

ROUND MAX SERIES

LED LIGHTING FOR HAZARDOUS AREAS HIGHBAY

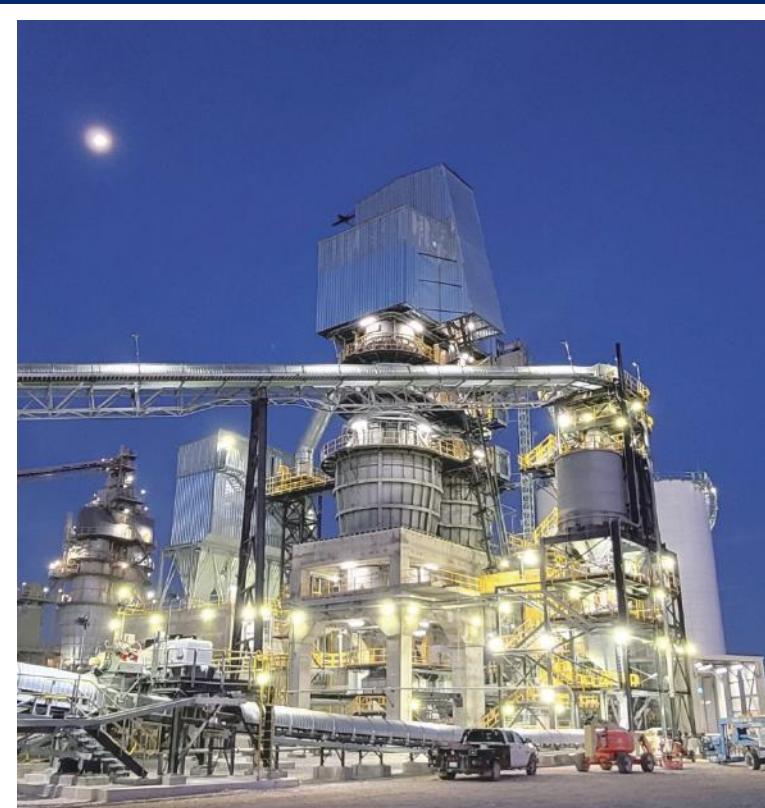


Reliable. Durable. Efficient.
12,000 to 26,000 lumen models

RED SKY
SERIOUSLY SAFE LIGHTS™

PIONEERING INDUSTRIAL ILLUMINATION FOR HARSH & HAZARDOUS CONDITIONS

- A leading manufacturer of premium LED lights for demanding work conditions
- Headquartered in California, products assembled in the USA
- Servicing global clients across 4 continents in metal processing, oil & gas, marine, manufacturing
- Renowned for quality, dependability, client care and uncompromising safety standards



WHY CHOOSE RED SKY

⌚ SERIOUSLY SAFE LIGHTS

- Rigorously tested in our professional labs
- Surpassing industry certifications and safety protocols
- Crafted with highest grade components for maximum durability

⌚ TOP-NOTCH SERVICES

- Team of experts for seamless support
- Energy audit services, lighting simulation services
- Hassle-free return policy and management

⌚ FAST DELIVERY

- Majority of orders delivered within 14 days
- Same day shipping for products in stock
- Real-time order tracking for full transparency

⌚ SUSTAINABLE SOLUTIONS

- High luminous efficacy LEDs for energy savings
- Conscious product design
- Recyclable materials for products and packaging

ROUND MAX SERIES

UNMATCHED POWER AND
BRIGHTNESS – ROUND MAX
BRINGS THE SIZE TO THE
ROUND SERIES LINE-UP



Prepare to transform your lighting solution with the extraordinary **Round Max**. It embodies the very essence of power and brightness. Designed for both indoor mid to high bay and outdoor general area applications, the Round-Max is here to revolutionize your lighting experience.

With an impressive output of up to 26,000 lumens and equipped with type I, III, and V optics, the Round Max effortlessly outshines the competition. It reduces the number of fixtures required for the same area, while delivering unparalleled brightness. Thanks to its innovative design and engineering, the Round-Max offers swift installation, taking as little as 60 seconds to install. It's the perfect choice for illuminating oil & gas refineries, shipyards, power plants, and various industrial applications.



ROUND MAX SERIES ALCOHOL FACTORY, KENTUCKY

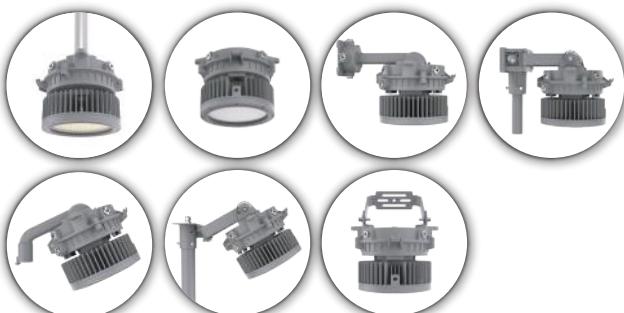
FEATURES



» **Quick Installation**
60 seconds installation time



» **Flexible Installation**
7 different mounting options



» **Instant Illumination and Restrike**
Four lumen outputs provide 320-1000W HID/MH equivalent lighting (12,000 to 26,000Lm)
Polycarbonate and tempered glass with three different optics

RATINGS

| | |
|--------------------------------------|-------------------------------------------|
| Class I Division 2, Group A, B, C, D | Simultaneous Presence |
| Class II Division 1 Group E, F, G | UL 1598 Wet Locations |
| Class II Division 2, Group F, G | UL 1598A Marine Outside Type (Salt Water) |
| Class III | IP66 |
| Class I, Zone 2, Group IIC | IK08(Glass) / IK10(PC) |
| Zone 21, Group IIIC | Salt Spray 720 hrs (ASTM B117) NEMA 4X |

CERTIFICATIONS

| |
|------------------------|
| UL844 |
| UL1598 |
| UL1598A |
| CSA C22.2 No.137 |
| CSA C22.2 No.250.0 |
| DLC Standard* |
| FCC Part 15, Subpart B |

* Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualification.

