

ROUND HARSH SERIES

LED LIGHTING FOR HARSH INDUSTRIAL ENVIRONMENTS



Reliable. Durable. Efficient.
5,000 to 11,500 lumen models

RED SKY
SERIOUSLY SAFE LIGHTS™

ABOUT RED SKY LIGHTING

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 and 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 HARSH SERIES



The compact yet robust Round Harsh Series is engineered to perform in tight, demanding industrial environments. With a 9-inch form factor, it delivers up to 150 lumens per watt using high-efficiency LEDs—ideal for confined areas in facilities exposed to moisture, dust, salt spray, and vibration.

Built for durability, it operates in high ambient temperatures up to 140°F (60°C) and delivers over 127,000 hours of reliable light at that temperature. Its robust housing supports performance in extreme cold as low as -40°F (-40°C). The integrated 1-10V dimmable driver helps minimize light pollution and reduce energy consumption.

For versatile lighting coverage, the Round Harsh Series offers three lens options and seven mounting configurations to adapt to varied layout needs. Pre-installed cords simplify setup, with flexible cord length options to support diverse installation scenarios. A universal mounting interface fits multiple ¾" NPT hubs, enhancing compatibility.

Backed by Red Sky Lighting's 10-year warranty, the Round Harsh Series delivers reliable, efficient lighting in harsh conditions. Compact but powerful, it's built to excel where space is limited and performance matters most.



ROUND HARSH SERIES

LOWA, USA

FEATURES



Quick Installation
60 seconds installation time



Compact and Light Weight Design

Flexible Installation
7 different mounting options



RATINGS

UL 1598 Wet Locations
UL 1598A Marine Outside Type(Salt Water)
IP66
IK08
Salt Spray 720 hrs (ISO 9227)
NEMA 4X

