐ Type III Median Illuminator PLED-II-MIL ☐ Type III Med. PLED-III ☒ Type III Wide PLED-III-W ☐ Type IV PLED-IV ☐ Type IV PLED-IV-FT ☐ Type V Narrow PLED-VSQ-N ☐ Type V Med. PLED-V-SQ-M ☐ Type V Wide PLED-V-SQ-W	# of LEDs RZR-G ☒ 120LED ☐ 80LED RZR/RZR-MAF ☐ 80LED ☐ 40LED RZRM ☐ 48LED ☐ 24LED	Drive Current ☐ 1050mA¹ ☐ 875mA¹ ☐ 700mA¹ ☒ 525mA ☐ 350mA ☐ TRA True Amber² Consult Factory for Other LED Color, CCT, & CRI Options NOTES: 1 - 700mA and 1050mA not for use with TRA LED's 2 - Available in 350mA & 525mA drive currents only Consult Factory for Other Drive Currents	☐ 120 ☐ 208 ☐ 240 ☐ 277 ☐ 347 ☐ 480	Arm Mount ☒ 1 ☐ 2-180 ☐ 2-90 ☐ 3-90 ☐ 3-120 ☐ 4-90 Wall Mount ☐ WM WM - Wall Mount provided with mounting bracket and cover.	Standard Textured Finish ☐ Black RAL-9005-T ☐ White RAL-9003-T ☐ Grey RAL-7004-T ☐ Dark Bronze RAL-8019-T ☐ Green RAL-6005-T Premium Finishes ☐ Rust ☐ Patina Copper PC For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors	☐ Internal House Side Shield inc. LED Count (Example: HS-PLD/48) HS-PLD ☐ External Glare Shield 4 Sided EGS4 ☐ External Glare Shield 3 Sided Rear Wedge EGS3W ☐ Round Pole Adapter RPA ☐ Twist Lock Receptable Only TPR ☐ 7-Pin Twist Lock Receptable Only TPR7 ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) HLSW ☐ Twist Lock Photocell + Voltage (Example: TPC347V) TPC+V ☐ Photo Cell + Voltage (Example: PC120V) PC+V ☐ Single Fuse (120V, 277V) SF ☐ Double Fuse (208V, 240V) DF ☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75lc) MS-F311

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLED-III-W-120LED-525MA-40K-
 VOLTAGE-1-FINISH-HS-PLED-PG13
Notes:**Type:****C2**

DIV-NJ23-159484

RZR SERIES - LED

OPTIONS



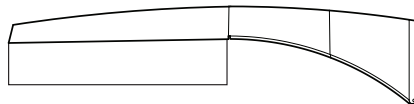
High Low Dimming For Switches (HLSW)

The HLSW is a Small Electronic Switch which Provides High Low Dimming Control Through the LED Driver's 0-10V Control. Switching is Done by Adding a Secondary AC Switched Hot Trigger Line to the HLSW in Addition to the Normal AC Power Line. When the Secondary Trigger Line is Powered, the Fixture will go to 100% Dimming. With no Power to the Trigger, the Fixture will operate at 50% or 25% Dimming. Switches for the Trigger Line can be a Normal AC Switch/Breaker or Timed Switch/Breaker.

Wireless and Other Fixture Controls

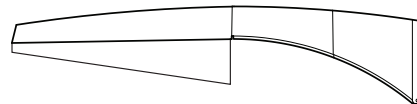
Contact Factory for Wireless and Other Fixture Controls and Recommendations. Most Controls Can be Integrated and Factory Installed.

EXTERNAL GLARE SHIELDS



EGS4 - 4 Sided Shield

Minimum Cutoff = 12°
 Average Cutoff = 23°



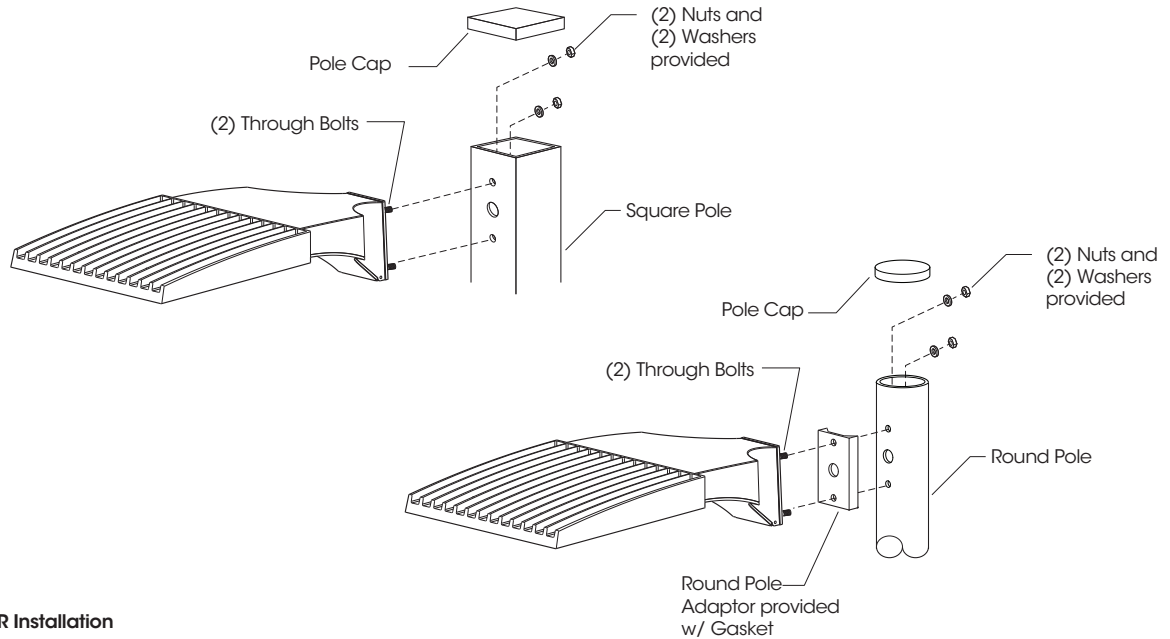
EGS3W - 3 Sided Shield

Minimum Rear Cutoff = 12°
 Average Rear Cutoff = 23°
 Minimum Side Cutoff = 4°
 Average Side Cutoff = 16°

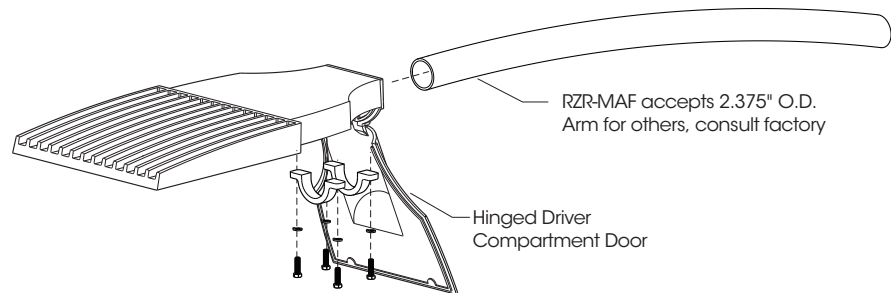
Glare Shields are rotatable on RZR and RZRM. Consult factory for custom applications.

RZR SERIES - LED

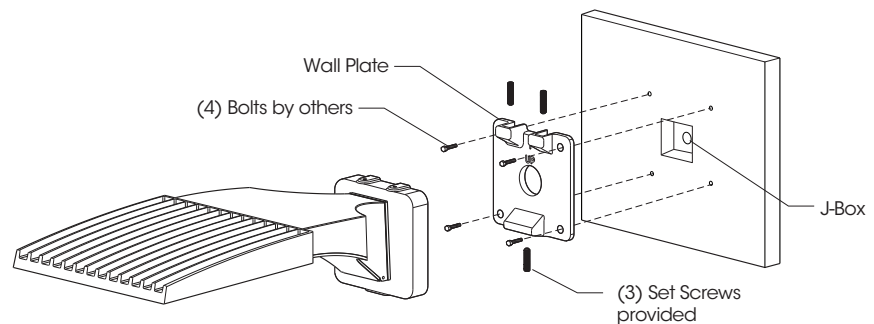
INSTALLATION DETAIL



RZR-MAF Installation



RZR-WM Installation



Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:
 RZR-G-PLED-III-W-120LED-525MA-40K-
 VOLTAGE-1-FINISH-HS-PLED-PG13

Notes:

Type:**C2**

DIV-NJ23-159484

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000 (10x Test Time Calculated)	L94	0.94x
100,000 (Theoretical Calculated)	L92	0.92x
150,000 (Theoretical Calculated)	L89	0.89x

 Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)
 TM-21 6x Test Time Dictates that L94 > 60,000 Hours.