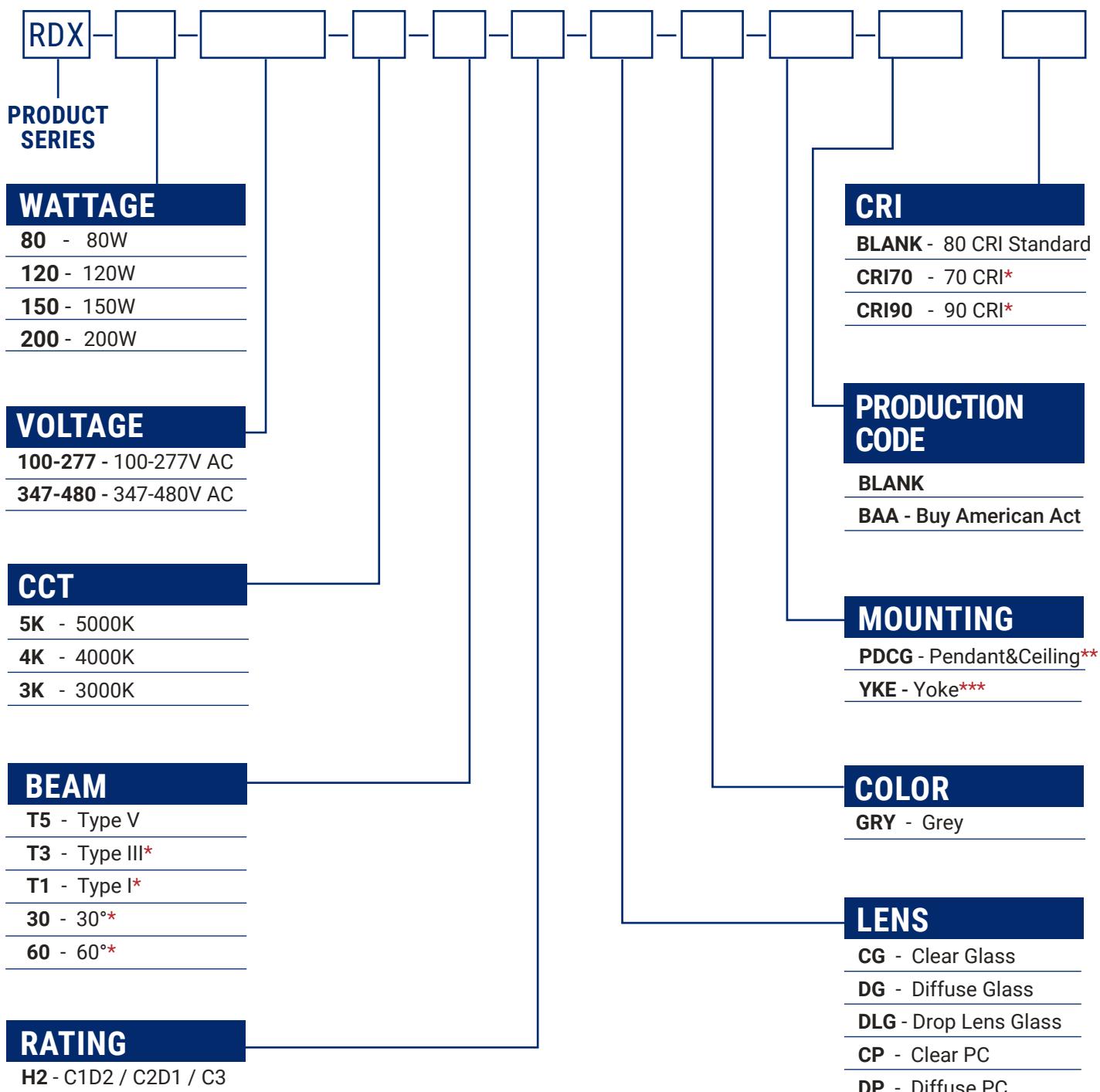
TECHNICAL PARAMETERS

| Specification | RDX-80 | RDX-120 | RDX-150 | RDX-200 |
|------------------------------------|------------------------------------------------------------------------------|------------------------------|------------------------------|----------|
| Electrical Parameters | | | | |
| Power | 80W | 120W | 150W | 200W |
| Rated Input Current(120V AC) | 0.740A | 1.111A | 1.388A | 1.851A |
| Rated Input Current(277V AC) | 0.320A | 0.481A | 0.601A | 0.802A |
| Rated Input Current(347V AC) | 0.256A | 0.384A | 0.480A | 0.640A |
| Rated Input Current(480V AC) | 0.185A | 0.277A | 0.347A | 0.462A |
| Voltage/Frequency | 100-277V AC, 347-480V AC 50/60Hz | | | |
| Power Factor | ≥0.90 | | | |
| THD | <20% | | | |
| L70 | 112,000 hrs@149°F | 112,000 hrs@140°F | 110,000 hrs@131°F | |
| Dimming | 0-10V, Range 10-100% | | | |
| Surge Protection | 10KV | | | |
| Supply Wire | 12-18AWG, Rated 90°C | | | |
| Warranty | LEDs: 10 years, Driver: 7 years | | | |
| Optical Parameters | | | | |
| Lumen Output* | 12,157Lm | 17,388Lm | 21,771Lm | 26,076Lm |
| Lumen Efficacy* | 148Lm/W | | | |
| Available Beam Angle | T1/T3/T5/30°/60° | | | |
| Correlated Color Temperature (CCT) | 3000K/4000K/5000K | | | |
| Color Rendering Index (CRI) | 80 CRI | | | |
| Mechanical Parameters | | | | |
| Housing Material | Copper-free (< 0.4%) aluminum | | | |
| Hardware | Stainless steel 316 | | | |
| Lens Material | Tempered Glass or Polycarbonate | | | |
| Mounting Options | Pendant, Ceiling, Stanchion, Wall, Yoke, Junction Box, Stanchion slip fitter | | | |
| Product Weight | 21.6lbs/9.8kg | | | |
| Package Weight | 23.7lbs/10.8kg | | | |
| Cable Entry | (6) 3/4" NPT | | | |
| Product Dimensions(L×W×H) | Φ10.6×9.1in (Φ270×230mm) | | | |
| Package Dimensions(L×W×H) | Φ13×11in (Φ330×280mm) | | | |
| Environmental Parameters | | | | |
| Ambient Operating Temperature | -40°F ~ +149°F(-40°C ~ 65°C) | -40°F ~ +140°F(-40°C ~ 60°C) | -40°F ~ +131°F(-40°C ~ 55°C) | |
| T-Code Rating | CID2 – T4A, CIID1 – T4A | | | |
| EPA wind rating (FT2) | 1.342(Yoke), 1.372(Ceiling), 1.222(Stanchion) | | | |

* Value calculated based on 5000K, 80 CRI and Clear glass, varies to different spec.
CRI 70 & CRI 90 optional, DLC available with CRI 70 only.

ROUND MAX SERIES ORDERING INFORMATION

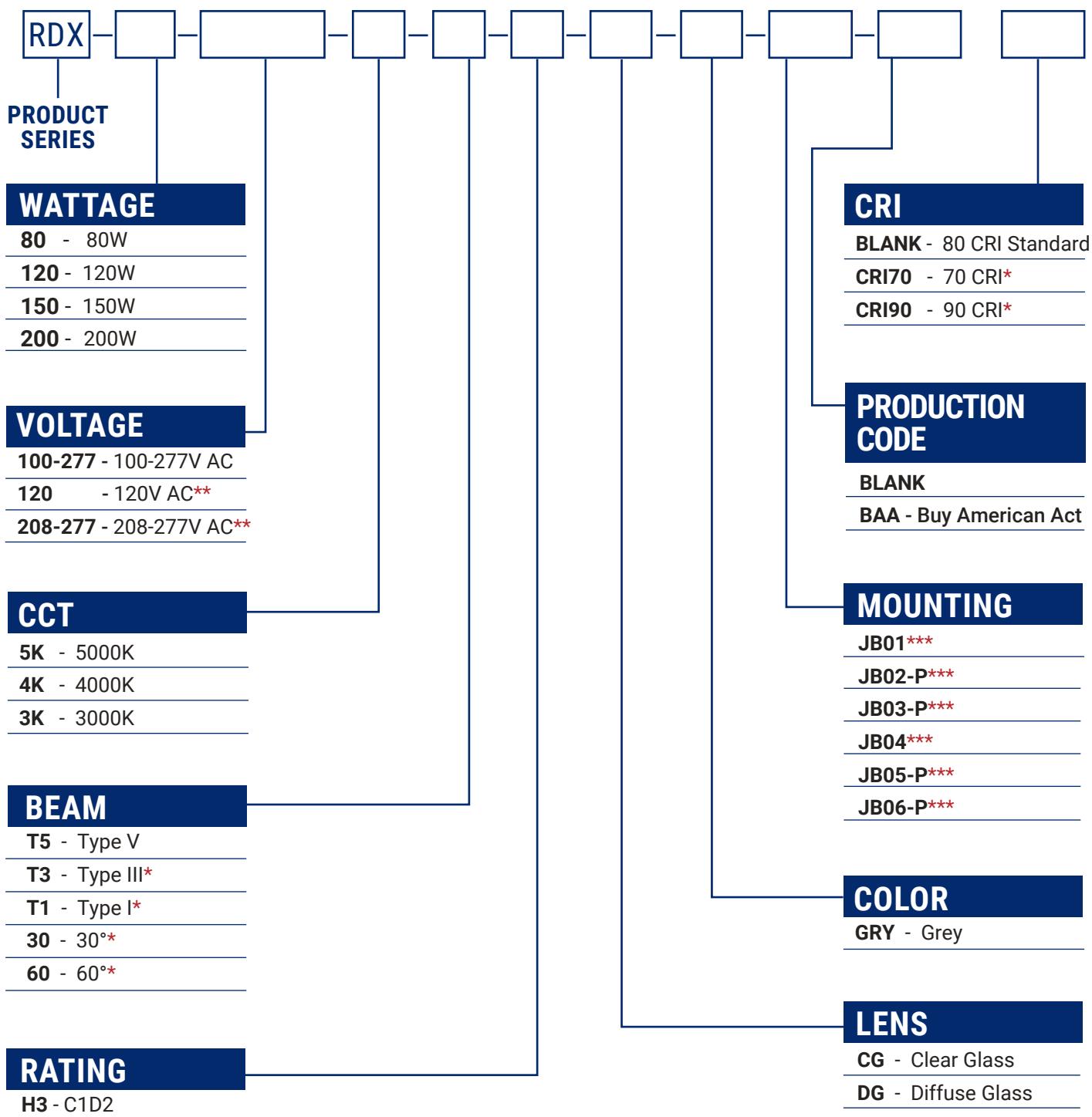
EXAMPLE: RDX-80-100-277-5K-T5-H2-CG-GRY-PDCG-BAA



- * T1 , T3 , 30° , 60° Optic available with Clear Glass and Clear PC Option only, CRI 90 option – expect longer lead time.
- DLC available with 70 CRI only. Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualification.
- ** No accessory required for Pendant & Ceiling Mount
- ** For mounting options: Stanchion / WALL, accessories ordered separately
- *** RDX-YOKE Pre-installed.