CERTIFICATIONS

UL 1598
UL 1598A
CSA C22.2 NO. 250.0
DLC Premium*
FCC Part 15, Subpart B

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

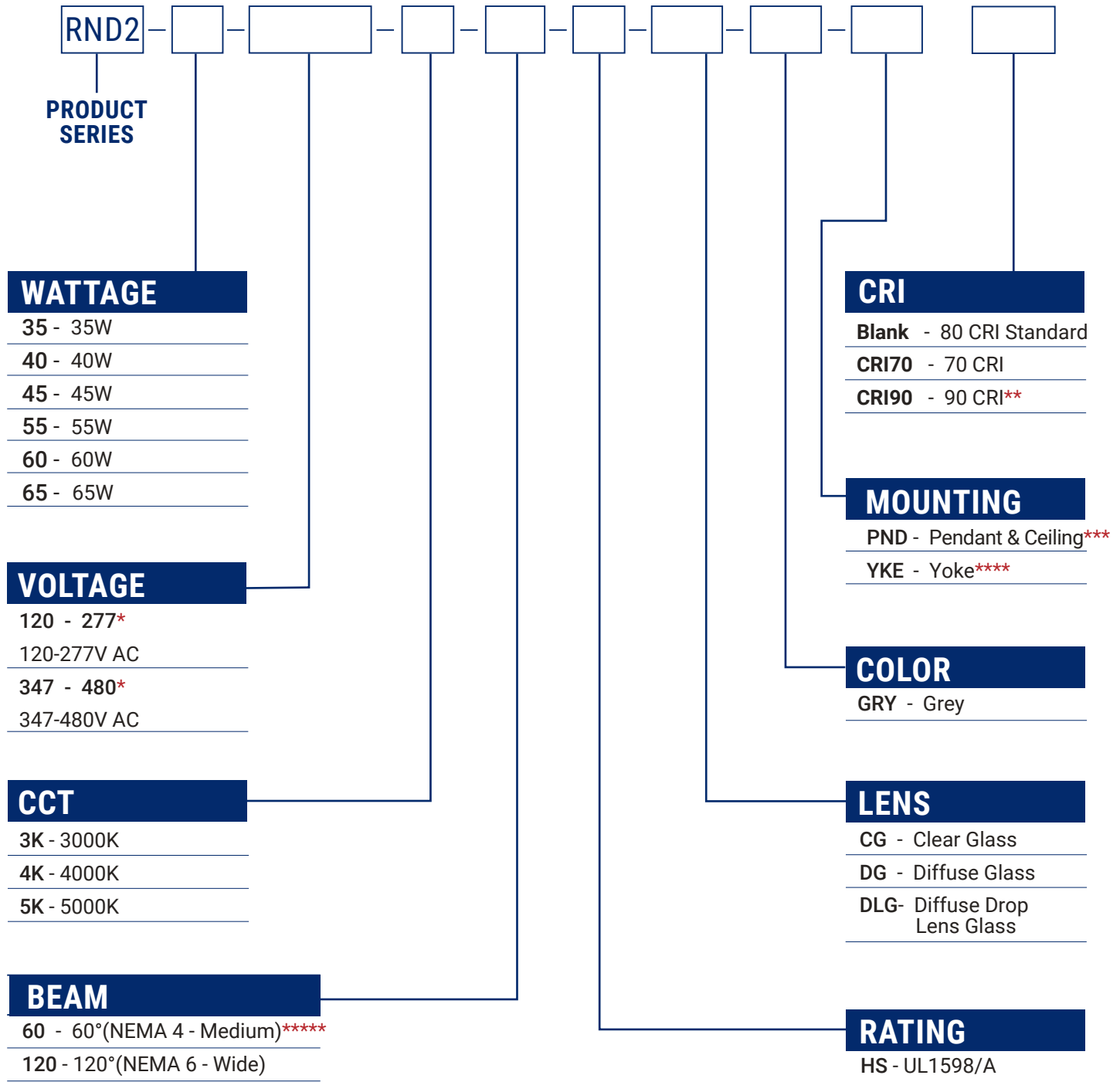
TECHNICAL PARAMETERS

Specification	RND2-35	RND2-40	RND2-45	RND2-55	RND2-60	RND2-65
Electrical Parameters						
Power	35W	40W	45W	55W	60W	65W
Rated Input Current(120V AC)	0.324A	/	0.416A	0.509A	/	0.601A
Rated Input Current(277V AC)	0.140A	/	0.180A	0.220A	/	0.260A
Rated Input Current(347V AC)	/	0.128A	/	/	0.192A	/
Rated Input Current(480V AC)	/	0.092A	/	/	0.138A	/
Voltage(V AC)	120-277	347-480	120-277	120-277	347-480	120-277
Frequency	50/60Hz					
Power Factor	≥0.90					
THD	<20%					
L70	127,000 hrs@140°F					
Dimming	0-10V, Range 10-100%				/	0-10V, Range 10-100%
Surge Protection	6KV			10KV	L\N-FG 4KV L-N 2KV	10KV
Supply Wire	12-18AWG , Rated 90°C					
Warranty	LEDs: 10 years, Driver: 7 years					
Optical Parameters						
Lumen Output*	4,802Lm	5,729Lm	6,156Lm	7,982Lm	9,139Lm	9,041Lm
Lumen Efficacy*	150Lm/W					
Available Beam Angle	60° / 120°					
Correlated Color Temperature (CCT)	3000K/4000K/5000K					
Color Rendering Index (CRI)	80 CRI					
Mechanical Parameters						
Housing Material	Die-cast aluminum					
Hardware	Stainless steel 316					
Lens Material	Tempered Glass					
Mounting Options	Pendant, Ceiling, Yoke, Wall, Stanchion, Pole					
Product Weight	11.0lbs / 5.0kg					
Package Weight	13.1lbs / 6.0kg					
Cable Entry	(5) 3/4" NPT					
Product Dimensions(L×W×H)	10.6×10.3×7.6in (269.4×262×191.7mm)					
Package Dimensions(L×W×H)	12.7×11.6×8.7in (323×295×220mm)					
Environmental Parameters						
Ambient Operating Temperature	-40°F ~ +140°F (-40°C ~ 60°C)					
EPA wind rating (FT2)	0.929(Yoke), 1.032(Ceiling), 0.917(Stanchion)					

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

ORDERING INFORMATION

EXAMPLE: RND2-65-120-277-5K-120-HS-CG-GRY-PND



* 120-277 only available for 35W,45W,55W,65W

* 347-480 only available for 40W, 60W

** CRI90 expects longer leadtime

*** No accessory required for Pendant & Ceiling Mount

**** RND-YOKE Pre-installed

***** Only available with Clear Glass

MOUNTING ACCESSORIES



Pendant



Ceiling



Yoke



Wall



Stanchion



Pole



Pole



RND-YOKE



WL2502



WL9002



SN2503
SN2504



SN9003
SN9004



STAN01

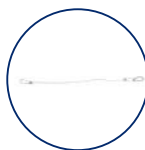


CLAMP01/02

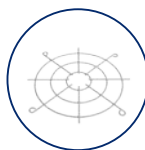
Mounting Method	PN	Description	MPN Code
Yoke	RND-YOKE	Yoke Mount, SUS304, Powder-Coated Grey RAL 7037	309050029
Wall	WL2502	Wall Mount, 25 Degrees, Powder-Coated Grey RAL 7037	309050317
	WL9002	Wall Mount, 90 Degrees, Powder-Coated Grey RAL 7037	309050316
Stanchion	SN2503	Stanchion Mount, 25 Degree, NPT1-1/4, Power-Coated Grey RAL 7037	309050318
	SN2504	Stanchion Mount, 25 Degree, NPT1-1/2, Power-Coated Grey RAL 7037	309050319
	SN9003	Stanchion Mount, 90 Degree, NPT1-1/4, Power-Coated Grey RAL 7037	309050320
	SN9004	Stanchion Mount, 90 Degree, NPT1-1/2, Power-Coated Grey RAL 7037	309050321
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
	CLAMP01	Pipe Clamp Kit for Round Pole 1-7/8 inch OD (48 mm), SUS304	309050047
	CLAMP02	Pipe Clamp Kit for Round Pole 2-3/8 inch OD (60 mm), SUS304	309050046