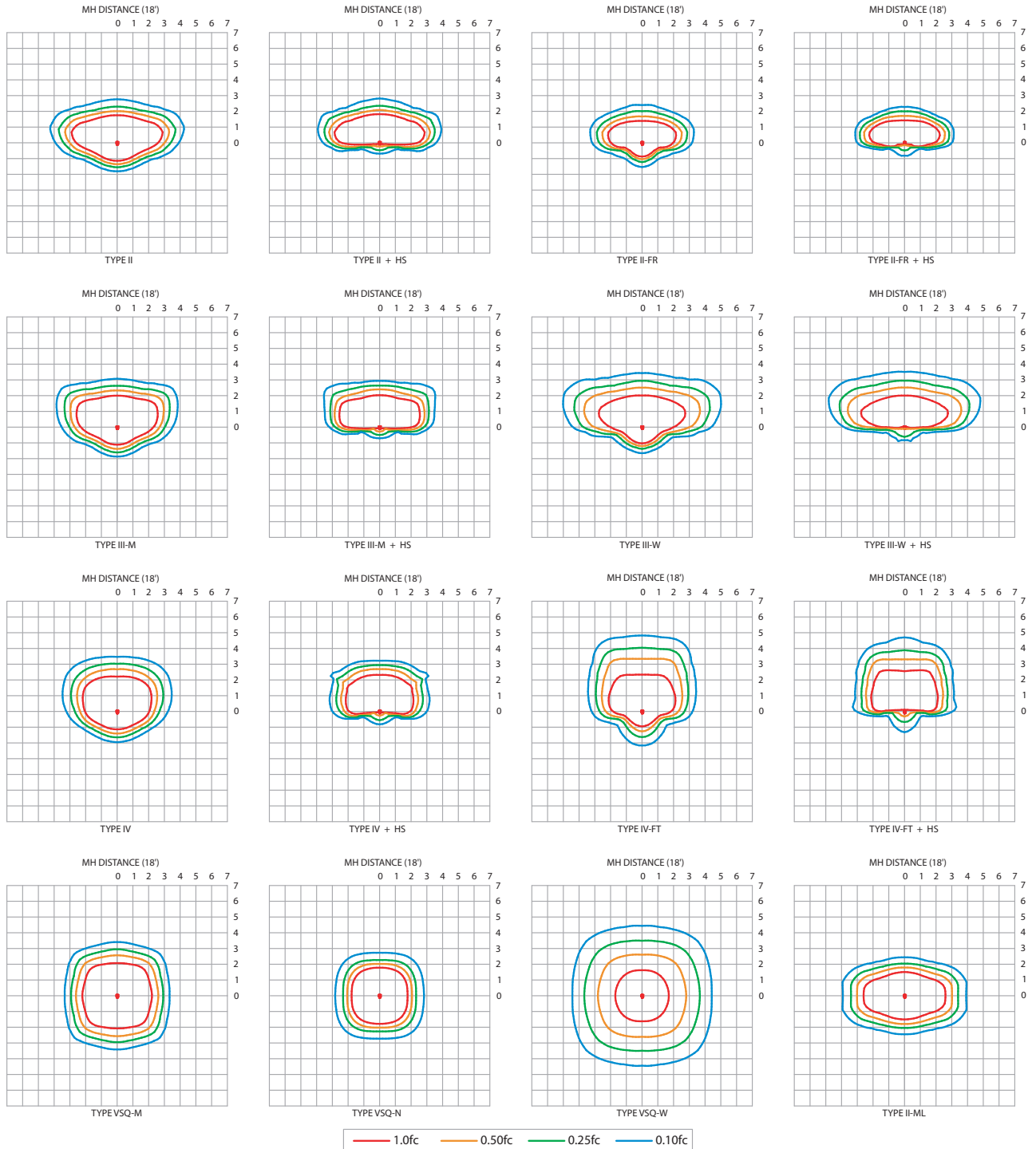
ELECTRICAL DATA GUIDE - AMPERAGE CHARTS

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
24	350	28	0.24	0.14	0.10	0.08	0.06
24	525	42	0.35	0.20	0.15	0.12	0.09
24	700	56	0.47	0.27	0.20	0.16	0.12
24	875	68	0.57	0.33	0.24	0.20	0.14
24	1050	82	0.68	0.39	0.30	0.24	0.17
48	350	53	0.44	0.25	0.19	0.15	0.11
48	525	79	0.66	0.38	0.29	0.23	0.16
48	700	105	0.88	0.51	0.38	0.30	0.22
48	875	132	1.10	0.63	0.48	0.38	0.27
48	1050	160	1.33	0.77	0.58	0.46	0.33
40	350	43	0.36	0.21	0.15	0.12	0.09
40	525	65	0.54	0.31	0.23	0.19	0.13
40	700	87	0.72	0.42	0.31	0.25	0.18
40	875	108	0.90	0.52	0.39	0.31	0.23
40	1050	128	1.07	0.62	0.46	0.37	0.27
80	350	85	0.71	0.41	0.31	0.25	0.18
80	525	129	1.08	0.62	0.47	0.37	0.27
80	700	174	1.45	0.83	0.63	0.50	0.36
80	875	216	1.80	1.04	0.78	0.62	0.45
80	1050	256	2.14	1.23	0.93	0.74	0.53
120	350	130	1.08	0.63	0.47	0.37	0.27
120	525	192	1.60	0.92	0.69	0.55	0.40
120	700	260	2.17	1.25	0.94	0.75	0.54
120	875	329	2.74	1.58	1.19	0.95	0.69
120	1050	398	3.32	1.91	1.44	1.15	0.83