ORDERING INFORMATION (JUNCTION BOX MODELS)

EXAMPLE: RDX-80-120-5K-T5-H3-CG-GRY-JB02-P-BAA



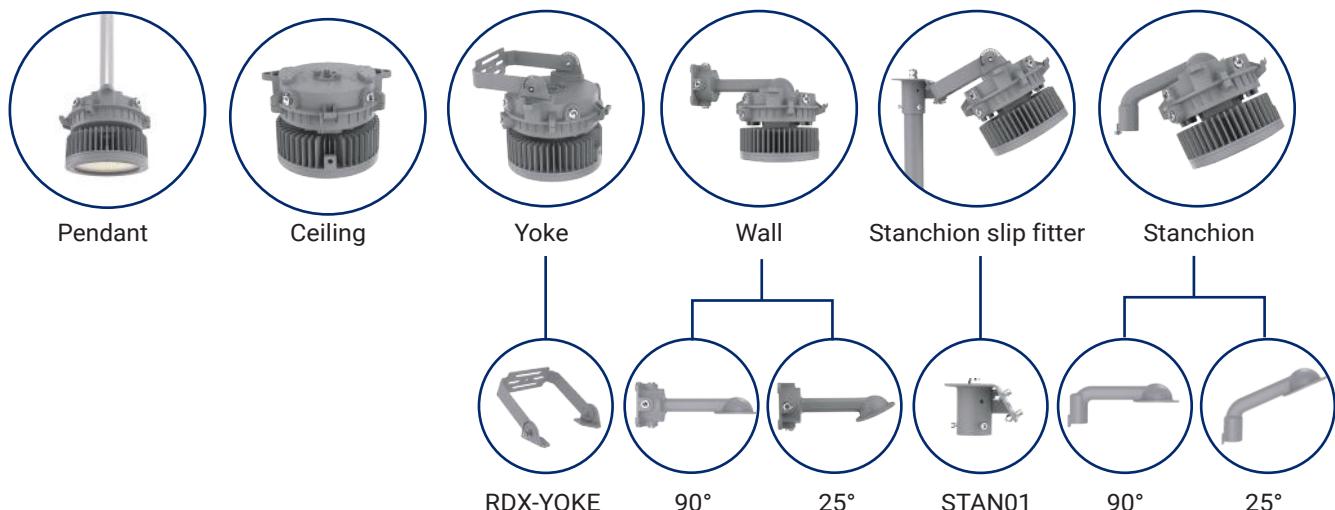
* T1 , T3 , 30° , 60° Optic available with Clear Glass and Clear PC Option only,
CRI 90 option – expect longer lead time.

DLC available with 70 CRI only. Not all product variations listed on this page are DLC qualified.
Visit www.designlights.org/search to confirm qualification.

** 120V AC only for JB02-P and JB05-P; 208-77V AC only for JB03-P and JB06-P.

*** JB01: 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) NPT Threaded Slip-Fit Junction Box,
JB02-P: 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) NPT Threaded Slip-Fit Junction Box + Sensor (120V),
JB03-P: 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) NPT Threaded Slip-Fit Junction Box + Sensor (208-277V),
JB04: 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) Non-Threaded Slip-Fit Junction Box,
JB05-P: 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) Non-Threaded Slip-Fit Junction Box + Sensor (120V),
JB06-P: 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) Non-Threaded Slip-Fit Junction Box + Sensor (208-277V)
【JB01,JB02-P,JB03-P,JB04,JB05-P,JB06-P For luminaires marked for Class I, Division 2(H3)】

MOUNTING ACCESSORIES

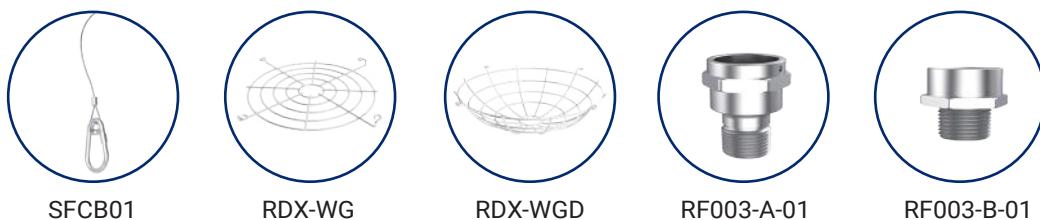


| Mounting Method | PN | Description | MPN Code |
|---------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Yoke | RDX-YOKE | Yoke Mount, SUS304, Powder-Coated Grey RAL 7037 | 201010095 |
| Wall | RDX-WL90 * | Wall Mount, 90 Degrees, Powder-Coated Grey RAL 7037 | 309050252 |
| | WL2502 * | Wall Mount, 25 Degrees, Powder-Coated Grey RAL 7037 | 309050317 |
| Stanchion slip fitter (Straight Pole) | STAN01 ** | Slip-Fit Stanchion Mount Kit for 2 inch Diameter (2-3/8 inch OD, 60mm OD) Poles, Non-Threaded, SUS304, Powder-Coated Grey RAL 7037 | 309050300 |
| Stanchion | RDX-SN2501 * | Stanchion Mount 25 Degree, NPT1-1/2 | 309050246 |
| | RDX-SN2502 * | Stanchion Mount 25 Degree, NPT1-1/4 | 309050244 |
| | RDX-SN9001 * | Stanchion Mount 90 Degree, NPT1-1/2 | 309050250 |
| | RDX-SN9002 * | Stanchion Mount 90 Degree, NPT1-1/4 | 309050248 |

* Packed separately

** Packed separately and Requires A Yoke Mount

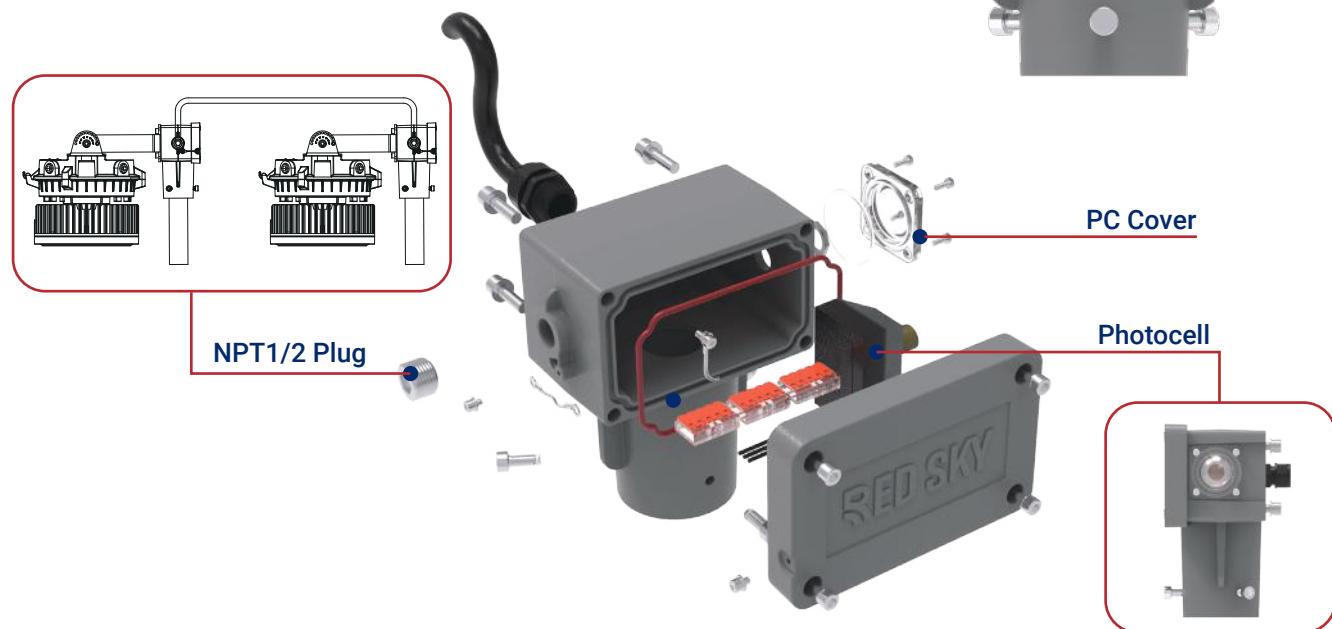
OTHER ACCESSORIES



| PN | Description | MPN Code |
|------------|------------------------------------------------------------------|-----------|
| SFCB01 | Safety Cable Kit, SS304 | 106060018 |
| RDX-WG | Wire Guard for Flat Glass Lens | 310010110 |
| RDX-WGD | Wire Guard for Drop Glass Lens | 310010111 |
| RF003-A-01 | SUS304, 1 inch to 3/4 inch NPT Reducer for Pendant | 309050400 |
| RF003-B-01 | SUS304, 1 inch to 3/4 inch NPT Reducer for Yoke & Ceiling & Wall | 309050401 |

SLIP-FIT JUNCTION BOX

The **Junction Box** is a multi-piece assembly featuring a copper-free, cast-aluminum housing, front cover, and cable gland. The design accommodates both stanchion installation and other mounting options. It is compatible with 2" (2 3/8" OD) and 1.5" (1.9" OD) poles, both NPT-threaded and non-threaded.