* Requires A Yoke Mount

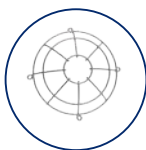
OTHER ACCESSORIES



SFCB02



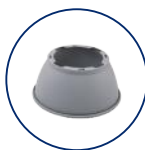
RND-WG



RND-WGG



RND-VISO25



RND-VISO90

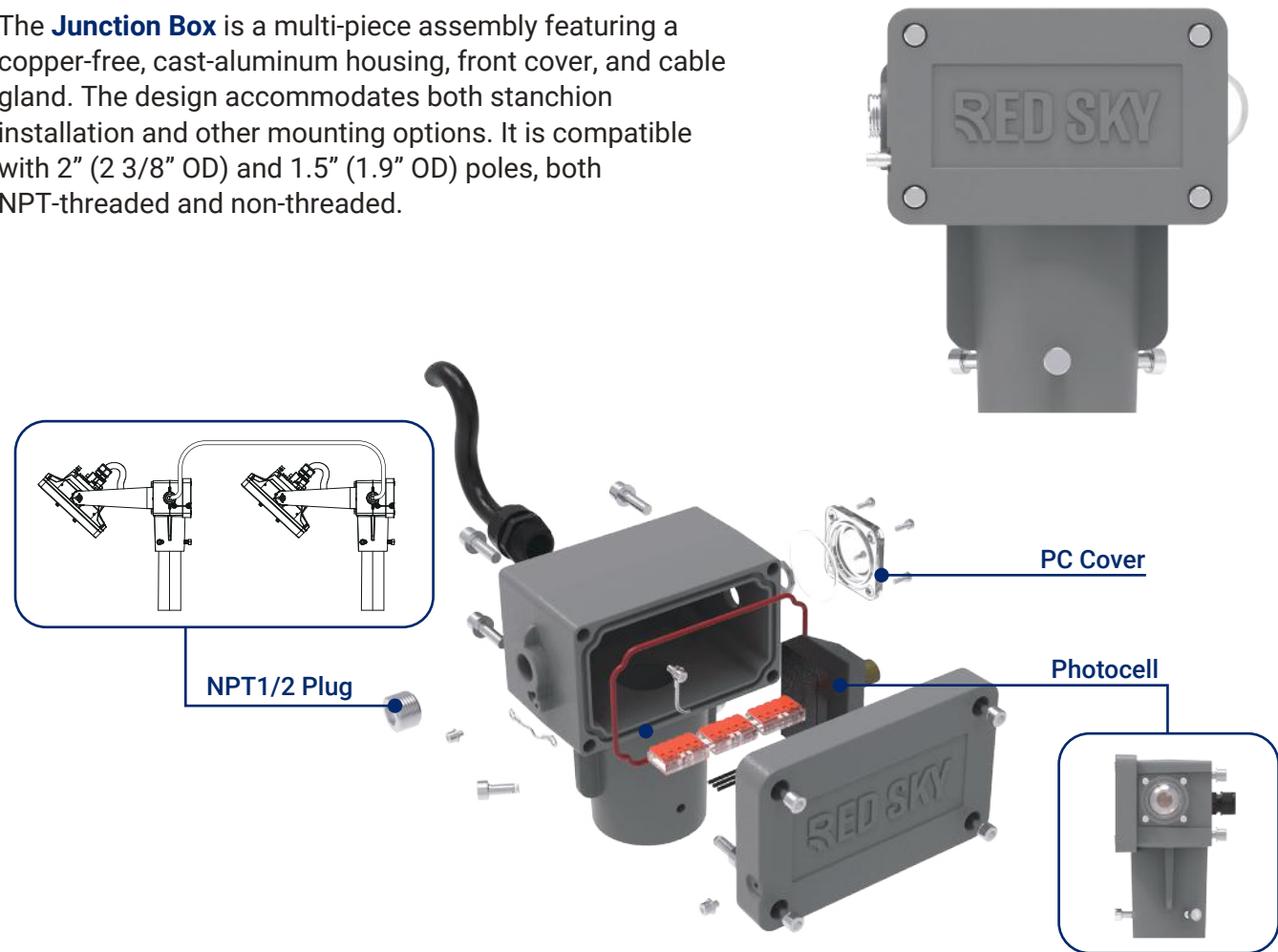


HOOK02

PN	Description	MPN Code
SFCB02	Safety Cable Kit, SUS304	309050058
RND-WG	Wire Guard, SUS304	310010109
RND2-WGG	Wire Guard for Globe Lens, SUS304	309050322
RND-VISO25	Visor, 25 Degrees, Aluminium Alloy, Powder-Coated Grey RAL 7037	101050009
RND-VISO90	Visor, 90 Degrees, Aluminium Alloy, Powder-Coated Grey RAL 7037	101050008
HOOK02	M10 Hook with 3/4 inch NPT Threads, SUS316	309050331
GLCO-03	3 ft Cord (SOOW 14 AWG × 3, 105 degrees Celsius, 600V) with Cable Gland	204020003
GLCO-10	10 ft Cord (SOOW 14 AWG × 3, 105 degrees Celsius, 600V) with Cable Gland	204020004

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

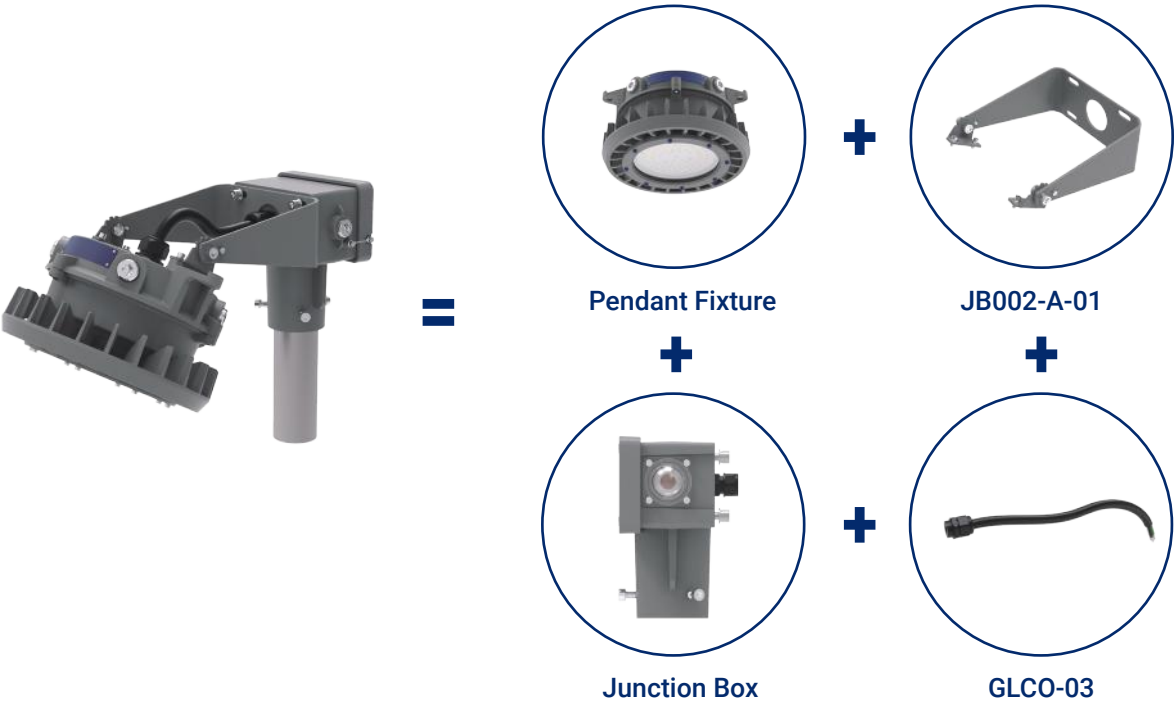
- Weather-resistant finish suitable for wet locations and marine environments
- WAGO 211 lever connectors (5-pole, UL/CSA, 18-12 AWG) for easy, hassle-free wiring
- Wiring access cover with captive screws and a rear hub featuring NPT 1/2" threads for daisy-chain wiring
- Shock and vibration-resistant design