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

RZRM-PLED-48LED-700mA-40K - 18' Pole Height



IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

U.S. Pole Company Inc.
 An Employee Owned Company

660 West Avenue O, Palmdale, CA 93551
 Phone (661) 233-2000 www.usaltg.com

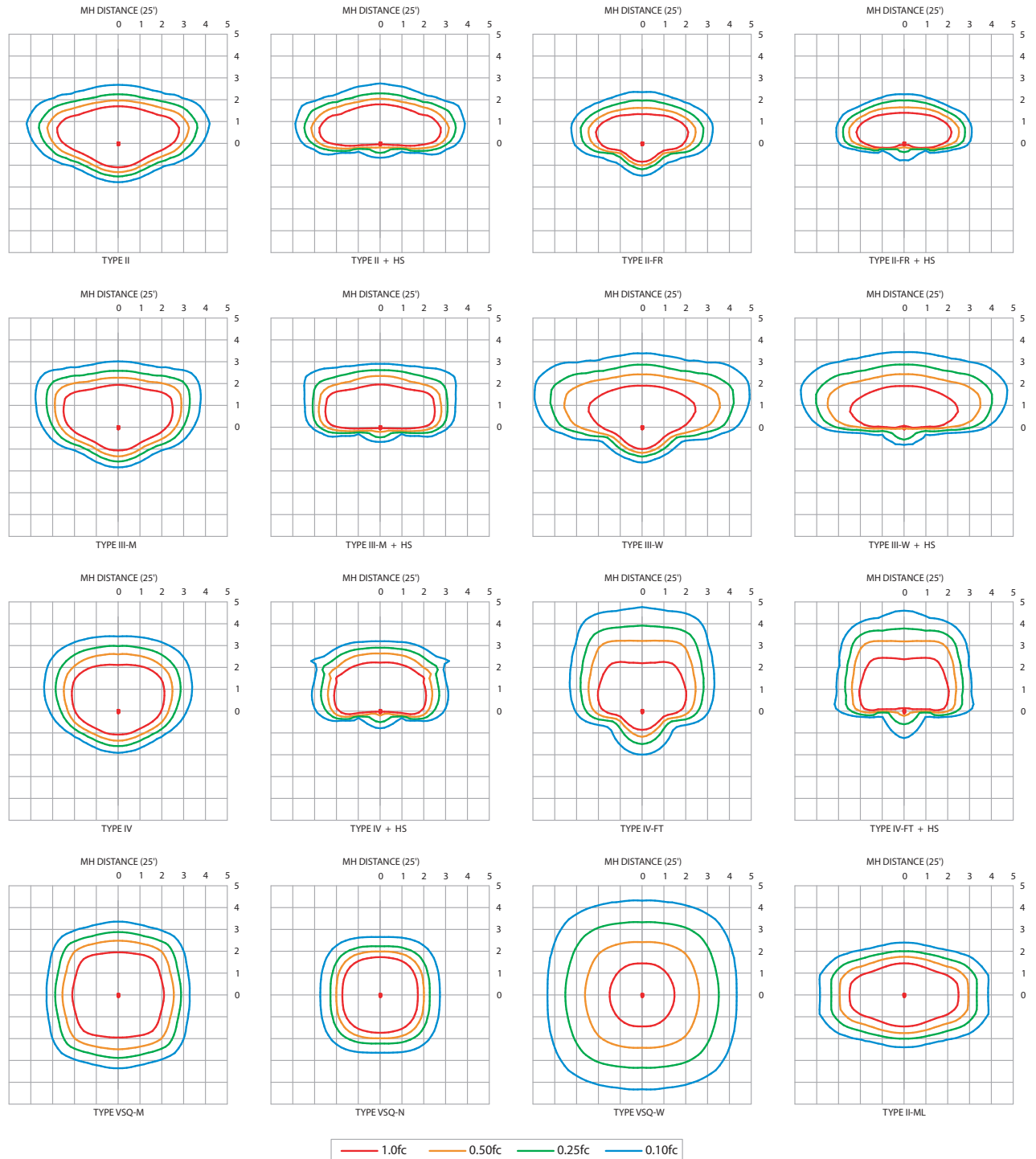
MADE IN THE
USA

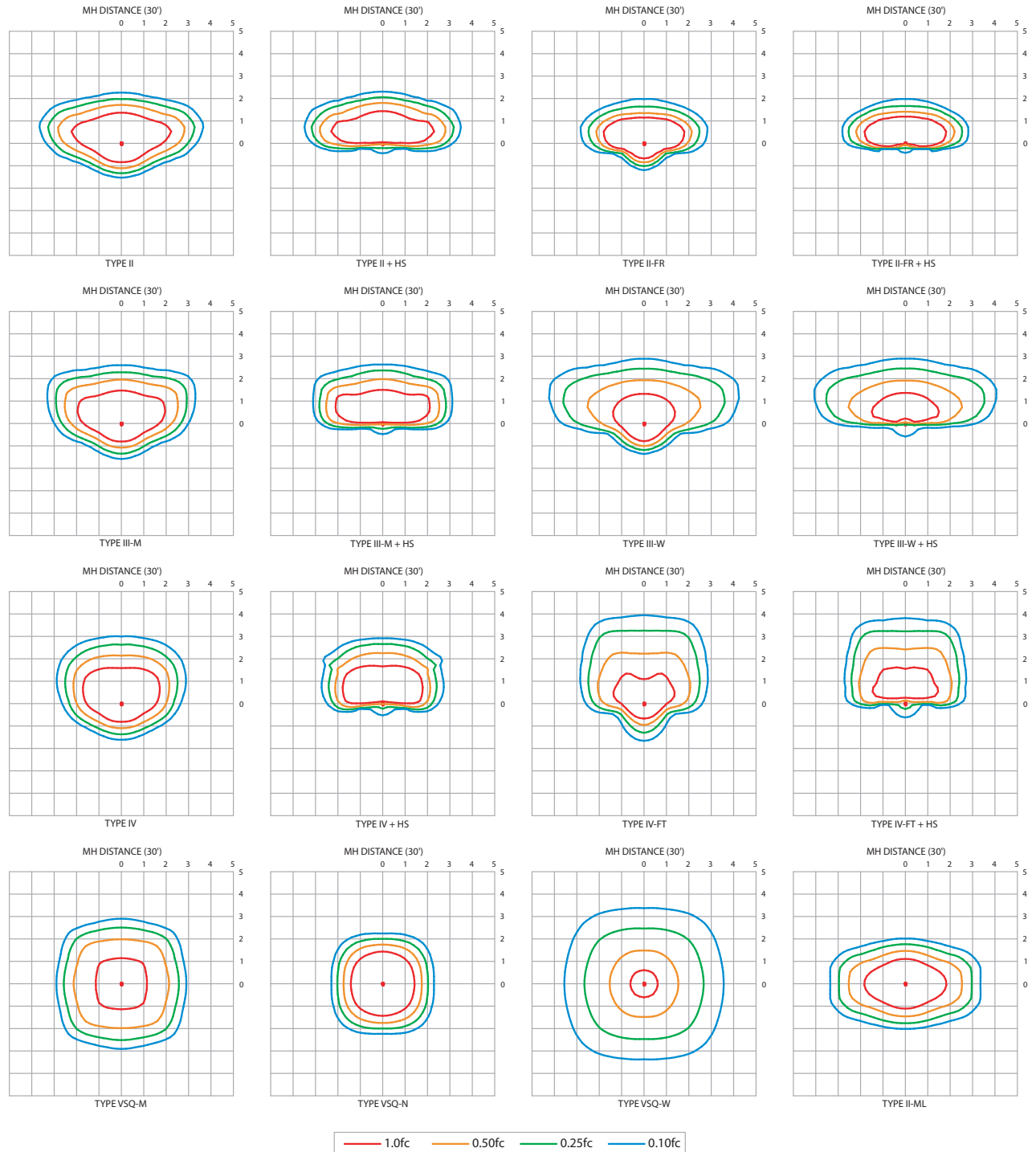
U.S. ARCHITECTURAL
LIGHTING

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

RZR-PLED-80LED-700mA-40K - 25' Pole Height


 IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

RZR SERIES - LED**PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS****RZRG-PLED-120LED-700mA-40K 30' Pole Height**
 IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRM-PLED)