FEATURES

- Weather-resistant finish suitable for wet locations and marine environments
- WAGO 211 lever connectors (5-pole, UL/CSA, 18-12 AWG) for easy, hassle-free wiring
- Wiring access cover with captive screws and a rear hub featuring NPT 1/2" threads for daisy-chain wiring
- Optional C1D2 Photocell Sensor built-in
- Ambient temperature range: -45°C to +65°C (-49°F to 149°F)
- Shock and vibration-resistant design

CERTIFICATIONS & RATINGS

- UL844
- UL1598
- UL1598A
- CSA C22.2 NO. 250.0
- CSA C22.2 No. 137
- Class I Division 2, Groups A, B, C, D
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type (Salt Water)
- NEMA 3R
- IP66
- IK10
- Salt Spray 720 hrs (ASTM B117)



REPLACEMENT PARTS (ORDERED SEPARATELY)

| Part Number | Description | MPN Code |
|------------------------|-------------------------------------------------------------------------------------------------------------|-----------|
| RDX-80-100-277-Driver | Replacement Driver Kit for RDX-80-100-277 Fixtures | 303010034 |
| RDX-120-100-277-Driver | Replacement Driver Kit for RDX-120-100-277 Fixtures | 303010035 |
| RDX-150-100-277-Driver | Replacement Driver Kit for RDX-150-100-277 Fixtures | 303010036 |
| RDX-200-100-277-Driver | Replacement Driver Kit for RDX-200-100-277 Fixtures | 303010037 |
| RDX-80-347-480-Driver | Replacement Driver Kit for RDX-80-347-480 Fixtures | 303010038 |
| RDX-120-347-480-Driver | Replacement Driver Kit for RDX-120-347-480 Fixtures | 303010039 |
| RDX-150-347-480-Driver | Replacement Driver Kit for RDX-150-347-480 Fixtures | 303010040 |
| RDX-200-347-480-Driver | Replacement Driver Kit for RDX-200-347-480 Fixtures | 303010041 |
| CG003-A-01 | Replacement Clear Glass Lens for RDX | 303030007 |
| DG003-A-01 | Replacement Diffuse Glass Lens for RDX | 303030008 |
| DLG003-A-01 | Replacement Drop Glass Lens for RDX | 303030009 |
| CP003-A-01 | Replacement Clear PC Lens for RDX | 303030010 |
| DP003-A-01 | Replacement Diffuse PC Lens for RDX | 303030011 |
| JB01 | 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) NPT Threaded Slip-Fit Junction Box | 309050379 |
| JB02-P | 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) NPT Threaded Slip-Fit Junction Box + Sensor (120V) | 309050380 |
| JB03-P | 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) NPT Threaded Slip-Fit Junction Box + Sensor (208-277V) | 309050381 |
| JB04 | 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) Non-Threaded Slip-Fit Junction Box | 309050382 |
| JB05-P | 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) Non-Threaded Slip-Fit Junction Box + Sensor (120V) | 309050383 |
| JB06-P | 1.5 inch (1.9 inch OD) and 2 inch (2-3/8 inch OD) Non-Threaded Slip-Fit Junction Box + Sensor (208-277V) | 309050384 |
| JB003-A-01 | RDX Custom Bracket Assembly | 309050396 |
| GLCO-03 | 3 ft Cord (SOOW 14 AWG x 3, 105 degrees Celsius, 600V) with Cable Gland | 204020003 |
| GLCO-10 | 10 ft Cord (SOOW 14 AWG x 3, 105 degrees Celsius, 600V) with Cable Gland | 204020004 |

LUMEN TABLE

| Part Number | Wattage (W) | CCT | CRI | Beam | Lens | Lumen Output (Lm) | Efficiency (Lm/W) |
|---------------------------------------------|-------------|-------|-----|--------|-----------------|-------------------|-------------------|
| Voltage 100-277VAC 80 CRI • STANDARD | | | | | | | |
| RDX-80-100-277-5K-T5-H2-CG-PDCG | 80 | 5000K | 80 | Type V | Clear Glass | 12,157 | 147 |
| RDX-80-100-277-5K-T5-H2-DG-PDCG | 80 | 5000K | 80 | Type V | Diffuse Glass | 10,627 | 128 |
| RDX-80-100-277-5K-T5-H2-CP-PDCG | 80 | 5000K | 80 | Type V | Clear PC | 11,547 | 141 |
| RDX-80-100-277-5K-T5-H2-DP-PDCG | 80 | 5000K | 80 | Type V | Diffuse PC | 9,500 | 115 |
| RDX-80-100-277-5K-T5-H2-DLG-PDCG | 80 | 5000K | 80 | Type V | Drop Lens Glass | 11,915 | 144 |
| RDX-120-100-277-5K-T5-H2-CG-PDCG | 120 | 5000K | 80 | Type V | Clear Glass | 17,388 | 147 |
| RDX-120-100-277-5K-T5-H2-DG-PDCG | 120 | 5000K | 80 | Type V | Diffuse Glass | 15,076 | 128 |
| RDX-120-100-277-5K-T5-H2-CP-PDCG | 120 | 5000K | 80 | Type V | Clear PC | 16,755 | 142 |
| RDX-120-100-277-5K-T5-H2-DP-PDCG | 120 | 5000K | 80 | Type V | Diffuse PC | 13,702 | 116 |
| RDX-120-100-277-5K-T5-H2-DLG-PDCG | 120 | 5000K | 80 | Type V | Drop Lens Glass | 16,893 | 143 |
| RDX-150-100-277-5K-T5-H2-CG-PDCG | 150 | 5000K | 80 | Type V | Clear Glass | 21,771 | 148 |
| RDX-150-100-277-5K-T5-H2-DG-PDCG | 150 | 5000K | 80 | Type V | Diffuse Glass | 18,349 | 124 |
| RDX-150-100-277-5K-T5-H2-CP-PDCG | 150 | 5000K | 80 | Type V | Clear PC | 20,617 | 139 |
| RDX-150-100-277-5K-T5-H2-DP-PDCG | 150 | 5000K | 80 | Type V | Diffuse PC | 16,766 | 113 |
| RDX-150-100-277-5K-T5-H2-DLG-PDCG | 150 | 5000K | 80 | Type V | Drop Lens Glass | 20,613 | 139 |
| RDX-200-100-277-5K-T5-H2-CG-PDCG | 200 | 5000K | 80 | Type V | Clear Glass | 26,076 | 132 |
| RDX-200-100-277-5K-T5-H2-DG-PDCG | 200 | 5000K | 80 | Type V | Diffuse Glass | 22,305 | 113 |
| RDX-200-100-277-5K-T5-H2-CP-PDCG | 200 | 5000K | 80 | Type V | Clear PC | 25,818 | 129 |
| RDX-200-100-277-5K-T5-H2-DP-PDCG | 200 | 5000K | 80 | Type V | Diffuse PC | 21,642 | 107 |
| RDX-200-100-277-5K-T5-H2-DLG-PDCG | 200 | 5000K | 80 | Type V | Drop Lens Glass | 24,933 | 127 |

347–480Vac models deliver the same lumen output as the 100–277Vac models.

This table lists only selected lumen packages. For additional model parameters, please contact our sales team.

Note: LXX# = nominal lumens. Verify lumen package before ordering.