CERTIFICATIONS & RATINGS

UL1598
UL1598A
CSA C22.2 NO. 250.0
UL 1598 Wet Locations
UL 1598A Marine Outside Type (Salt Water)
IP66
IK10
Salt Spray 720 hrs (ISO 9227)

SLIP-FIT JUNCTION BOX

INSTALLATION EXAMPLE



ORDERING INFORMATION

Part Number	Description	MPN Code
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
JB013-A-01	BLK2 Custom Bracket Assembly	309050388
GLCO-03	3 ft Cord (SOOW 14 AWG × 3, 105 degrees Celsius, 600V) with Cable Gland	204020003

REPLACEMENT PARTS (ORDERED SEPARATELY)

Part Number	Description	MPN Code
RND2-35-120-277-Driver	Replacement Driver Kit for RND2-35-120-277 Fixtures	303010028
RND2-45-120-277-Driver	Replacement Driver Kit for RND2-45-120-277 Fixtures	303010029
RND2-55-120-277-Driver	Replacement Driver Kit for RND2-55-120-277 Fixtures	303010030
RND2-65-120-277-Driver	Replacement Driver Kit for RND2-65-120-277 Fixtures	303010031
RND2-40-347-480-Driver	Replacement Driver Kit for RND2-40-347-480V Fixtures	303010032
RND2-60-347-480-Driver	Replacement Driver Kit for RND2-60-347-480V Fixtures	303010033
CG002-A-01	Replacement Clear Glass Lens for RND2, RND X2	303030004
DG002-A-01	Replacement Diffuse Glass Lens for RND2	303030005
DLG002-A-01	Replacement Drop Glass Lens for RND2	303030006

LUMEN TABLE

Part Number	Wattage (W)	CCT	CRI	Beam	Lens	Lumen Output (Lm)	Efficiency (Lm/W)
Voltage 100-277VAC 80 CRI • STANDARD							
RND2-35-120-277-5K-120-HS-CG-GRY-YKE	35	5000K	80	120°	Clear Glass	4,802	145
RND2-35-120-277-5K-120-HS-DG-GRY-YKE	35	5000K	80	120°	Diffuse Glass	4,264	130
RND2-35-120-277-5K-120-HS-DLG-GRY-YKE	35	5000K	80	120°	Drop Lens Glass	4,154	126
RND2-35-120-277-5K-60-HS-CG-GRY-YKE	35	5000K	80	60°	Clear Glass	5,031	152
RND2-45-120-277-5K-120-HS-CG-GRY-YKE	45	5000K	80	120°	Clear Glass	6,156	145
RND2-45-120-277-5K-120-HS-DG-GRY-YKE	45	5000K	80	120°	Diffuse Glass	5,468	129
RND2-45-120-277-5K-120-HS-DLG-GRY-YKE	45	5000K	80	120°	Drop Lens Glass	5,302	125
RND2-45-120-277-5K-60-HS-CG-GRY-YKE	45	5000K	80	60°	Clear Glass	6,404	151
RND2-55-120-277-5K-120-HS-CG-GRY-YKE	55	5000K	80	120°	Clear Glass	7,982	148
RND2-55-120-277-5K-120-HS-DG-GRY-YKE	55	5000K	80	120°	Diffuse Glass	7,075	131
RND2-55-120-277-5K-120-HS-DLG-GRY-YKE	55	5000K	80	120°	Drop Lens Glass	6,830	127
RND2-55-120-277-5K-60-HS-CG-GRY-YKE	55	5000K	80	60°	Clear Glass	8,367	155
RND2-65-120-277-5K-120-HS-CG-GRY-YKE	65	5000K	80	120°	Clear Glass	9,041	146
RND2-65-120-277-5K-120-HS-DG-GRY-YKE	65	5000K	80	120°	Diffuse Glass	8,027	130
RND2-65-120-277-5K-120-HS-DLG-GRY-YKE	65	5000K	80	120°	Drop Lens Glass	7,765	126
RND2-65-120-277-5K-60-HS-CG-GRY-YKE	65	5000K	80	60°	Clear Glass	9,488	154

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

Part Number	Wattage (W)	CCT	CRI	Beam	Lens	Lumen Output (Lm)	Efficiency (Lm/W)
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Voltage 100-277VAC 70 CRI

RND2-35-120-277-5K-120-HS-CG-GRY-YKE CRI70	35	5000K	70	120°	Clear Glass	5,295	160
RND2-35-120-277-5K-120-HS-DG-GRY-YKE CRI70	35	5000K	70	120°	Diffuse Glass	4,755	144
RND2-35-120-277-5K-120-HS-DLG-GRY-YKE CRI70	35	5000K	70	120°	Drop Lens Glass	4,775	144
RND2-35-120-277-5K-60-HS-CG-GRY-YKE CRI70	35	5000K	70	60°	Clear Glass	5,541	167
RND2-45-120-277-5K-120-HS-CG-GRY-YKE CRI70	45	5000K	70	120°	Clear Glass	6,751	159
RND2-45-120-277-5K-120-HS-DG-GRY-YKE CRI70	45	5000K	70	120°	Diffuse Glass	6,070	143
RND2-45-120-277-5K-120-HS-DLG-GRY-YKE CRI70	45	5000K	70	120°	Drop Lens Glass	6,063	142
RND2-45-120-277-5K-60-HS-CG-GRY-YKE CRI70	45	5000K	70	60°	Clear Glass	7,050	166
RND2-55-120-277-5K-120-HS-CG-GRY-YKE CRI70	55	5000K	70	120°	Clear Glass	8,789	162
RND2-55-120-277-5K-120-HS-DG-GRY-YKE CRI70	55	5000K	70	120°	Diffuse Glass	7,907	146
RND2-55-120-277-5K-120-HS-DLG-GRY-YKE CRI70	55	5000K	70	120°	Drop Lens Glass	7,901	146
RND2-55-120-277-5K-60-HS-CG-GRY-YKE CRI70	55	5000K	70	60°	Clear Glass	9,268	171
RND2-65-120-277-5K-120-HS-CG-GRY-YKE CRI70	65	5000K	70	120°	Clear Glass	10,758	159
RND2-65-120-277-5K-120-HS-DG-GRY-YKE CRI70	65	5000K	70	120°	Diffuse Glass	9,635	143
RND2-65-120-277-5K-120-HS-DLG-GRY-YKE CRI70	65	5000K	70	120°	Drop Lens Glass	9,632	143
RND2-65-120-277-5K-60-HS-CG-GRY-YKE CRI70	65	5000K	70	60°	Clear Glass	11,315	167