RZR-M-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
48	350	52.5	II	6836	130	B2-U0-G2	7380	141	B2-U0-G2	7769	148	B2-U0-G2	8157	155	B2-U0-G2	41.0	2713	66	B1-U0-G1
			II-FR	6882	131	B2-U0-G1	7430	142	B2-U0-G1	7821	149	B2-U0-G1	8212	156	B2-U0-G1		2731	67	B1-U0-G1
			II-ML	6837	130	B3-U0-G3	7380	141	B3-U0-G3	7769	148	B3-U0-G3	8157	155	B3-U0-G3		2713	66	B1-U0-G1
			II-M	6956	132	B2-U0-G2	7509	143	B2-U0-G2	7905	151	B2-U0-G2	8300	158	B2-U0-G2		2760	67	B1-U0-G1
			II-W	6459	123	B1-U0-G2	6972	133	B1-U0-G2	7339	140	B1-U0-G2	7706	147	B1-U0-G2		2563	63	B1-U0-G1
			IV	6903	131	B2-U0-G2	7453	142	B2-U0-G2	7845	149	B2-U0-G2	8237	157	B2-U0-G2		2740	67	B1-U0-G1
			IV-FT	6289	120	B1-U0-G2	6789	129	B1-U0-G2	7146	136	B1-U0-G2	7503	143	B2-U0-G2		2496	61	B1-U0-G1
			VSQ-N	7216	137	B2-U0-G1	7790	148	B2-U0-G1	8200	156	B3-U0-G1	8610	164	B3-U0-G1		2864	70	B1-U0-G0
			VSQ-M	7076	135	B3-U0-G1	7639	146	B3-U0-G2	8041	153	B3-U0-G2	8443	161	B3-U0-G2		2808	68	B2-U0-G1
			VSQ-W	6907	132	B3-U0-G2	7456	142	B3-U0-G2	7849	150	B3-U0-G2	8242	157	B3-U0-G2		2741	67	B2-U0-G1
			II-HS	5000	95	B1-U0-G2	5398	103	B1-U0-G2	5682	108	B1-U0-G2	5966	114	B1-U0-G2		1984	48	B0-U0-G1
			II-FR-HS	5087	97	B0-U0-G1	5491	105	B0-U0-G1	5780	110	B1-U0-G1	6069	116	B1-U0-G1		2018	49	B0-U0-G0
			II-M-HS	5059	96	B0-U0-G2	5461	104	B0-U0-G2	5748	109	B0-U0-G2	6036	115	B0-U0-G2		2007	49	B0-U0-G1
			II-W-HS	4952	94	B0-U0-G2	5345	102	B0-U0-G2	5627	107	B0-U0-G2	5908	113	B0-U0-G2		1965	48	B0-U0-G1
			IV-HS	5224	100	B0-U0-G2	5640	107	B0-U0-G2	5937	113	B0-U0-G2	6234	119	B0-U0-G2		2074	51	B0-U0-G1
			IV-FT-HS	4938	94	B0-U0-G2	5330	102	B0-U0-G2	5611	107	B0-U0-G2	5892	112	B0-U0-G2		1960	48	B0-U0-G1
48	525	79.0	II	9720	123	B2-U0-G2	10493	133	B2-U0-G2	11046	140	B2-U0-G2	11598	147	B2-U0-G2	62.0	3143	51	B1-U0-G1
			II-FR	9785	124	B2-U0-G1	10564	134	B2-U0-G1	11120	141	B2-U0-G1	11676	148	B3-U0-G1		3164	51	B1-U0-G1
			II-ML	9720	123	B3-U0-G3	10494	133	B3-U0-G3	11046	140	B3-U0-G3	11598	147	B3-U0-G3		3143	51	B2-U0-G2
			II-M	9891	125	B2-U0-G2	10677	135	B2-U0-G2	11240	142	B2-U0-G2	11801	149	B2-U0-G2		3198	52	B1-U0-G1
			II-W	9183	116	B2-U0-G3	9914	125	B2-U0-G3	10436	132	B2-U0-G3	10958	139	B2-U0-G3		2969	48	B1-U0-G1
			IV	9816	124	B2-U0-G2	10597	134	B2-U0-G2	11155	141	B2-U0-G2	11712	148	B2-U0-G2		3174	51	B1-U0-G1
			IV-FT	8942	113	B2-U0-G2	9653	122	B2-U0-G3	10161	129	B2-U0-G3	10669	135	B2-U0-G3		2892	47	B1-U0-G1
			VSQ-N	10260	130	B3-U0-G1	11075	140	B3-U0-G1	11659	148	B3-U0-G1	12242	155	B3-U0-G1		3317	54	B2-U0-G0
			VSQ-M	10060	127	B3-U0-G2	10861	137	B4-U0-G2	11432	145	B4-U0-G2	12004	152	B4-U0-G2		3253	52	B2-U0-G1
			VSQ-W	9821	124	B4-U0-G3	10602	134	B4-U0-G3	11160	141	B4-U0-G3	11718	148	B4-U0-G3		3175	51	B2-U0-G1
			II-HS	7110	90	B1-U0-G2	7675	97	B1-U0-G2	8079	102	B1-U0-G2	8483	107	B1-U0-G2		2298	37	B0-U0-G1
			II-FR-HS	7231	92	B1-U0-G1	7806	99	B1-U0-G1	8217	104	B1-U0-G1	8628	109	B1-U0-G1		2339	38	B0-U0-G0
			II-M-HS	7192	91	B0-U0-G2	7764	98	B1-U0-G2	8173	103	B1-U0-G2	8581	109	B1-U0-G2		2325	38	B0-U0-G1
			II-W-HS	7040	89	B0-U0-G2	7600	96	B0-U0-G2	8000	101	B1-U0-G2	8400	106	B1-U0-G2		2276	37	B0-U0-G1
			IV-HS	7429	94	B1-U0-G2	8020	102	B1-U0-G2	8442	107	B1-U0-G2	8864	112	B1-U0-G2		2402	39	B0-U0-G1
			IV-FT-HS	7020	89	B1-U0-G3	7579	96	B1-U0-G3	7978	101	B1-U0-G3	8377	106	B1-U0-G3		2270	37	B0-U0-G1
48	700	105.1	II	12226	116	B2-U0-G2	13199	126	B2-U0-G2	13894	132	B2-U0-G2	14588	139	B3-U0-G2	N/A	N/A		
			II-FR	12308	117	B3-U0-G1	13267	126	B3-U0-G1	13986	133	B3-U0-G1	14686	140	B3-U0-G1				
			II-ML	12227	116	B3-U0-G3	13200	126	B3-U0-G3	13894	132	B3-U0-G3	14589	139	B4-U0-G4				
			II-M	12440	118	B2-U0-G2	13430	128	B2-U0-G2	14137	135	B2-U0-G2	14843	141	B2-U0-G2				
			II-W	11550	110	B2-U0-G3	12468	119	B2-U0-G3	13125	125	B2-U0-G3	13781	131	B2-U0-G3				
			IV	12346	117	B2-U0-G2	13329	127	B2-U0-G2	14030	133	B2-U0-G2	14731	140	B2-U0-G2				
			IV-FT	11247	107	B2-U0-G3	12141	116	B2-U0-G3	12780	122	B2-U0-G3	13419	128	B2-U0-G3				
			VSQ-N	12904	123	B3-U0-G1	13931	133	B3-U0-G1	14663	140	B3-U0-G1	15397	146	B3-U0-G1				
			VSQ-M	12654	120	B4-U0-G2	13660	130	B4-U0-G2	14379	137	B4-U0-G2	15099	144	B4-U0-G2				
			VSQ-W	12352	118	B4-U0-G3	13334	127	B4-U0-G3	14036	134	B4-U0-G3	14738	140	B4-U0-G3				
			II-HS	8942	85	B1-U0-G2	9653	92	B1-U0-G2	10161	97	B1-U0-G2	10669	102	B1-U0-G2				
			II-FR-HS	9095	87	B1-U0-G1	9819	93	B1-U0-G1	10336	98	B1-U0-G1	10852	103	B1-U0-G1				
			II-M-HS	9045	86	B1-U0-G2	9765	93	B1-U0-G2	10279	98	B1-U0-G2	10793	103	B1-U0-G2				
			II-W-HS	8854	84	B1-U0-G2	9558	91	B1-U0-G3	10062	96	B1-U0-G3	10565	101	B1-U0-G3				
			IV-HS	9344	89	B1-U0-G2	10087	96	B1-U0-G2	10618	101	B1-U0-G2	11149	106	B1-U0-G2				
			IV-FT-HS	8831	84	B1-U0-G3	9533	91	B1-U0-G3	10035	95	B1-U0-G3	10537	100	B1-U0-G3				
48	875	131.8	II	14829	113	B3-U0-G2	16008	121	B3-U0-G3	16851	128	B3-U0-G3	17693	134	B3-U0-G3	N/A	N/A		
			II-FR	14928	113	B3-U0-G2	16115	122	B3-U0-G2	16964	129	B3-U0-G2	17812	135	B3-U0-G2				
			II-ML	14829	113	B4-U0-G4	16009	121	B4-U0-G4	16851	128	B4-U0-G4	17694	134	B4-U0-G4				
			IIIM	15088	114	B2-U0-G2	16288	124	B3-U0-G3	17145	130	B3-U0-G3	18003	137	B3-U0-G3				
			II-W	14009	106	B2-U0-G3	15123	115	B2-U0-G3	15919	121	B3-U0-G3	16715	127	B3-U0-G3				
			IV	14975	114	B2-U0-G2	16166	123	B3-U0-G2	17017	129	B3-U0-G3	17867	136	B3-U0-G3				
			IV-FT	13641	103	B2-U0-G3	14726	112	B3-U0-G3	15501	118	B3-U0-G3	16276	123	B3-U0-G3				
			VSQ-N	15652	119	B3-U0-G1	16897	128	B4-U0-G2	17786	135	B4-U0-G2	18675	142	B4-U0-G2				
			VSQ-M	15348	116	B4-U0-G2	16568	126	B4-U0-G2	17440	132	B4-U0-G2	18312	139	B4-U0-G2				
			VSQ-W	14981	114	B4-U0-G3	16173	123	B4-U0-G3	17024	129	B5-U0-G3	17876	136	B5-U0-G3				
			II-HS	10845	82	B1-U0-G2	11707	89	B1-U0-G2	12324	94	B1-U0-G2	12940	98	B1-U0-G2				
			II-FR-HS	11032	84	B1-U0-G1	11909	90	B1-U0-G2	12536	95	B1-U0-G2	13162	100	B1-U0-G2				
			IIIM-HS	10971	83	B1-U0-G2	11844	90	B1-U0-G3	12467	95	B1-U0-G3	13091	99	B1-U0-G3				
			II-W-HS	10739	81	B1-U0-G3	11594	88	B1-U0-G3	12204	93	B1-U0-G3	12814	97	B1-U0-G3				
			IV-HS	11333	86	B1-U0-G2	12234	93	B1-U0-G2	12878	98	B1-U0-G3	13522	103	B1-U0-G3				
			IV-FT-HS	10711	81	B1-U0-G3	11562	88	B1-U0-G3	12171	92	B1-U0-G3	12779	97	B1-U0-G3				
48	1050	159.6	II	17044	107	B3-U0-G3	18400	115	B3-U0-G3	19369	121	B3-U0-G3	20337	127	B3-U0-G3	N/A	N/A		
			II-FR	17159	108	B3-U0-G2	18523	116	B3-U0-G2	19498	122	B3-U0-G2	20473	128	B3-U0-G2				
			II-ML	17045	107	B4-U0-G4	18401	115	B4-U0-G4	19369	121	B4-U0-G4	20338	127	B4-U0-G4				
			II-M	17342	109	B3-U0-G3	18722	117	B3-U0-G3	19707	123	B3-U0-G3	20692	130	B3-U0-G3				
			II-W	16102	101	B3-U0-G3	17383	109	B3-U0-G3	18298	115	B3-U0-G3	19213	120	B3-U0-G4				
			IV	17212	108	B3-U0-G3	18582	116	B3-U0-G3	19559	123	B3-U0-G3	20537	129	B3-U0-G3				
			IV-FT	15680	98	B3-U0-G3	16927	106	B3-U0-G3	17818	112	B3-U0-G3	18708	117	B3-U0-G4				
			VSQ-N	17990	113	B4-U0-G2	19421	122	B4-U0-G2	20443	128	B4-U0-G2	21466	134	B4-U0-G2				
			VSQ-M	17641	111	B4-U0-G2	19044	119	B4-U0-G2	20046	126	B4-U0-G2	21048	132	B4-U0-G2				
			VSQ-W	17220	108	B5-U0-G3	18590	116	B5-U0-G3	19568	123	B5-U0-G3	20546	129	B5-U0-G3				
			II-HS	12465	78	B1-U0-G2	13457	84	B1-U0-G3	14165	89	B1-U0-G3	14873	93	B1-U0-G3				
			II-FR-HS	12680	79	B1-U0-G2	13688	86	B1-U0-G2	14409	90	B1-U0-G2	15129	95	B1-U0-G2				
			II-M-HS	12611	79	B1-U0-G3	13614	85	B1-U0-G3	14330	90	B1-U0-G3	15047	94	B1-U0-G3				
			II-W-HS	12344	77	B1-U0-G3	13326	83	B1-U0-G3	14027	88	B1-U0-G3	14728	92	B1-U0-G4				
			IV-HS	13026	82	B1-U0-G3	14062	88	B1-U0-G3	14802	93	B1-U0-G3	15542	97	B1-U0-G3				
			IV-FT-HS	12311	72	B1-U0-C3	13290	83	B1-U0-C3	13980	88	B1-U0-C4	14680	92	B1-U0-C4				