 **LUMEN TABLE**

| Part Number | Wattage (W) | CCT | CRI | Beam | Lens | Lumen Output (Lm) | Efficiency (Lm/W) |
|-----------------------------------------|-------------|-------|-----|--------|-----------------|-------------------|-------------------|
| Voltage 100-277VAC 70 CRI | | | | | | | |
| RDX-80-100-277-5K-T5-H2-CG-PDCG CRI70 | 80 | 5000K | 70 | Type V | Clear Glass | 12,720 | 159 |
| RDX-80-100-277-5K-T5-H2-DG-PDCG CRI70 | 80 | 5000K | 70 | Type V | Diffuse Glass | 11,280 | 141 |
| RDX-80-100-277-5K-T5-H2-CP-PDCG CRI70 | 80 | 5000K | 70 | Type V | Clear PC | 12,320 | 154 |
| RDX-80-100-277-5K-T5-H2-DP-PDCG CRI70 | 80 | 5000K | 70 | Type V | Diffuse PC | 10,165 | 126 |
| RDX-80-100-277-5K-T5-H2-DLG-PDCG CRI70 | 80 | 5000K | 70 | Type V | Drop Lens Glass | 12,400 | 155 |
| RDX-120-100-277-5K-T5-H2-CG-PDCG CRI70 | 120 | 5000K | 70 | Type V | Clear Glass | 19,320 | 161 |
| RDX-120-100-277-5K-T5-H2-DG-PDCG CRI70 | 120 | 5000K | 70 | Type V | Diffuse Glass | 17,040 | 142 |
| RDX-120-100-277-5K-T5-H2-CP-PDCG CRI70 | 120 | 5000K | 70 | Type V | Clear PC | 18,417 | 152 |
| RDX-120-100-277-5K-T5-H2-DP-PDCG CRI70 | 120 | 5000K | 70 | Type V | Diffuse PC | 14,661 | 127 |
| RDX-120-100-277-5K-T5-H2-DLG-PDCG CRI70 | 120 | 5000K | 70 | Type V | Drop Lens Glass | 18,720 | 156 |
| RDX-150-100-277-5K-T5-H2-CG-PDCG CRI70 | 150 | 5000K | 70 | Type V | Clear Glass | 23,850 | 159 |
| RDX-150-100-277-5K-T5-H2-DG-PDCG CRI70 | 150 | 5000K | 70 | Type V | Diffuse Glass | 21,150 | 141 |
| RDX-150-100-277-5K-T5-H2-CP-PDCG CRI70 | 150 | 5000K | 70 | Type V | Clear PC | 22,800 | 152 |
| RDX-150-100-277-5K-T5-H2-DP-PDCG CRI70 | 150 | 5000K | 70 | Type V | Diffuse PC | 17,940 | 124 |
| RDX-150-100-277-5K-T5-H2-DLG-PDCG CRI70 | 150 | 5000K | 70 | Type V | Drop Lens Glass | 22,950 | 153 |
| RDX-200-100-277-5K-T5-H2-CG-PDCG CRI70 | 200 | 5000K | 70 | Type V | Clear Glass | 29,600 | 148 |
| RDX-200-100-277-5K-T5-H2-DG-PDCG CRI70 | 200 | 5000K | 70 | Type V | Diffuse Glass | 26,000 | 130 |
| RDX-200-100-277-5K-T5-H2-CP-PDCG CRI70 | 200 | 5000K | 70 | Type V | Clear PC | 28,400 | 142 |
| RDX-200-100-277-5K-T5-H2-DP-PDCG CRI70 | 200 | 5000K | 70 | Type V | Diffuse PC | 23,156 | 119 |
| RDX-200-100-277-5K-T5-H2-DLG-PDCG CRI70 | 200 | 5000K | 70 | Type V | Drop Lens Glass | 28,400 | 142 |

347–480Vac models deliver the same lumen output as the 100–277Vac models.

This table lists only selected lumen packages. For additional model parameters, please contact our sales team.

Note: LXX# = nominal lumens. Verify lumen package before ordering.

LUMEN TABLE

| Part Number | Wattage (W) | CCT | CRI | Beam | Lens | Lumen Output (Lm) | Efficiency (Lm/W) |
|-----------------------------------------|-------------|-------|-----|--------|-----------------|-------------------|-------------------|
| Voltage 100-277VAC 90 CRI | | | | | | | |
| RDX-80-100-277-5K-T5-H2-CG-PDCG CRI90 | 80 | 5000K | 90 | Type V | Clear Glass | 10,406 | 126 |
| RDX-80-100-277-5K-T5-H2-DG-PDCG CRI90 | 80 | 5000K | 90 | Type V | Diffuse Glass | 9,097 | 110 |
| RDX-80-100-277-5K-T5-H2-CP-PDCG CRI90 | 80 | 5000K | 90 | Type V | Clear PC | 9,884 | 121 |
| RDX-80-100-277-5K-T5-H2-DP-PDCG CRI90 | 80 | 5000K | 90 | Type V | Diffuse PC | 8,132 | 98 |
| RDX-80-100-277-5K-T5-H2-DLG-PDCG CRI90 | 80 | 5000K | 90 | Type V | Drop Lens Glass | 10,199 | 123 |
| RDX-120-100-277-5K-T5-H2-CG-PDCG CRI90 | 120 | 5000K | 90 | Type V | Clear Glass | 14,884 | 126 |
| RDX-120-100-277-5K-T5-H2-DG-PDCG CRI90 | 120 | 5000K | 90 | Type V | Diffuse Glass | 12,905 | 110 |
| RDX-120-100-277-5K-T5-H2-CP-PDCG CRI90 | 120 | 5000K | 90 | Type V | Clear PC | 14,342 | 122 |
| RDX-120-100-277-5K-T5-H2-DP-PDCG CRI90 | 120 | 5000K | 90 | Type V | Diffuse PC | 11,729 | 99 |
| RDX-120-100-277-5K-T5-H2-DLG-PDCG CRI90 | 120 | 5000K | 90 | Type V | Drop Lens Glass | 14,460 | 122 |
| RDX-150-100-277-5K-T5-H2-CG-PDCG CRI90 | 150 | 5000K | 90 | Type V | Clear Glass | 18,636 | 127 |
| RDX-150-100-277-5K-T5-H2-DG-PDCG CRI90 | 150 | 5000K | 90 | Type V | Diffuse Glass | 15,707 | 106 |
| RDX-150-100-277-5K-T5-H2-CP-PDCG CRI90 | 150 | 5000K | 90 | Type V | Clear PC | 17,648 | 119 |
| RDX-150-100-277-5K-T5-H2-DP-PDCG CRI90 | 150 | 5000K | 90 | Type V | Diffuse PC | 14,352 | 97 |
| RDX-150-100-277-5K-T5-H2-DLG-PDCG CRI90 | 150 | 5000K | 90 | Type V | Drop Lens Glass | 17,645 | 119 |
| RDX-200-100-277-5K-T5-H2-CG-PDCG CRI90 | 200 | 5000K | 90 | Type V | Clear Glass | 22,321 | 113 |
| RDX-200-100-277-5K-T5-H2-DG-PDCG CRI90 | 200 | 5000K | 90 | Type V | Diffuse Glass | 19,093 | 97 |
| RDX-200-100-277-5K-T5-H2-CP-PDCG CRI90 | 200 | 5000K | 90 | Type V | Clear PC | 22,100 | 110 |
| RDX-200-100-277-5K-T5-H2-DP-PDCG CRI90 | 200 | 5000K | 90 | Type V | Diffuse PC | 18,526 | 92 |
| RDX-200-100-277-5K-T5-H2-DLG-PDCG CRI90 | 200 | 5000K | 90 | Type V | Drop Lens Glass | 21,343 | 109 |

347–480Vac models deliver the same lumen output as the 100–277Vac models.

This table lists only selected lumen packages. For additional model parameters, please contact our sales team.

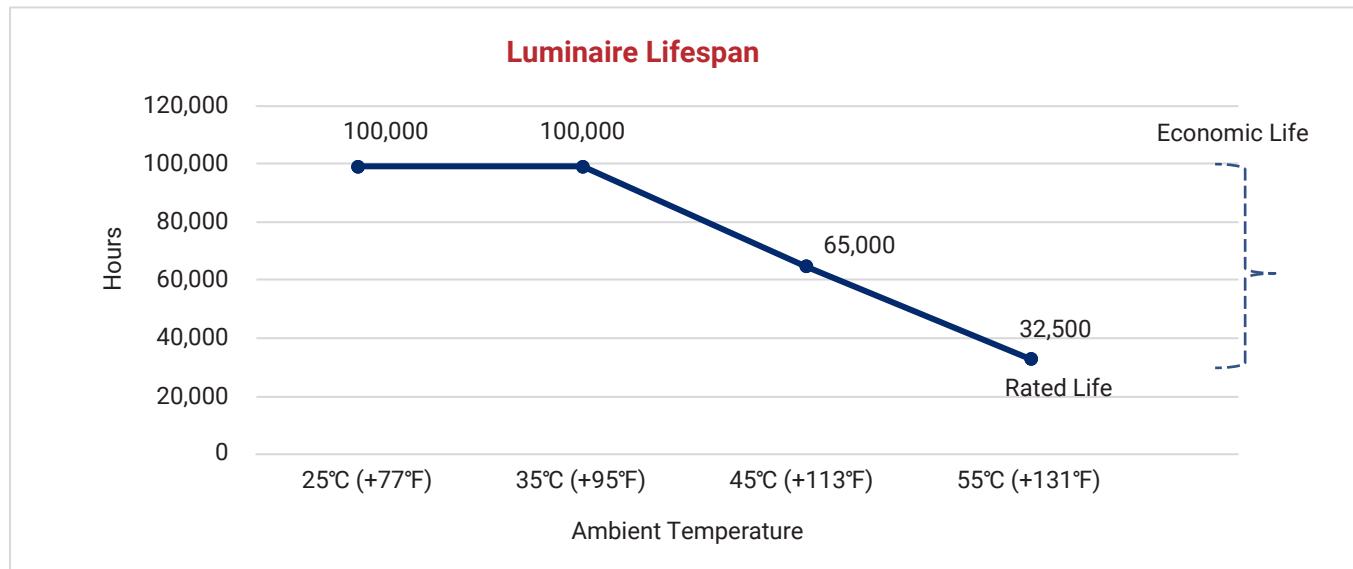
Note: LXX# = nominal lumens. Verify lumen package before ordering.