Voltage 100-277VAC 90 CRI

RND2-35-120-277-5K-120-HS-CG-GRY-YKE CRI90	35	5000K	90	120°	Clear Glass	4,643	140
RND2-35-120-277-5K-120-HS-DG-GRY-YKE CRI90	35	5000K	90	120°	Diffuse Glass	4,170	126
RND2-35-120-277-5K-120-HS-DLG-GRY-YKE CRI90	35	5000K	90	120°	Drop Lens Glass	4,187	127
RND2-35-120-277-5K-60-HS-CG-GRY-YKE CRI90	35	5000K	90	60°	Clear Glass	4,860	147
RND2-45-120-277-5K-120-HS-CG-GRY-YKE CRI90	45	5000K	90	120°	Clear Glass	5,921	139
RND2-45-120-277-5K-120-HS-DG-GRY-YKE CRI90	45	5000K	90	120°	Diffuse Glass	5,323	125
RND2-45-120-277-5K-120-HS-DLG-GRY-YKE CRI90	45	5000K	90	120°	Drop Lens Glass	5,317	125
RND2-45-120-277-5K-60-HS-CG-GRY-YKE CRI90	45	5000K	90	60°	Clear Glass	6,182	145
RND2-55-120-277-5K-120-HS-CG-GRY-YKE CRI90	55	5000K	90	120°	Clear Glass	7,708	142
RND2-55-120-277-5K-120-HS-DG-GRY-YKE CRI90	55	5000K	90	120°	Diffuse Glass	6,934	128
RND2-55-120-277-5K-120-HS-DLG-GRY-YKE CRI90	55	5000K	90	120°	Drop Lens Glass	6,929	128
RND2-55-120-277-5K-60-HS-CG-GRY-YKE CRI90	55	5000K	90	60°	Clear Glass	8,128	150
RND2-65-120-277-5K-120-HS-CG-GRY-YKE CRI90	65	5000K	90	120°	Clear Glass	9,435	139
RND2-65-120-277-5K-120-HS-DG-GRY-YKE CRI90	65	5000K	90	120°	Diffuse Glass	8,450	125
RND2-65-120-277-5K-120-HS-DLG-GRY-YKE CRI90	65	5000K	90	120°	Drop Lens Glass	8,447	125
RND2-65-120-277-5K-60-HS-CG-GRY-YKE CRI90	65	5000K	90	60°	Clear Glass	9,923	147

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

This table only lists part of the model lumen parameters, if you need other model parameters, please contact our sales.

A DIRECT RETROFIT FROM HID TO LED

The RND series LED is easy to retrofit in the same configuration as your existing HID luminaires. For example, a 65-watt Round (RND2-65) delivers virtually the same illumination as its equivalent 200 watt Metal Halide luminaire while providing 80% reduction in energy costs and up to 148,000 hours of continuous operation.

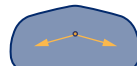
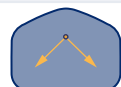
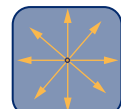
MODELS	Lumen Output (Lm)	MH Equivalent (W)	HPS Equivalent (W)
RND2-35	4,802	150	150
RND2-45	6,156	175	225
RND2-55	7,982	200	225
RND2-65	9,041	200	250

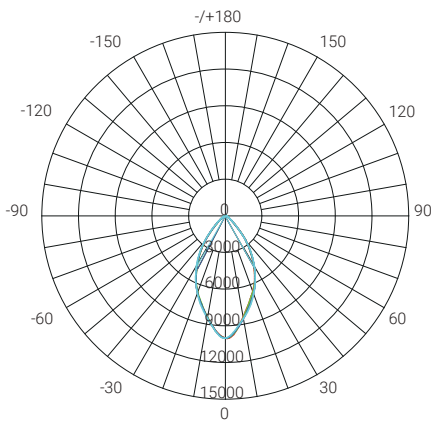
THE RIGHT BEAM PATTERN FOR YOUR APPLICATION

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

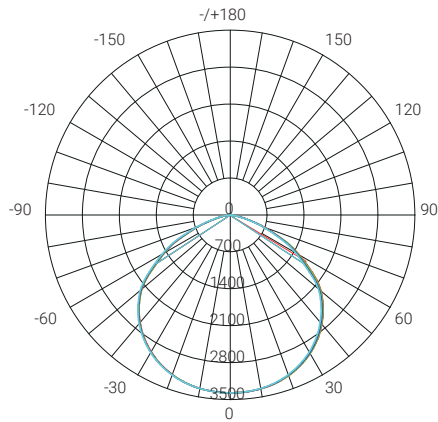
RSL offers complimentary lighting design services for our products using industry-leading AGI32 software, tailored for projects of all sizes in harsh and hazardous locations. We assist you in determining the number of fixtures needed, the types of lights to use, their optimal placement, and how to maximize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



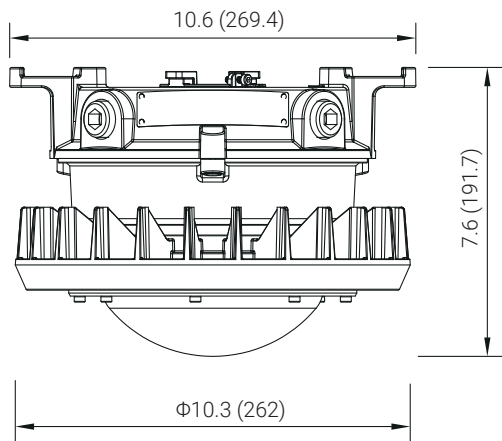
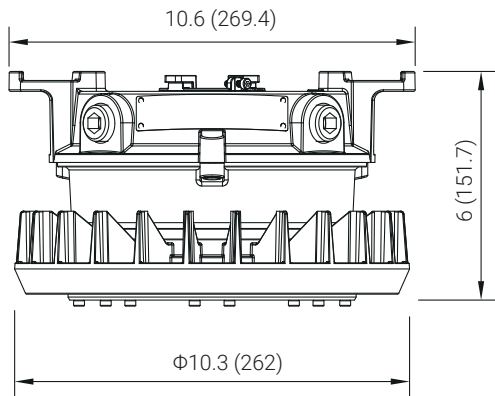
**60°
NEMA 4 - Medium**



