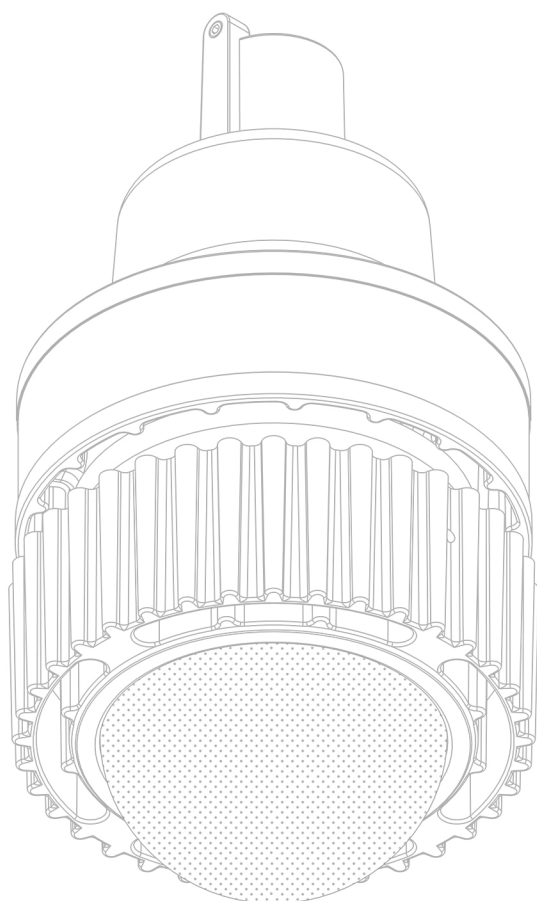
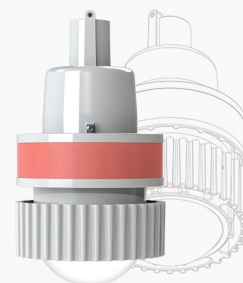