LUMEN MAINTENANCE

| Hours Ambient \ | 0 | 15,000 | 30,000 | 45,000 | 60,000 | 75,000 | 90,000 | 100,000 | 150,000 |
|-----------------|------|--------|--------|--------|--------|--------|--------|---------|---------|
| 25°C | 100% | 96% | 92% | 88% | 84% | 80% | 76% | 74% | 63% |
| 35°C | 100% | 96% | 92% | 88% | 84% | 80% | 76% | 74% | 63% |
| 45°C | 100% | 96% | 92% | 88% | 84% | 80% | 76% | 74% | 63% |
| 55°C | 100% | 96% | 91% | 87% | 83% | 79% | 75% | 73% | 62% |

LUMINAIRE LIFESPAN

| Ambient Temperature | Luminaire Lifespan (Hours) | Rated Service Life - Years (24/7 Operation) | Rated Service Life - Years (12/7 Operation) |
|---------------------|----------------------------|---------------------------------------------|---------------------------------------------|
| 25°C (+77°F) | 100,000 | 11 | 23 |
| 35°C (+95°F) | 100,000 | 11 | 23 |
| 45°C (+113°F) | 65,000 | 7 | 15 |
| 55°C (+131°F) | 32,500 | 4 | 7 |



Information shown for reference only and may vary by configuration.

A DIRECT RETROFIT FROM HID TO LED

The RDX series LED is easy to retrofit in the same configuration as your existing HID luminaires. For example, a 200-watt Round Max (RDX-200) delivers virtually the same illumination as its equivalent 750 watt Metal Halide luminaire while providing 80% reduction in energy costs and up to 145,000 hours of continuous operation.

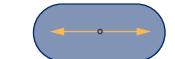
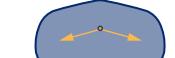
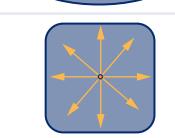
| MODELS | Lumen Output (Lm) | MH Equivalent (W) | HPS Equivalent (W) |
|---------|-------------------|-------------------|--------------------|
| RDX-80 | 12,157 | 250 | 310 |
| RDX-120 | 17,388 | 400 | 400 |
| RDX-150 | 21,771 | 450 | 400 |
| RDX-200 | 26,076 | 750 | 600 |

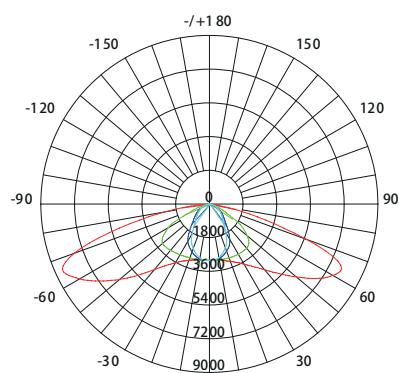
THE RIGHT BEAM PATTERN FOR YOUR APPLICATION

RSL optic package is engineered to deliver maximum footcandles efficiently where you need them, without wasted light or overspill.

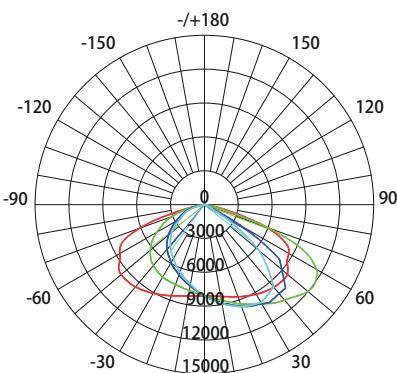
RSL offers complimentary lighting design services for our products using industry-leading AGI32 software, tailored for projects of all sizes in harsh and hazardous locations. We assist you in determining the number of fixtures needed, the types of lights to use, their optimal placement, and how to maximize energy savings—all within budget.

Simply fill out the form (<https://www.redskylighting.com/lighting-design>) with a few key details, request a layout, and we'll bring your ideas to life within 2-5 business days.

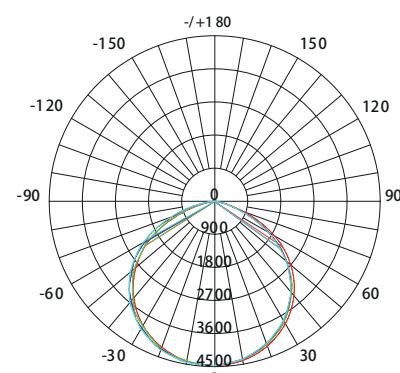
| Beam | NEMA/IESNA Type | Beam Description | Beam Projection Distance |
|------|---------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 30° | NEMA 3 | Medium Narrow |  |
| 60° | NEMA 4 | Medium |  |
| 90° | NEMA 5 | Medium Wide |  |
| 120° | NEMA 6 | Wide |  |
| T1 | Type I | Asymmetric distributions, well suited for narrow areas, such as Conveyor belts, Aisles, Catwalks, Loading docks and Tunnels. |  |
| T2 | Type II | Asymmetric distributions, well suited for narrow areas, such as roadways, paths and driveways. |  |
| T3 | Type III | Asymmetric distributions, well suited for site / area perimeters, wide roadways, and open areas. |  |
| T5 | NEMA 7 Type V (Square) | Very Wide: symmetrical pattern with excellent uniformity for large, open areas. |  |



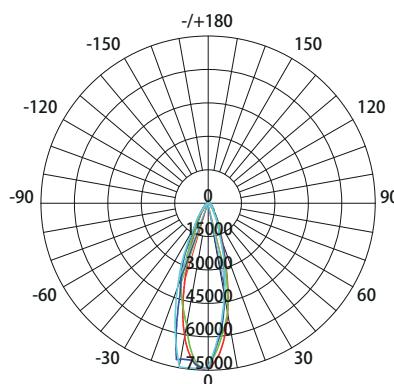
Type I



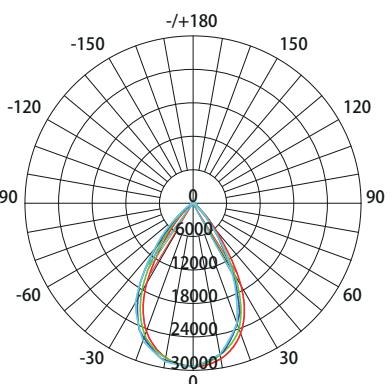
Type III



Type V



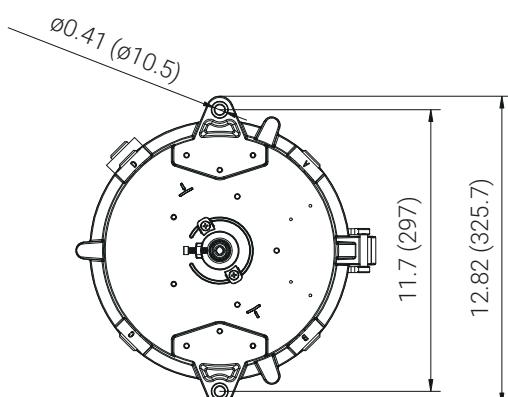
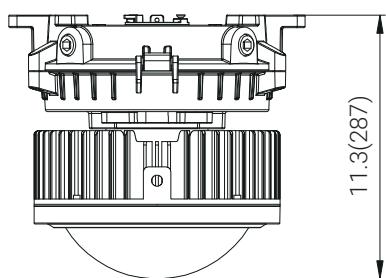
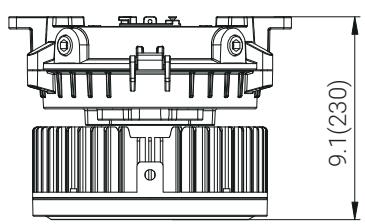
30°