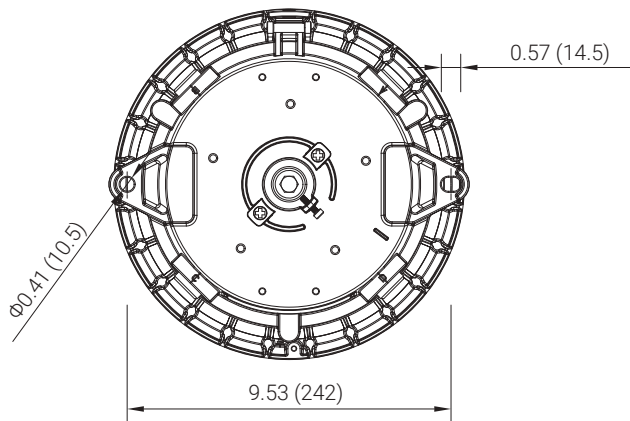
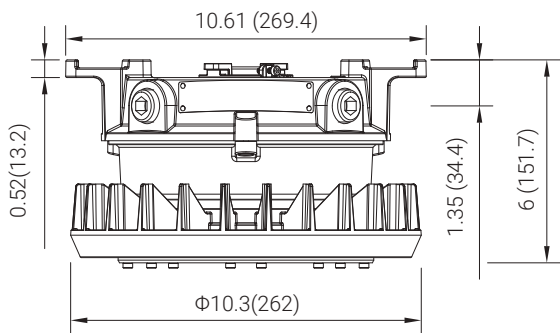
**120°
NEMA 6 - Wide**

DIMENSIONS

unit: in (mm)

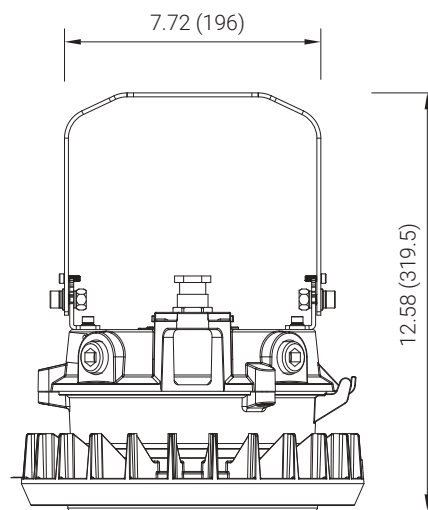
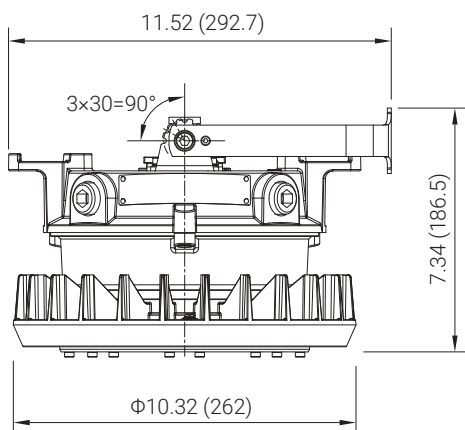
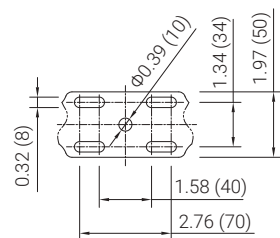


Pendant

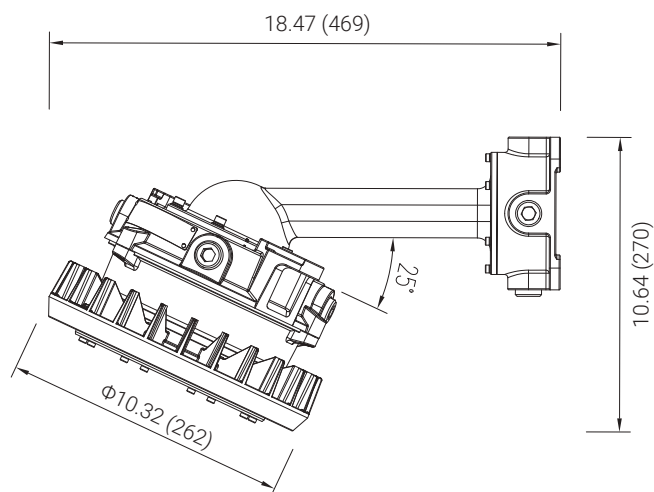
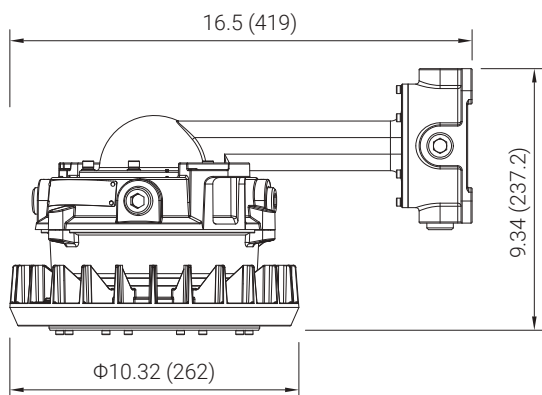
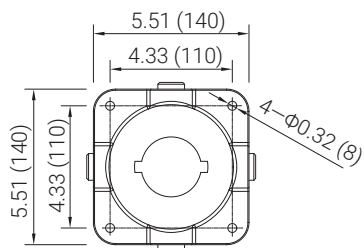