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZR-PLED)

RZR-PLED																				
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)			
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING	
40	350	42.7	II	5819	136	B2-U0-G1	6281	147	B2-U0-G1	6612	155	B2-U0-G2	6943	163	B2-U0-G2	33.0	2309	70	B1-U0-G1	
			II-FR	5858	137	B2-U0-G1	6324	148	B2-U0-G1	6657	156	B2-U0-G1	6990	164	B2-U0-G1		2325	70	B1-U0-G0	
			II-ML	5819	136	B3-U0-G3	6282	147	B3-U0-G3	6612	155	B3-U0-G3	6943	163	B3-U0-G3		2309	70	B1-U0-G1	
			III-M	5921	139	B1-U0-G2	6392	150	B2-U0-G2	6728	158	B2-U0-G2	7065	165	B2-U0-G2		2349	71	B1-U0-G1	
			III-W	5497	129	B1-U0-G2	5935	139	B1-U0-G2	6247	146	B1-U0-G2	6559	154	B1-U0-G2		2182	66	B1-U0-G1	
			IV	5876	138	B1-U0-G2	6344	149	B2-U0-G2	6677	156	B2-U0-G2	7011	164	B2-U0-G2		2332	71	B1-U0-G1	
			IV-FT	5353	125	B1-U0-G2	5778	135	B1-U0-G2	6083	142	B1-U0-G2	6387	150	B1-U0-G2		2124	64	B1-U0-G1	
			VSQ-N	6141	144	B2-U0-G1	6630	155	B2-U0-G1	6979	163	B2-U0-G1	7328	172	B2-U0-G1		2438	74	B1-U0-G0	
			VSQ-M	6023	141	B3-U0-G1	6502	152	B3-U0-G1	6844	160	B3-U0-G1	7186	168	B3-U0-G1		2390	72	B2-U0-G1	
			VSQ-W	5879	138	B3-U0-G2	6346	149	B3-U0-G2	6680	156	B3-U0-G2	7015	164	B3-U0-G2		2333	71	B2-U0-G1	
			IIHS	4256	100	B0-U0-G1	4594	108	B1-U0-G1	4836	113	B1-U0-G2	5077	119	B1-U0-G2		1689	51	B0-U0-G0	
			II-FRHS	4329	101	B0-U0-G1	4673	109	B0-U0-G1	4919	115	B0-U0-G1	5165	121	B0-U0-G1		1718	52	B0-U0-G0	
			II-MHS	4305	101	B0-U0-G2	4647	109	B0-U0-G2	4892	115	B0-U0-G2	5137	120	B0-U0-G2		1708	52	B0-U0-G1	
			III-WHS	4214	99	B0-U0-G2	4550	107	B0-U0-G2	4789	112	B0-U0-G2	5028	118	B0-U0-G2		1673	51	B0-U0-G1	
			IV-HS	4447	104	B0-U0-G1	4801	112	B0-U0-G2	5054	118	B0-U0-G2	5306	124	B0-U0-G2		1764	53	B0-U0-G1	
			IV-FT-HS	4203	98	B0-U0-G2	4537	106	B0-U0-G2	4776	112	B0-U0-G2	5015	117	B0-U0-G2		1668	51	B0-U0-G1	
40	525	64.7	II	8396	130	B2-U0-G2	9064	140	B2-U0-G2	9541	147	B2-U0-G2	10017	155	B2-U0-G2	51.0	2715	53	B1-U0-G1	
			II-FR	8452	131	B2-U0-G1	9125	141	B2-U0-G1	9605	148	B2-U0-G1	10085	156	B2-U0-G1		2733	54	B1-U0-G1	
			II-ML	8396	130	B3-U0-G3	9064	140	B3-U0-G3	9541	147	B3-U0-G3	10018	155	B3-U0-G3		2715	53	B1-U0-G1	
			III-M	8543	132	B2-U0-G2	9223	143	B2-U0-G2	9708	150	B2-U0-G2	10194	158	B2-U0-G2		2762	54	B1-U0-G1	
			III-W	7932	123	B2-U0-G2	8563	132	B2-U0-G2	9013	139	B2-U0-G3	9464	146	B2-U0-G3		2565	50	B1-U0-G1	
			IV	8478	131	B2-U0-G2	9152	141	B2-U0-G2	9634	149	B2-U0-G2	10116	156	B2-U0-G2		2742	54	B1-U0-G1	
			IV-FT	7724	119	B2-U0-G3	8338	129	B2-U0-G3	8777	136	B2-U0-G3	9216	142	B2-U0-G3		2497	49	B1-U0-G1	
			VSQ-N	8861	137	B3-U0-G1	9566	148	B3-U0-G1	10070	156	B3-U0-G1	10674	163	B3-U0-G1		2866	56	B1-U0-G0	
			VSQ-M	8690	134	B3-U0-G2	9381	145	B3-U0-G2	9875	153	B3-U0-G2	10369	160	B3-U0-G2		2809	55	B2-U0-G1	
			VSQ-W	8483	131	B4-U0-G2	9157	142	B4-U0-G2	9640	149	B4-U0-G3	10122	156	B4-U0-G3		2743	54	B2-U0-G1	
			IIHS	6141	95	B1-U0-G2	6629	102	B1-U0-G2	6978	108	B1-U0-G2	7327	113	B1-U0-G2		1985	39	B0-U0-G1	
			II-FRHS	6246	97	B1-U0-G1	6743	104	B1-U0-G1	7098	110	B1-U0-G1	7453	115	B1-U0-G1		2020	40	B0-U0-G0	
			II-MHS	6212	96	B0-U0-G2	6706	104	B0-U0-G2	7060	109	B0-U0-G2	7412	115	B0-U0-G2		2009	39	B0-U0-G1	
			III-WHS	6081	94	B0-U0-G2	6564	101	B0-U0-G2	6910	107	B0-U0-G2	7255	112	B0-U0-G2		1966	39	B0-U0-G1	
			IV-HS	6417	99	B0-U0-G2	6927	107	B0-U0-G2	7292	113	B0-U0-G2	7656	118	B1-U0-G2		2075	41	B0-U0-G1	
			IV-FT-HS	6064	94	B0-U0-G2	6546	101	B0-U0-G2	6891	107	B1-U0-G2	7235	112	B1-U0-G3		1960	38	B0-U0-G1	
40	700	86.8	II	10669	123	B2-U0-G2	11518	133	B2-U0-G2	12124	140	B2-U0-G2	12730	147	B2-U0-G2	N/A	N/A			
			II-FR	10740	124	B2-U0-G1	11594	134	B3-U0-G1	12205	141	B3-U0-G1	12815	148	B3-U0-G1					
			II-ML	10669	123	B3-U0-G3	11518	133	B3-U0-G3	12124	140	B3-U0-G3	12731	147	B3-U0-G3					
			II-M	10856	125	B2-U0-G2	11719	135	B2-U0-G2	12336	142	B2-U0-G2	12953	149	B2-U0-G2					
			III-W	10079	116	B2-U0-G3	10880	125	B2-U0-G3	11453	132	B2-U0-G3	12026	139	B2-U0-G3					