60°

DIMENSIONS

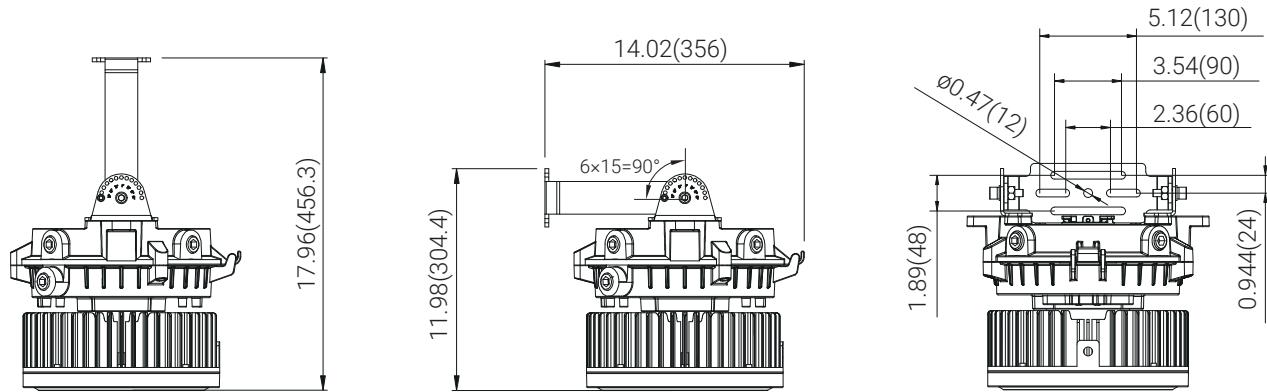
unit: in(mm)



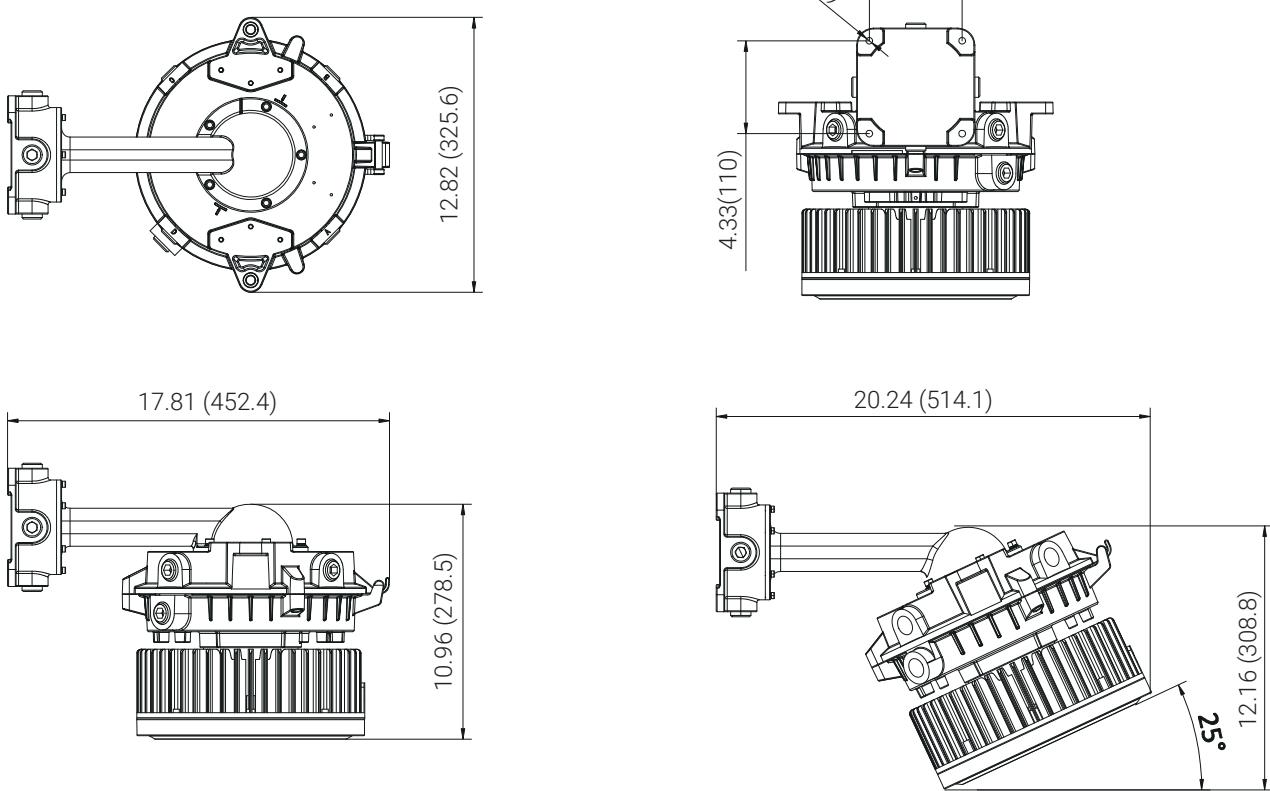
Pendant/Ceiling

DIMENSIONS

unit: in(mm)



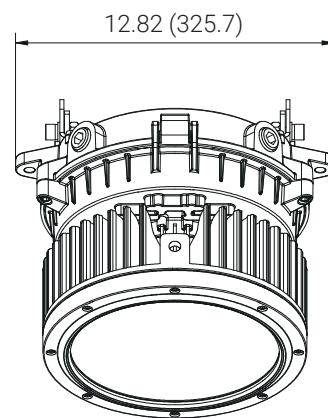
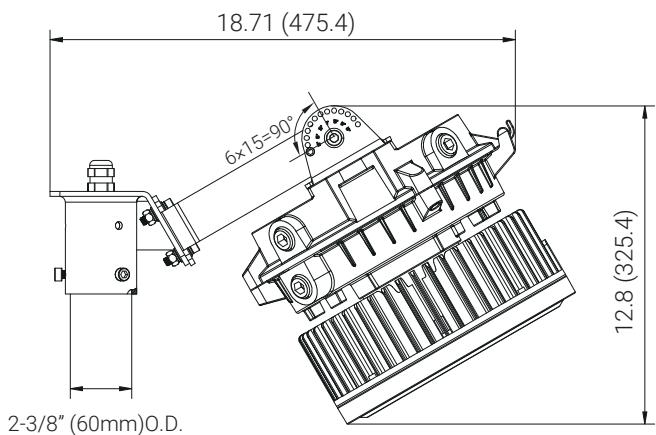
Yoke



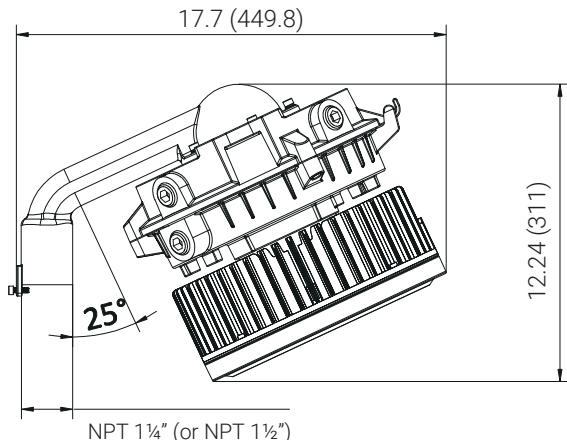
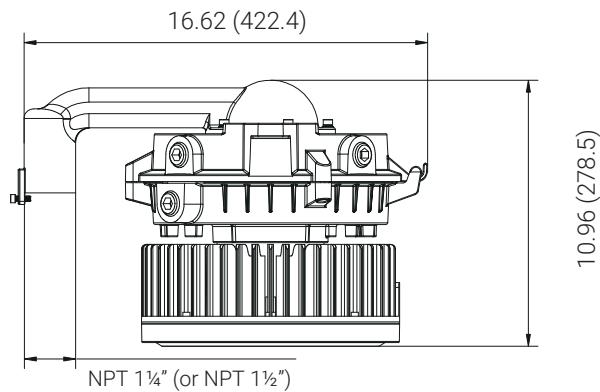
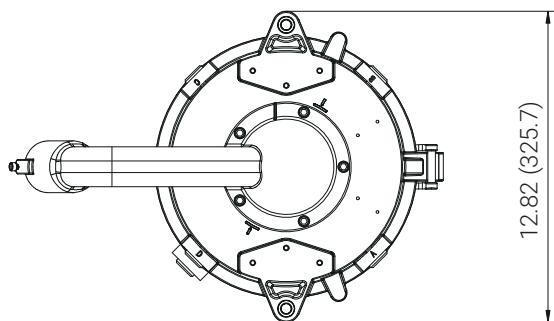
Wall