Ceiling

unit: in (mm)

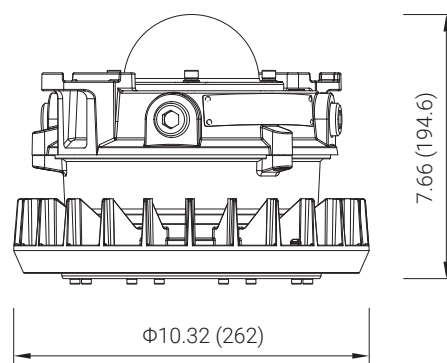
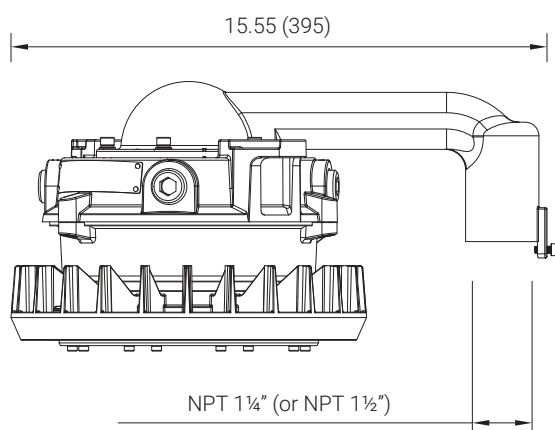
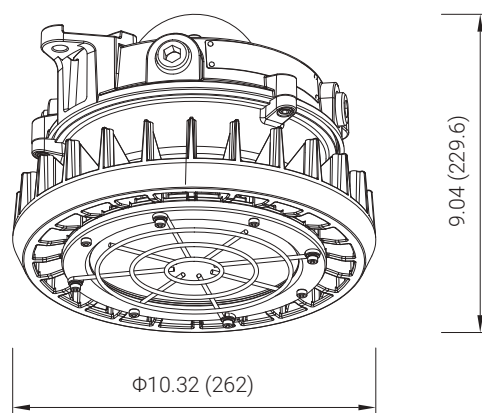
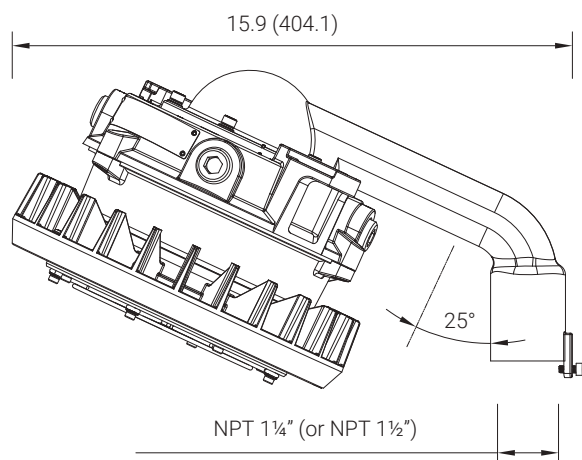


Yoke



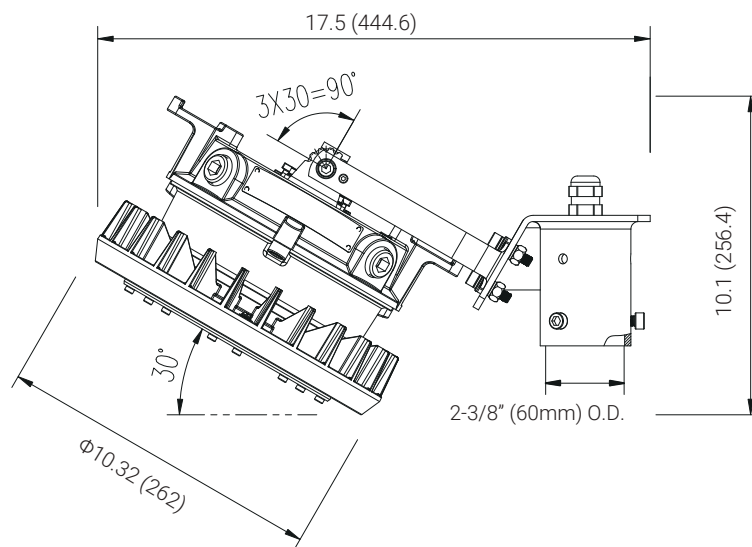
Wall

unit: in (mm)

