

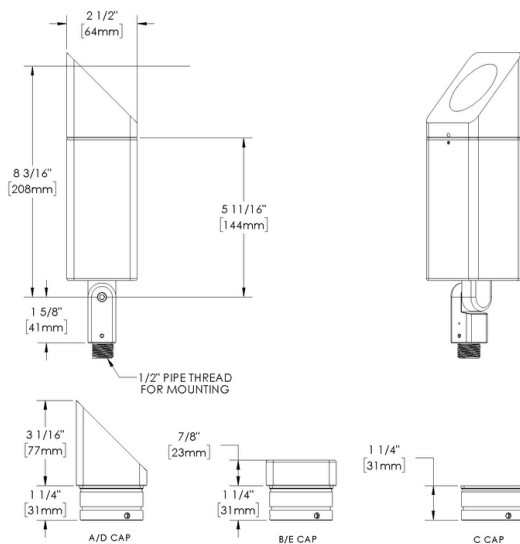
# RIO - Floodlight - Line Voltage - Laser - Square



### Downloads

- Product Images (.zip)
- Technical Drawing (.zip)
- 2D (.dwg)
- 2D (.dxf)
- BIM - Revit (.zip)
- Installation Instructions (.pdf)

### Product Variant Examples



# RIO - Floodlight - Line Voltage - Laser - Square

## Available Logic & Configurations

**RI-** **FL-** **LID-** **LZR-** **AL-** **SQ-** **TKM-** **\_\_\_-**  
 01 02 03 04 05 06A 06B 06C

**01 SERIES**

**RI** - RIO

**02 CATEGORY**

**FL** - Floodlight

**03 DRIVER**

**LID** - Line Voltage

**04 LIGHT SOURCE (TYPE)**

**LZR** - Laser

**05 MATERIAL**

**AL** - Aluminum

**06A SHAPE**

**SQ** - Square

**06B MOUNT**

**TKM** - Threaded Knuckle Mount

**06C STYLE**

**CA** - Cap A - 45° (With Weephole)

**CB** - Cap B - 90° (With Weephole)

**CC** - Cap C - Flush Lens

**CD** - Cap D - 45°

**CE** - Cap E - 90°

**Z1-** **\_\_\_-** **\_\_\_-** **\_\_\_-** **\_\_\_-** **\_\_\_-** **\_\_\_-**  
 07 08 10A 10B 11 12 13

**07 LIGHT SOURCE**

**Z1** - 6000K CRI70 - 14.5W (277 - 288 lm)

**08 OPTIC**

**VNSP** - Very Narrow Spot (4°)

**VNSP2** - Very Narrow Spot (5°)

**VNSP3** - Very Narrow Spot (8°)

**10A LENS**

**09** - Clear (Standard)

**13** - Rectilinear

**10B SHIELDING**

**00** - Not included (Standard)

**11** - Honeycomb Baffle

**11 WIRING LENGTH**

**WL00** - Standard

**WL05** - 5 Ft Leads

**WL25** - 25 Ft Leads

**12 FINISH**

Standard Finishes

**BLP, BZP, WHP, SAP, BLW, BZW, WHW, VER**

Premium Finishes

**CMG, SMG, RMG, AMG, TXF, BCM, BGE, WCP, OCP, HUG, ABP, BPP, SDS,**

**WIR, CAP, CRM, AQW, NBP**

Other - RAL

**RAL**

Other - Custom Color

**CUS**

**13 OPTION**

**TE** - Tamper Resistant

**NOTE:** Not all configurations may be compatible with one another. Please configure the product for specific 2D, Photometry, Downloads, Spec Sheet and Compatible mountings and power supplies.

# RIO - Floodlight - Line Voltage - Laser - Square

## Features



Anti-condensation vent allows moisture to exit the fixture but never enter in



First and only floodlight to incorporate a true laser diode source



Lens factory adhered to fixture cap providing hermetically sealed optical compartment



Manufactured in the USA with sustainable processes



Aim & Lock knuckle eliminates need for re-aiming & adjustments



Water-tight anti-siphon plug prevents moisture ingress from wireways



Easily replaceable modular components reduce waste and extend fixture life



Slip fit cap & high temp. silicone 'O' ring provides reliable water-tight seal



Solid billet fixture body provides unmatched durability and heat management



Integrated knuckle design provides 360° horizontal rotation and vertical adjustment