			IV	10774	124	B2-U0-G2	11630	134	B2-U0-G2	12243	141	B2-U0-G2	12855	148	B2-U0-G2					
			IV-FT	9814	113	B2-U0-G3	10595	122	B2-U0-G3	11153	128	B2-U0-G3	11710	135	B2-U0-G3					
			VSQ-N	11260	130	B3-U0-G1	12156	140	B3-U0-G1	12796	147	B3-U0-G1	13435	155	B3-U0-G1					
			VSQ-M	11042	127	B4-U0-G2	11920	137	B4-U0-G2	12548	145	B4-U0-G2	13175	152	B4-U0-G2					
			VSQ-W	10778	124	B4-U0-G3	11636	134	B4-U0-G3	12248	141	B4-U0-G3	12860	148	B4-U0-G3					
			IIHS	7803	90	B1-U0-G2	8423	97	B1-U0-G2	8866	102	B1-U0-G2	9310	107	B1-U0-G2					
			II-FRHS	7937	91	B1-U0-G1	8568	99	B1-U0-G1	9019	104	B1-U0-G1	9470	109	B1-U0-G1					
			II-MHS	7893	91	B1-U0-G2	8521	98	B1-U0-G2	8970	103	B1-U0-G2	9418	109	B1-U0-G2					
			III-WHS	7726	89	B0-U0-G2	8341	96	B1-U0-G2	8780	101	B1-U0-G2	9218	106	B1-U0-G2					
			IV-HS	8153	94	B1-U0-G2	8802	101	B1-U0-G2	9265	107	B1-U0-G2	9728	112	B1-U0-G2					
			IV-FT-HS	7705	89	B1-U0-G3	8318	96	B1-U0-G3	8756	101	B1-U0-G3	9194	106	B1-U0-G3					
40	875	108.0	II	12366	114	B2-U0-G2	13349	124	B2-U0-G2	14052	130	B2-U0-G2	14754	137	B3-U0-G2	N/A	N/A			
			II-FR	12448	115	B3-U0-G1	13439	124	B3-U0-G1	14146	131	B3-U0-G1	14853	138	B3-U0-G2					
			II-ML	12366	115	B3-U0-G3	13349	124	B3-U0-G3	14052	130	B3-U0-G3	14755	137	B4-U0-G4					
			III-M	12581	116	B2-U0-G2	13582	126	B2-U0-G2	14297	132	B2-U0-G2	15012	139	B2-U0-G2					
			III-W	11682	108	B2-U0-G3	12611	117	B2-U0-G3	13275	123	B2-U0-G3	13939	129	B2-U0-G3					
			IV	12487	116	B2-U0-G2	13480	125	B2-U0-G2	14189	131	B2-U0-G2	14899	138	B2-U0-G2					
			IV-FT	11375	105	B2-U0-G3	12280	114	B2-U0-G3	12926	120	B2-U0-G3	13573	126	B2-U0-G3					
			VSQ-N	13051	121	B3-U0-G1	14089	130	B3-U0-G1	14830	137	B3-U0-G1	15572	144	B3-U0-G1					
			VSQ-M	12798	118	B4-U0-G2	13816	128	B4-U0-G2	14543	135	B4-U0-G2	15270	141	B4-U0-G2					
			VSQ-W	12492	116	B4-U0-G3	13486	125	B4-U0-G3	14196	131	B4-U0-G3	14905	138	B4-U0-G3					
			IIHS	9044	84	B1-U0-G2	9763	90	B1-U0-G2	10277	95	B1-U0-G2	10791	100	B1-U0-G2					
			II-FRHS	9199	85	B1-U0-G1	9930	92	B1-U0-G1	10453	97	B1-U0-G1	10976	102	B1-U0-G1					
			III-MHS	9149	85	B1-U0-G2	9876	91	B1-U0-G2	10396	96	B1-U0-G2	10916	101	B1-U0-G2					
			III-WHS	8955	83	B1-U0-G2	9667	90	B1-U0-G3	10176	94	B1-U0-G3	10685	99	B1-U0-G3					
			IV-HS	9450	87	B1-U0-G2	10201	94	B1-U0-G2	10738	99	B1-U0-G2	11275	104	B1-U0-G2					
			IV-FT-HS	8931	83	B1-U0-G3	9641	89	B1-U0-G3	10149	94	B1-U0-G3	10656	99	B1-U0-G3					
40	1050	128.2	II	14213	111	B2-U0-G2	15344	120	B3-U0-G2	16151	126	B3-U0-G3	16959	132	B3-U0-G3	N/A	N/A			
			II-FR	14308	112	B3-U0-G1	15446	120	B3-U0-G2	16259	127	B3-U0-G2	17072	133	B3-U0-G2					
			II-ML	14214	111	B3-U0-G3	15344	120	B4-U0-G4	16152	126	B4-U0-G4	16959	132	B4-U0-G4					
			III-M	14461	113	B2-U0-G2	15612	122	B3-U0-G2	16433	128	B3-U0-G3	17255	135	B3-U0-G3					
			III-W	13427	105	B2-U0-G3	14495	113	B2-U0-G3	15258	119	B2-U0-G3	16021	125	B3-U0-G3					
			IV	14352	112	B2-U0-G2	15494	121	B3-U0-G2	16309	127	B3-U0-G3	17125	134	B3-U0-G3					
			IV-FT	13075	102	B2-U0-G3	14115	110	B2-U0-G3	14858	116	B3-U0-G3	15601	122	B3-U0-G3					
			VSQ-N	15001	117	B3-U0-G1	16194	126	B4-U0-G1	17046	133	B4-U0-G2	17899	140	B4-U0-G2					
			VSQ-M	14710	115	B4-U0-G2	15880	124	B4-U0-G2	16716	130	B4-U0-G2	17552	137	B4-U0-G2					
			VSQ-W	14359	112	B4-U0-G3	15501	121	B4-U0-G3	16317	127	B4-U0-G3	17132	134	B5-U0-G3					
			IIHS	10395	81	B1-U0-G2	11222	88	B1-U0-G2	11813	92	B1-U0-G2	12403	97	B1-U0-G2					
			II-FRHS	10573	82	B1-U0-G1	11414	89	B1-U0-G2	12015	94	B1-U0-G2	12616	98	B1-U0-G2					
			II-MHS	10516	82	B1-U0-G2	11352	89	B1-U0-G2	11949	93	B1-U0-G3	12547	98	B1-U0-G3					
			III-WHS	10293	80	B1-U0-G3	11112	87	B1-U0-G3	11696	91	B1-U0-G3	12281	96	B1-U0-G3					
			IV-HS	10862	85	B1-U0-G2	11726	91	B1-U0-G2	12343	96	B1-U0-G2	12960	101	B1-U0-G3					
			IV-FT-HS	10366	80	B1-U0-G3	11082	86	B1-U0-G3	11665	91	B1-U0-G3	12248	96	B1-U0-G3					

RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (RZRG-PLED)

RZR-G-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	350	87.0	II	11409	131	B2-U0-G2	12317	142	B2-U0-G2	12965	149	B2-U0-G2	13613	156	B2-U0-G2	67.0	4528	68	B1-U0-G1
			II-FR	11485	132	B3-U0-G1	12398	143	B3-U0-G1	13051	150	B3-U0-G1	13703	158	B3-U0-G1		4558	68	B1-U0-G1
			II-ML	11409	131	B3-U0-G3	12317	142	B3-U0-G3	12965	149	B3-U0-G3	13613	156	B3-U0-G3		4528	68	B2-U0-G2
			III-M	11608	133	B2-U0-G2	12531	144	B2-U0-G2	13191	152	B2-U0-G2	13850	159	B2-U0-G2		4553	68	B1-U0-G1
			III-W	10778	124	B2-U0-G3	11635	134	B2-U0-G3	12248	141	B2-U0-G3	12860	148	B2-U0-G3		4276	64	B1-U0-G2
			IV	11520	132	B2-U0-G2	12437	143	B2-U0-G2	13091	150	B2-U0-G2	13746	158	B2-U0-G2		4572	68	B1-U0-G1
			IV-FT	10494	121	B2-U0-G3	11330	130	B2-U0-G3	11926	137	B2-U0-G3	12522	144	B2-U0-G3		4165	62	B1-U0-G1
			VSQ-N	12041	138	B3-U0-G1	12999	149	B3-U0-G1	13683	157	B3-U0-G1	14367	165	B3-U0-G1		4779	71	B2-U0-G1
			VSQ-M	11808	136	B4-U0-G2	12747	147	B4-U0-G2	13418	154	B4-U0-G2	14089	162	B4-U0-G2		4686	70	B3-U0-G1
			VSQ-W	11526	132	B4-U0-G3	12443	143	B4-U0-G3	13097	151	B4-U0-G3	13752	158	B4-U0-G3		4574	68	B3-U0-G2
			IIHS	8464	97	B1-U0-G2	9138	105	B1-U0-G2	9618	111	B1-U0-G2	10099	116	B1-U0-G2		3359	50	B0-U0-G1
			II-FRHS	8609	99	B1-U0-G1	9294	107	B1-U0-G1	9783	112	B1-U0-G1	10274	118	B1-U0-G1		3417	51	B0-U0-G1
			II-MHS	8563	98	B1-U0-G2	9244	106	B1-U0-G2	9731	112	B1-U0-G2	10217	117	B1-U0-G2		3398	51	B0-U0-G1
			III-WHS	8382	96	B1-U0-G2	9048	104	B1-U0-G2	9525	109	B1-U0-G3	10001	115	B1-U0-G3		3326	50	B0-U0-G1
			IV-HS	8845	102	B1-U0-G2	9548	110	B1-U0-G2	10051	116	B1-U0-G2	10553	121	B1-U0-G2		3510	52	B0-U0-G1
			IV-FT-HS	8359	96	B1-U0-G3	9024	104	B1-U0-G3	9499	109	B1-U0-G3	9974	115	B1-U0-G3		3317	50	B0-U0-G2
80	525	129.0	II	16394	127	B3-U0-G3	17698	137	B3-U0-G3	18629	144	B3-U0-G3	19560	152	B3-U0-G3	101.0	5301	52	B1-U0-G1
			II-FR	16503	128	B3-U0-G2	17816	138	B3-U0-G2	18753	145	B3-U0-G2	19691	153	B3-U0-G2		5336	53	B1-U0-G1
			II-ML	16394	127	B4-U0-G4	17698	137	B4-U0-G4	18630	144	B4-U0-G4	19561	152	B4-U0-G4		5302	52	B2-U0-G2
			III-M	16680	129	B3-U0-G3	14740	114	B2-U0-G2	18955	147	B3-U0-G3	19902	154	B3-U0-G3		5343	53	B1-U0-G2
			III-W	15488	120	B2-U0-G3	16720	130	B3-U0-G3	17600	136	B3-U0-G3	18479	143	B3-U0-G4		5008	50	B1-U0-G2
			IV	16555	128	B3-U0-G3	17871	139	B3-U0-G3	18812	146	B3-U0-G3	19753	153	B3-U0-G3		5353	53	B1-U0-G1
			IV-FT	15081	117	B3-U0-G3	16280	126	B3-U0-G3	17137	133	B3-U0-G3	17994	139	B3-U0-G3		4877	48	B1-U0-G2
			VSQ-N	17303	134	B4-U0-G2	18679	145	B4-U0-G2	19663	152	B4-U0-G2	20646	160	B4-U0-G2		5595	55	B2-U0-G1
			VSQ-M	16967	132	B4-U0-G2	18317	142	B4-U0-G2	19281	149	B4-U0-G2	20245	157	B4-U0-G2		5486	54	B3-U0-G1
			VSQ-W	16562	128	B4-U0-G3	17880	139	B5-U0-G3	18821	146	B5-U0-G3	19762	153	B5-U0-G3		5355	53	B3-U0-G2
			IIHS	12089	94	B1-U0-G2	13052	101	B1-U0-G3	13738	106	B1-U0-G3	14425	112	B1-U0-G3		3909	39	B0-U0-G1
			II-FRHS	12298	95	B1-U0-G2	13276	103	B1-U0-G2	13975	108	B1-U0-G2	14674	114	B1-U0-G2		3977	39	B0-U0-G1
			II-MHS	12231	95	B1-U0-G3	13204	102	B1-U0-G3	13899	108	B1-U0-G3	14594	113	B1-U0-G3		3954	39	B0-U0-G1
			III-WHS	11971	93	B1-U0-G3	12924	100	B1-U0-G3	13604	105	B1-U0-G3	14284	111	B1-U0-G3		3871	38	B0-U0-G2
			IV-HS	12633	98	B1-U0-G2	13638	106	B1-U0-G3	14356	111	B1-U0-G3	15074	117	B1-U0-G3		4085	40	B0-U0-G1
			IV-FT-HS	11940	93	B1-U0-G3	12889	100	B1-U0-G3	13568	105	B1-U0-G3	14246	110	B1-U0-G4		3861	38	B0-U0-G2
80	700	174.0	II	20914	120	B3-U0-G3	22578	130	B3-U0-G3	23766	137	B3-U0-G3	24955	143	B3-U0-G3	N/A	N/A		
			II-FR	21054	121	B3-U0-G2	22729	131	B3-U0-G2	23924	137	B3-U0-G2	25121	144	B3-U0-G2				
			II-ML	20915	120	B4-U0-G4	22579	130	B4-U0-G4	23767	137	B4-U0-G4	24955	143	B4-U0-G4				
			II-M	21280	122	B3-U0-G3	22972	132	B3-U0-G3	24182	139	B3-U0-G4	25391	146	B3-U0-G4				
			III-W	19759	114	B3-U0-G4	21330	123	B3-U0-G4	22453	129	B3-U0-G4	23575	135	B3-U0-G4				
			IV	21120	121	B3-U0-G3	22800	131	B3-U0-G3	24000	138	B3-U0-G3	25200	145	B3-U0-G4				
			IV-FT	19239	111	B3-U0-G4	20770	119	B3-U0-G4	21862	126	B3-U0-G4	22956	132	B3-U0-G4				
			VSQ-N	22074	127	B4-U0-G2	23831	137	B4-U0-G2	25084	144	B4-U0-G2	26339	151	B4-U0-G2				
			VSQ-M	21646	124	B5-U0-G3	23367	134	B5-U0-G3	24598	141	B5-U0-G3	25827	148	B5-U0-G3				
			VSQ-W	21129	121	B5-U0-G4	22810	131	B5-U0-G4	24010	138	B5-U0-G4	25212	145	B5-U0-G4				
			IIHS	15363	88	B1-U0-G3	16586	95	B1-U0-G3	17458	100	B1-U0-G3	18332	105	B1-U0-G3				
			II-FRHS	15628	90	B1-U0-G2	16872	97	B1-U0-G2	17759	102	B1-U0-G2	18647	107	B1-U0-G2				
			II-MHS	15542	89	B1-U0-G3	16778	96	B1-U0-G3	17662	102	B1-U0-G4	18545	107	B1-U0-G4				
			III-WHS	15213	87	B1-U0-G4	16423	94	B1-U0-G4	17288	99	B1-U0-G4	18152	104	B1-U0-G4				
			IV-HS	16055	92	B1-U0-G3	17331	100	B1-U0-G3	18244	105	B1-U0-G3	19155	110	B1-U0-G3				
			IV-FT-HS	15172	87	B1-U0-G4	16380	94	B1-U0-G4	17242	99	B1-U0-G4	18104	104	B1-U0-G4				
80	875	219.7	II	25063	114	B3-U0-G3	27057	123	B3-U0-G4	28481	130	B3-U0-G4	29905	136	B4-U0-G4	N/A	N/A		
			II-FR	25230	115	B3-U0-G2	27237	124	B3-U0-G2	28670	130	B4-U0-G2	30104	137	B4-U0-G2				
			II-ML	25064	114	B4-U0-G4	27057	123	B4-U0-G4	28481	130	B4-U0-G4	29906	136	B5-U0-G5				
			III-M	25501	116	B3-U0-G4	27529	125	B3-U0-G4	28978	132	B3-U0-G4	30427	138	B3-U0-G4				
			III-W	23677	108	B3-U0-G4	25560	116	B3-U0-G4	26906	122	B3-U0-G4	28251	129	B3-U0-G4				
			IV	25309	115	B3-U0-G4	27322	124	B3-U0-G4	28760	131	B3-U0-G4	30198	137	B3-U0-G4				
			IV-FT	23056	105	B3-U0-G4	24889	113	B3-U0-G4	26200	119	B3-U0-G4	27509	125	B3-U0-G4				
			VSQ-N	26453	120	B4-U0-G2	28557	130	B5-U0-G2	30060	137	B5-U0-G2	31563	144	B5-U0-G2				
			VSQ-M	25939	118	B5-U0-G3	28002	127	B5-U0-G3	29476	134	B5-U0-G3	30950	141	B5-U0-G3				
			VSQ-W	25320	115	B5-U0-G4	27335	124	B5-U0-G4	28773	131	B5-U0-G4	30212	138	B5-U0-G4				
			IIHS	18330	83	B1-U0-G3	19788	90	B1-U0-G4	20830	95	B2-U0-G4	21871	100	B2-U0-G4				
			II-FRHS	18645	85	B1-U0-G2	20128	92	B1-U0-G2	21188	96	B1-U0-G2	22247	101	B1-U0-G2				
			II-MHS	18543	84	B1-U0-G4	20018	91	B1-U0-G4	21072	96	B1-U0-G4	22125	101	B1-U0-G4				
			III-WHS	18151	83	B1-U0-G4	19594	89	B1-U0-G4	20626	94	B1-U0-G4	21657	99	B1-U0-G4				
			IV-HS	19154	87	B1-U0-G3	20677	94	B1-U0-G4	21766	99	B1-U0-G4	22854	104	B1-U0-G4				
			IV-FT-HS	18102	82	B1-U0-G4	19591	89	B1-U0-G4	20571	94	B1-U0-G4	21599	98	B1-U0-G4				
80	1050	266.0	II	28808	108	B4-U0-G4	31049	117	B4-U0-G4	32736	123	B4-U0-G4	34373	129	B4-U0-G4	N/A	N/A		
			II-FR	29000	109	B4-U0-G2	31306	118	B4-U0-G2	32954	124	B4-U0-G2	34602	130	B4-U0-G2				
			II-ML	28809	108	B5-U0-G5	31100	117	B5-U0-G5	32737	123	B5-U0-G5	34374	129	B5-U0-G5				
			II-M	29311	110	B3-U0-G4	31643	119	B4-U0-G4	33308	125	B4-U0-G4	34974	131	B4-U0-G4				
			III-W	27215	102	B3-U0-G4	29380	110	B3-U0-G5	30926	116	B3-U0-G5	32473	122	B3-U0-G5				
			IV	29091	109	B3-U0-G4	31404	118	B4-U0-G4	33058	124	B4-U0-G4	34710	130	B4-U0-G4				
			IV-FT	26501	100	B3-U0-G4	28608	108	B3-U0-G4	30114	113	B3-U0-G5	31620	119	B3-U0-G5				
			VSQ-N	30405	114	B5-U0-G2	32824	123	B5-U0-G2	34551	130	B5-U0-G2	36279	136	B5-U0-G2				
			VSQ-M	29815	112	B5-U0-G3	32186	121	B5-U0-G4	33880	127	B5-U0-G4	35575	134	B5-U0-G4				
			VSQ-W	29104	109	B5-U0-G4	31419	118	B5-U0-G5	33073	124	B5-U0-G5	34726	131	B5-U0-G5				
			IIHS	21069	79	B2-U0-G4	22745	86	B2-U0-G4	23942	90	B2-U0-G4	25139	95	B2-U0-G4				
			II-FRHS	21432	81	B1-U0-G2	23136	87	B1-U0-G2	24354	92	B1-U0-G2	25571	96	B2-U0-G2				
			II-MHS	21314	80	B1-U0-G4	23009	87	B1-U0-G4	24220	91	B1-U0-G4	25431	96	B1-U0-G4				
			III-WHS	20862	78	B1-U0-G4	22521	85	B1-U0-G4	23708	89	B1-U0-G5	24893	94	B1-U0-G5				
			IV-HS	22016	83	B1-U0-G4	23766	89	B1-U0-G4	25018	94	B1-U0-G4	26268	99	B1-U0-G4				
			IV-FT-HS	20807	78	B1-U0-C4	22461	84	B1-U0-C5	23644	89	B1-U0-C5	24826	93	B1-U0-C5				