DIMENSIONS

unit: in(mm)



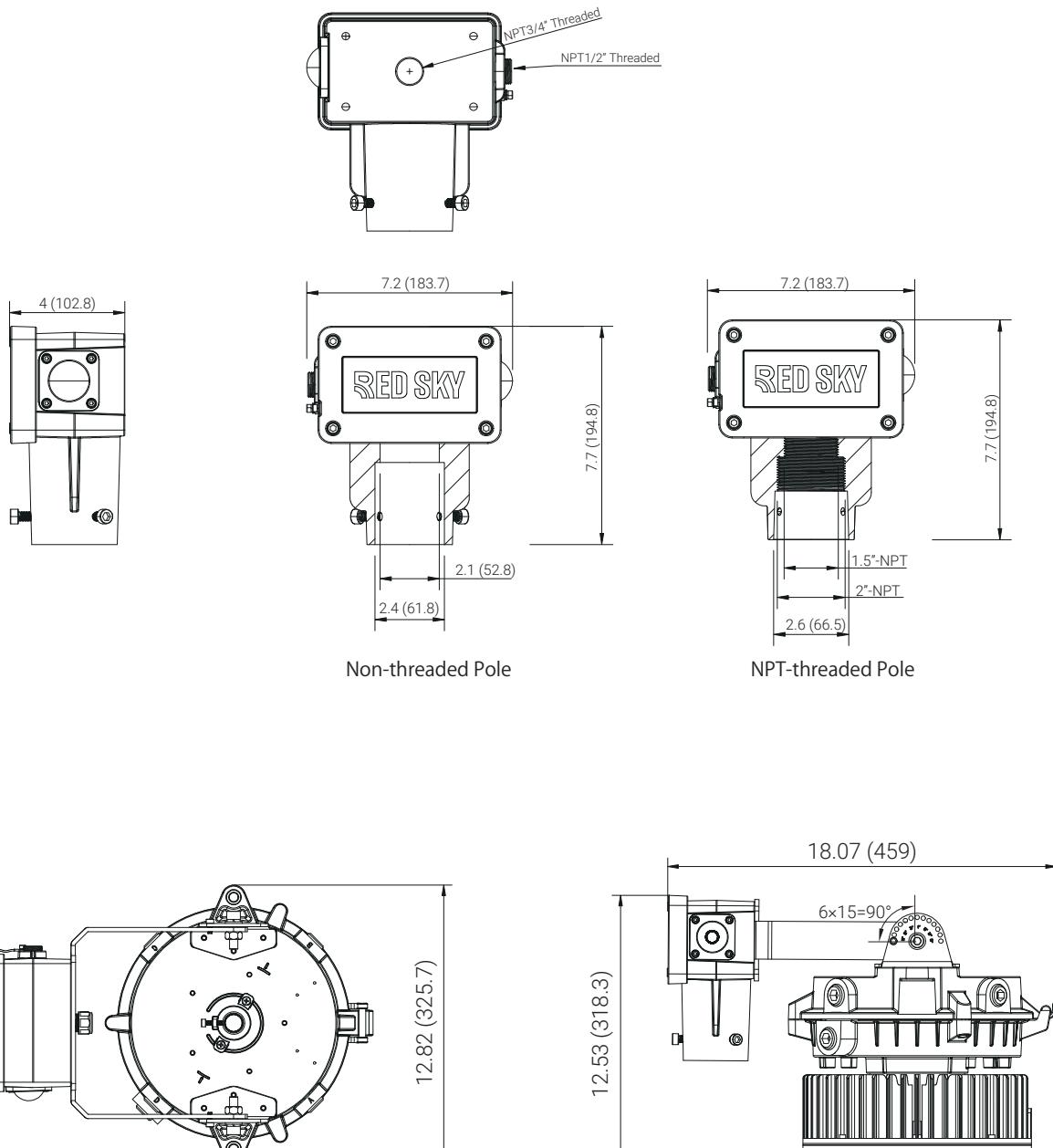
Stanchion slip fitter
(Straight Pole)



Stanchion

DIMENSIONS

unit: in(mm)



Slip-fit Junction Box

HAZARDOUS LOCATION LIGHTING BASICS

Atmosphere Groups

Temperature Classification

| Substance | Hazard Class | Division Groups | Zone Groups | Max. Surface Temperatures | NEC®500 CEC® | NEC®500/IEC-Group II |
|------------------------------------------------------------------------------------------|-------------------------------|----------------------|-------------------|---------------------------|--------------|--------------------------------------|
| Acetylene | Class I Flammable Gases | Group A | IIC | 450°C(842°F) | T1 | T1 T2 T2A T2B T2C T2D |
| Hydrogen | | Group B | IIC | 300°C(572°F) | T2 | |
| Ethylene | | Group C | IIB | 280°C(536°F) | T2A | |
| Propane | | Group D | IIA | 260°C(500°F) | T2B | |
| Methane | | Group D | IIA ² | 230°C(446°F) | T2C | |
| Combustible Metal Dusts | Class II Combustible Dusts | Group E ¹ | IIIC ³ | 215°C(419°F) | T2D | T3 T3A T3B T3C T4 T4A |
| Combustible Carbonaceous Dust | | Group F | IIIB ³ | 200°C(392°F) | T3 | |
| Combustible Dusts not in Group E or F (Flour, Grain, Wood, Plastics, Chemicals) | | Group G | IIIB ³ | 180°C(256°F) | T3A | |
| Combustible Fibers and Flyings | Class III Fibers and Flyings | Not Applicable | IIIA ³ | 165°C(329°F) | T3B | |
| Note 1: Group E is applicable to Class II, Division 1 only. | | | | 160°C(320°F) | T3C | |
| Note 2: Methane is a Group IIA Gas for non-mining applications. | | | | 135°C(275°F) | T4 | T4 T5 T5 |
| Note 3: Group IIIA, IIIB and IIIC have not been adopted by the Canadian Electrical Code. | | | | 120°C(248°F) | T4A | |
| | | | | 100°C(212°F) | T5 | |
| | | | | 85°C(185°F) | T6 | T6 |

Classification of Divisions and Zones

| Hazard Level | Division Scheme | Zone Scheme | Definitions |
|----------------------------------|-----------------|------------------|----------------------------------------------------------------------------------------------------------------------|
| Continuous Hazard | Division 1 | Zone 0 / Zone 20 | A place in which an explosive atmosphere is continually present |
| Intermittent Hazard | | Zone 1 / Zone 21 | A place in which an explosive atmosphere is likely to occur in normal operation |
| Hazard Under Abnormal Conditions | Division 2 | Zone 2 / Zone 22 | A place in which an explosive atmosphere is not likely to occur in normal operation, but may occur for short periods |

IP Codes

| 1st No. | Solid Objects |
|---------|-----------------------------|
| 0 | No protection |
| 1 | Objects greater than 50mm |
| 2 | Objects greater than 12.5mm |
| 3 | Objects greater than 2.5mm |
| 4 | Objects greater than 1mm |
| 5 | Dust protected |
| 6 | Dust proof |

| 2nd No. | Liquids |
|---------|----------------------------------------|
| 0 | No protection |
| 1 | Vertically dripping |
| 2 | Dripping up to 15° |
| 3 | Limited spraying |
| 4 | Splashing from all directions |
| 5 | Hosing jets from all directions |
| 6 | Strong hosing jets from all directions |
| 7 | Temporary immersion |
| 8 | Continuous immersion |
| 9 | Steam-jet cleaning |

IK Ratings

| IK Code | Level of Protection Achieved |
|---------|--------------------------------------|
| IK00 | Not protected |
| IK01 | Protected against 0.14 joules impact |
| IK02 | Protected against 0.2 joules impact |
| IK03 | Protected against 0.35 joules impact |
| IK04 | Protected against 0.5 joules impact |
| IK05 | Protected against 0.7 joules impact |
| IK06 | Protected against 1 joules impact |
| IK07 | Protected against 2 joules impact |
| IK08 | Protected against 5 joules impact |
| IK09 | Protected against 10 joules impact |
| IK10 | Protected against 20 joules impact |



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Disclaimer

All product information is subject to change without notice.

Please contact Red Sky Lighting or your sales representative for the most up-to-date specifications.

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