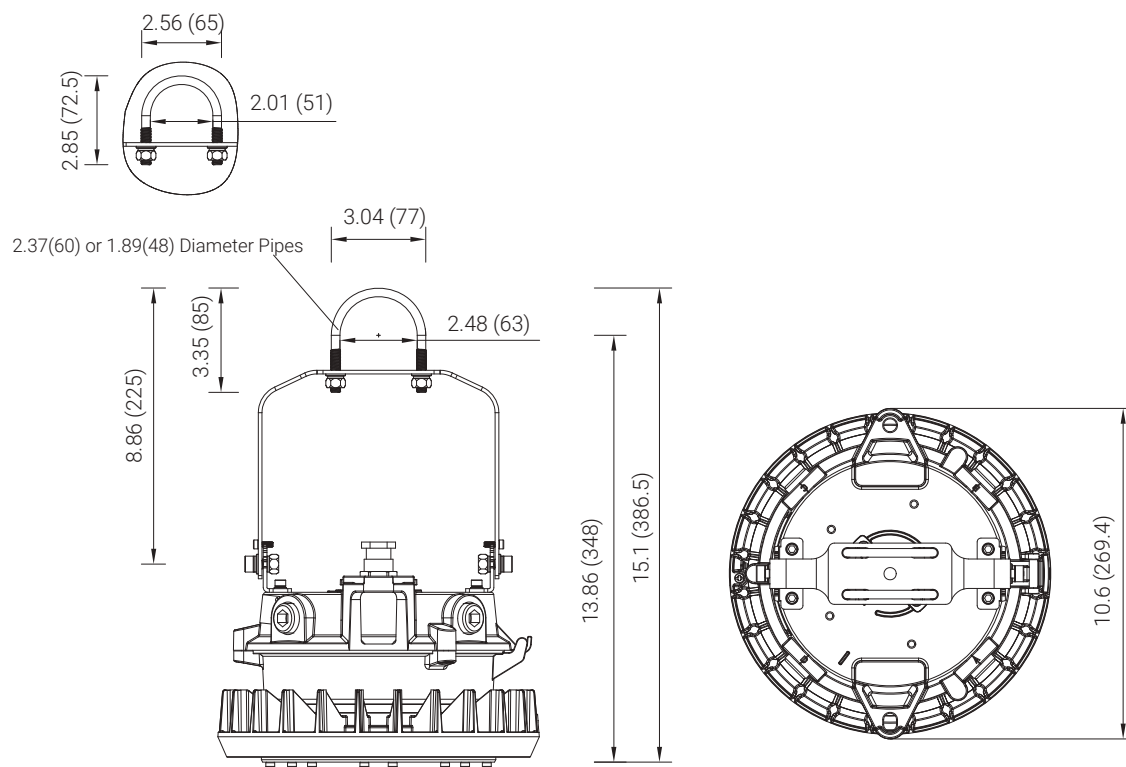


Stanchion

unit: in (mm)

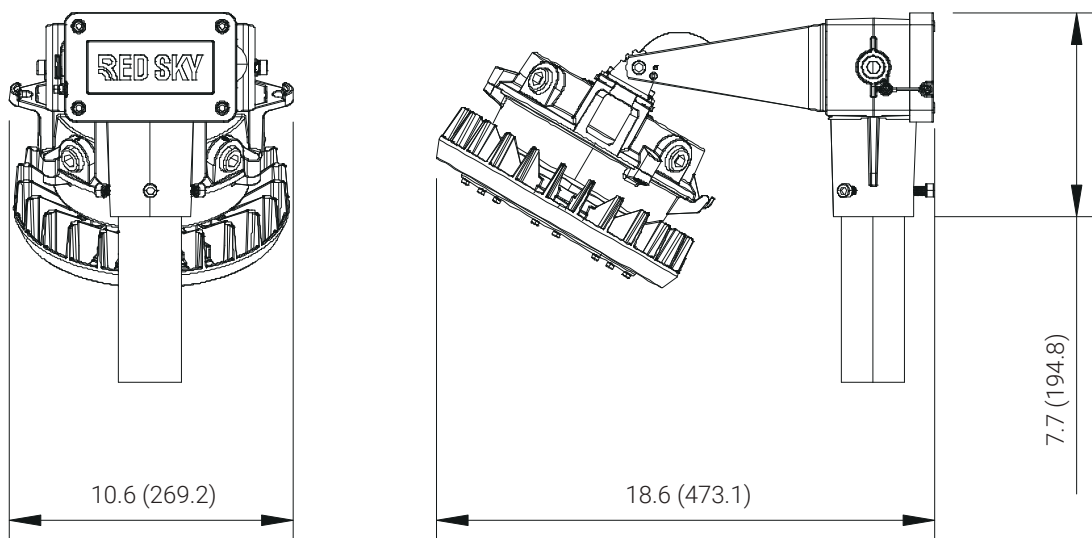
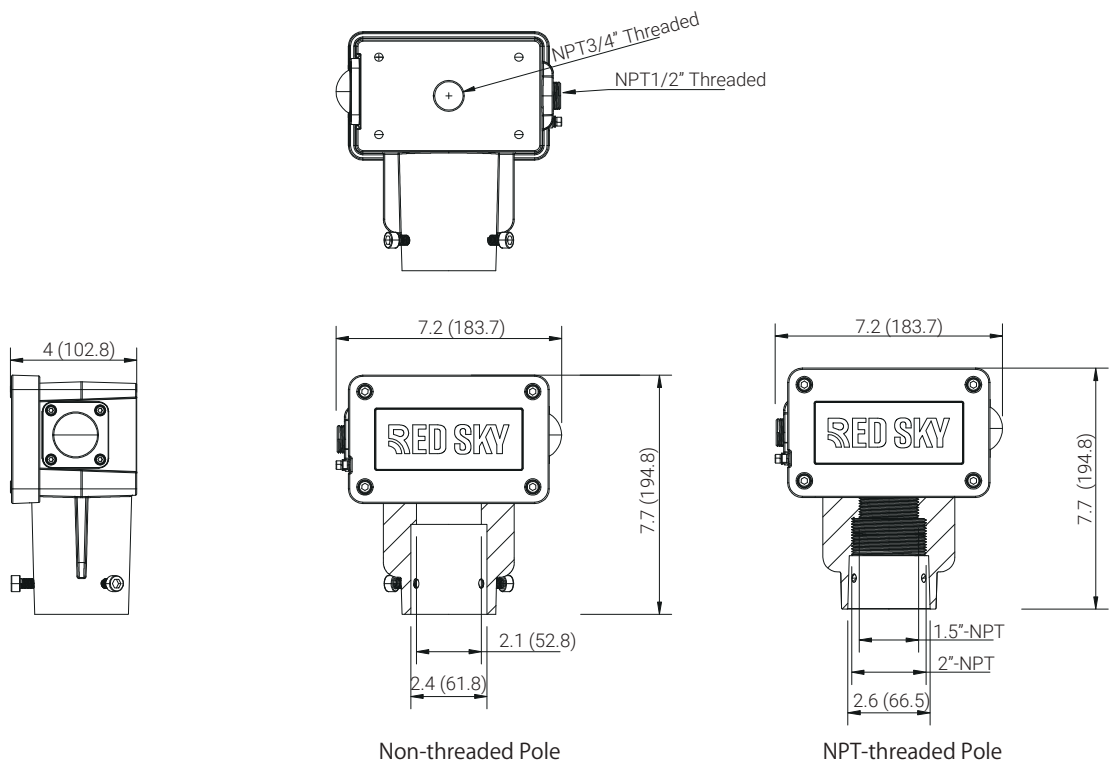


Pole
STAN01



Pole
CLAMP01/02

unit: in (mm)



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