Job Name:
 West Orange Plaza
 Civil Engineer: PETRY ENGINEERING, LLC
 (FAIRFIELD)
Catalog Number:

R240840606T4-D1-COLOR-PG13

Type:**C2 POLE**

Notes:

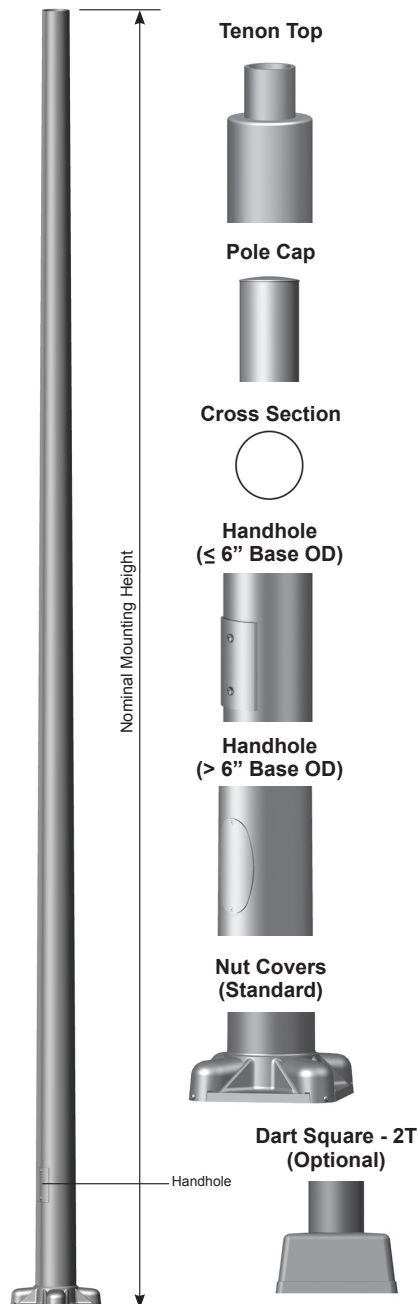
DIV-NJ23-159484



18' to 25' ROUND TAPERED ALUMINUM 4-Bolt Anchor Base

Job Name: _____		Client Name: _____	
Job Location - City: _____	State: _____	Created By: _____	Date: _____
Product: _____	Quote: _____	Customer Approval: _____	Date: _____

SPECIFICATIONS



Pole - The pole shaft is spun from seamless alloy aluminum.

Pole Top - A pole top tenon is provided for top mount luminaire and/or bracket. A removable pole cap is available for poles receiving drilling patterns for side-mount luminaire arm assemblies.

Handhole - A covered handhole with hardware and grounding provision are provided.

Base Cover - Optional Dart Square-2T cast and decorative base covers available as special order.

Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Aluminum nut covers are included with anchor base unless otherwise specified.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Finish - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.

Poles - Aluminum

RTA / 4-Bolt Anchor Base

18' to 25'