## Technical

**Driver:** Line Voltage

**Light Source (Type):** Laser

**Material:** Aluminum

**CCT (K):** 6000

**CRI:** 70

**Input Power (W):** 14.5

**Delivered Lumens (lm):** 277 - 288

**Beam Angle (°):** 4, 5, 8

**Shape:** Square

**Mount:** Threaded Knuckle Mount

**Style:** Cap A - 45° (With Weephole), Cap B - 90° (With Weephole), Cap C - Flush Lens, Cap D - 45°, Cap E - 90°

**Lens:** Clear (Standard), Rectilinear

**Shielding:** Not included (Standard), Honeycomb Baffle

**Wiring Length:** Standard, 5 Ft Leads, 25 Ft Leads

**Finish:** Standard Finishes, Premium Finishes, Other - RAL, Other - Custom Color

**Option:** Tamper Resistant

**Body:** Unibody design with enclosed, water-proof wireway, integral heat sink, fully machined from solid billet, anti-condensation and corrosion vent equalizes fixture pressure and eliminates potential for damage to internal components.

**Material Detail:** Furnished in copper-free aluminum (6061-T6).

**Aiming:** Knuckle enables 180° vertical adjustment. 'O' Ring helps maintain fixture position. Design withstands 73 lbs. static load prior to movement for optical alignment. Mounts with a 1/2" pipe thread.

**Light Source Detail:** CAUTION Laser Light. Do not stare into beam. Class II Laser Product.

**Optics:** Interchangeable optics permit changes in the field.

**Hardware:** Tamper-resistant, stainless steel hardware. Hardware is black oxide treated for additional corrosion resistance.

**Sealing:** 'O' Ring provides water-tight seal., Anti-condensation and corrosion vent equalizes fixture pressure and eliminates potential for damage to internal components.

**Note:** Tamper Resistant required for Very Narrow Spot (VNSP) optic., Extended leads are NOT for direct burial. Contact factory for direct burial lead options.

**Finish Detail:** StarGuard, our 15-stage chromate-free process, cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. It is RoHS compliant.

**Warranty:** 5-year limited warranty.

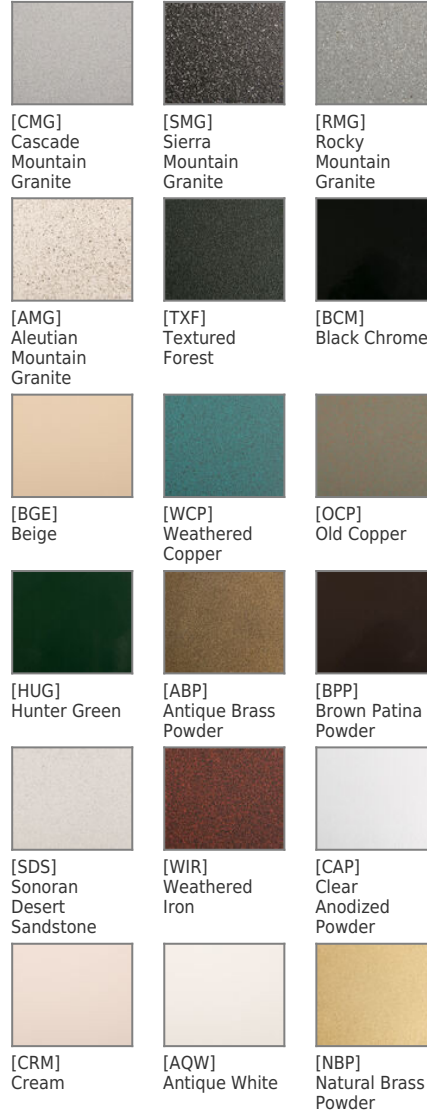
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## Finishes

### STANDARD FINISHES



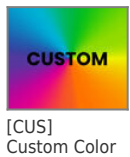
### PREMIUM FINISHES



### OTHER - RAL



### OTHER - CUSTOM COLOR



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## Light Source

Light Source	Optic	Beam Angle	CCT (K)	CRI	R9	Input Power (W)	Delivered Lumens (Lm)	CBCP
Z1	VNSP - Very Narrow Spot	4	6000	70		14.5	288	14386
Z1	VNSP2 - Very Narrow Spot	5	6000	70		14.5	278	10527
Z1	VNSP3 - Very Narrow Spot	8	6000	70		14.5	277	5019