A R C U S

ROB-IL LED LUMINARIES



ROBUS™ FOR EX



EXPLOSION PROOF



ROBUS™ FOR HL



HAZARDOUS LOCATION



ROBUS™ FOR IL



INDUSTRIAL LOCATION



SPECIFICATION

MODEL WATTAGE	20 W	40 W	55 W	70 W
LUMEN OUTPUT	2700 lm (GBM, RV) / 3500 lm (GBM, HV)* 2500 lm (CPC, RV) / 3300 lm (CPC, HV)*	5600 lm (GBM, RV / HV)* 5300 lm (CPC, RV / HV)*	7200 lm (GBM, RV / HV)* 6900 lm (CPC, RV) / 6800 lm (CPC, HV)*	8400 lm (GBM, RV / HV)* 7900 lm (CPC, RV / HV)*
DIMENSIONS	Various (see drawings)			
NET FIXTURE WEIGHT (with PM mount)	10.47 lb / 4.75 kg (GBM) 9.55 lb / 4.33 kg (CPC)	10.47 lb / 4.75 kg (GBM) 9.55 lb / 4.33 kg (CPC)	12.35 lb / 5.6 kg (GBM) 11.42 lb / 5.18 kg (CPC)	12.35 lb / 5.6 kg (GBM) 11.42 lb / 5.18 kg (CPC)
ENCLOSURE MATERIAL	Copper free aluminum alloy			
FINISH	Polyester powder coat finish			
HARDWARE AND MOUNTING	Marine grade stainless steel parts and screws			
CABLE GLANDS AND CONNECTORS	Not included			
LENS	Military Grade UL94 V-0 rated Lexan/Borosilicate clear glass and mesh (optional)			
LIGHT SOURCE	OSRAM LEDs			
COLOR RENDITION INDEX (CRI)	> 70			
INPUT POWER (+25°C)	20 W (RV)* 23 W (HV)*	39 W (RV, HV)*	52 W (RV)* 53 W (HV)*	60 W (RV)* 62 W (HV)*
FIXTURE EFFICIENCY	135 LPW (GBM, RV)* 152 LPW (GBM, HV)* 125 LPW (CPC, RV)* 143 LPW (CPC, HV)*	143 LPW (GBM, RV / HV)* 135 LPW (CPC, RV / HV)*	138 LPW (GBM, RV)* 135 LPW (GBM, HV)* 132 LPW (CPC, RV)* 128 LPW (CPC, HV)*	140 LPW (GBM, RV)* 135 LPW (GBM, HV)* 131 LPW (CPC, RV)* 127 LPW (CPC, HV)*
LED DRIVER	INVENTRONICS 90-305 VAC ** INVENTRONICS 312-528 VAC **	INVENTRONICS 90-305 VAC ** INVENTRONICS 312-528 VAC **	INVENTRONICS 90-305 VAC ** INVENTRONICS 312-528 VAC **	INVENTRONICS 90-305 VAC ** INVENTRONICS 312-528 VAC **
LED DRIVER PROTECTION	Over Voltage, Short Circuit, Over Temperature, Overload			
SURGE PROTECTION	4 kV LINE-LINE (RV), 6 kV LINE-EARTH (RV)	2 kV LINE-LINE (RV), 4 kV LINE-EARTH (RV)	4 kV LINE-LINE (RV), 6 kV LINE-EARTH (RV)	4 kV LINE-LINE (RV), 6 kV LINE-EARTH (RV)
POWER FACTOR	> 0.9	> 0.95	> 0.9	> 0.9
THD (total harmonic distortion)	< 15% (RV) < 20% (HV)	< 20%	< 15% (RV) < 20% (HV)	< 15% (RV) < 20% (HV)
INRUSH CURRENT	11 A (RV) 52,2 A (HV)	29,9 A (RV) 52,2 A (HV)	33,2 A (RV) 52,2 A (HV)	32,2 A (RV) 104,4 A (HV)
AMBIENT OPERATING TEMPERATURE	-40 °C to +65 °C	-40 °C to +65 °C	-40 °C to +65 °C	-40 °C to +65 °C
FIXTURE LIFE (+25°C)	120 000 HOURS	120 000 HOURS	120 000 HOURS	120 000 HOURS
FIXTURE LIFE (+45°C)	120 000 HOURS	95 000 HOURS (RV) 75 000 HOURS (HV)	120 000 HOURS (RV) 60 000 HOURS (HV)	70 000 HOURS (RV) 50 000 HOURS (HV)
FIXTURE LIFE (+55°C)	120 000 HOURS (RV) 60 000 HOURS (HV)	55 000 HOURS (RV) 45 000 HOURS (HV)	70 000 HOURS (RV) 38 000 HOURS (HV)	45 000 HOURS (RV) 30 000 HOURS (HV)
FIXTURE LIFE (+65°C)	80 000 HOURS (RV) 30 000 HOURS (HV)	20 000 HOURS (RV) 10 000 HOURS (HV)	30 000 HOURS (RV) N/A (HV)	N/A
WARRANTY	5 YEAR			

* - Measurement tolerance +/- 10%

** - with 0-10 VDC dimming

ETL/cETL CERTIFIED TO:

UL 844 for Use in Hazardous
(Classified) Locations
UL 1598 Suitable for Wet Locations
UL 1598A Marine Outside Type
(Saltwater)
CSA C22.2 No. 250.0
CSA C22.2 No. 137
IP67 rated per IEC 60598-1 |
-40°C to +65°C

APPROVED FOR:

IP66
Dust proof, water resistant, high
temperature and sub zero applications
Corrosive atmospheres, marine rated,
extreme wet applications

ARCUS ROB-IL LED BENEFITS:

- Instant on/no warm up
- Extreme compact size and weight
- Energy-efficient/up to 65% savings when compared to traditional HID lighting
- Up to 23 years (at 12hrs a day) of light, eliminating bulb and ballast replacement maintenance
- Operating ambient -40°C to +65°C
- 5 year warranty
- High CRI for improved visibility and clarity

APPLICATION

- Low-Bay Lighting
- Explosion Proof
- Locations requiring continuous and consistent light levels in extreme heat or cold.
- Hazardous Storage
- Marine, Engine rooms
- Energy, Gas & Oil
- Manufacturing
- Wastewater



ORDERING INFORMATION:

PART NUMBER EXAMPLE ROB-IL-PM-CPC-RV-T5-3K-20W-S

1 ROB 2 IL 3 PM 4 CPC 5 RV 6 T5 7 3K 8 20W 9 S

DETAILED INFORMATION**2 FAMILY NAME
ENCLOSURE TYPE**

IL Regular Body

3 MOUNTING SOLUTIONS

PM Pendant Mount
SA Stanchion Mount 25°
SS Stanchion Mount 90°
WA Wall Mount 25°
WM Wall Mount 90°
CM Ceiling Mount
SB Swivel Bracket
EM Eye-Bolt Mount

4 REFLECTOR (LENS)

CPC Clear protective polycarbonate.
GB Borosilicate clear glass.
GBM Borosilicate clear glass and mesh

5 VOLTAGE

RV 120-277 VAC, 50/60 Hz
HV 347-480 VAC, 50/60 Hz

6 SECONDARY OPTICS

T5 Full Flood (No Optics - Standard)

7 COLOR TEMPERATURE

3K 3000 K
4K 4000 K
5K 5000 K

8 WATTAGE

20 W
40 W
55 W
70 W

9 BODY COLOR

S Silver (Standard)

PROJECT INFORMATION

PROJECT NAME:

LOCATION:

DESCRIPTION:

CONTACT INFORMATION:

NAME:

E-MAIL:

PHONE:

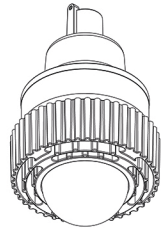
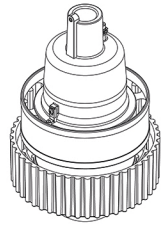
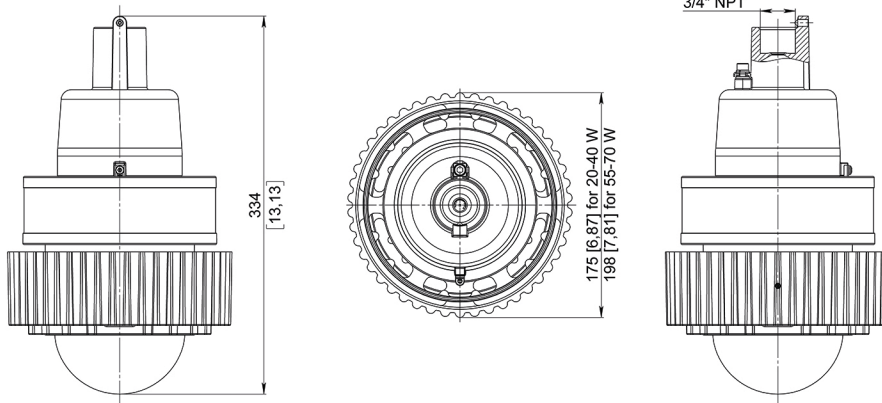
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ROB-IL-PM-20-40W/55-70W

PENDANT MOUNT

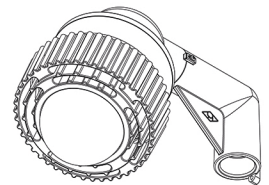
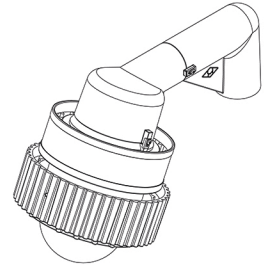
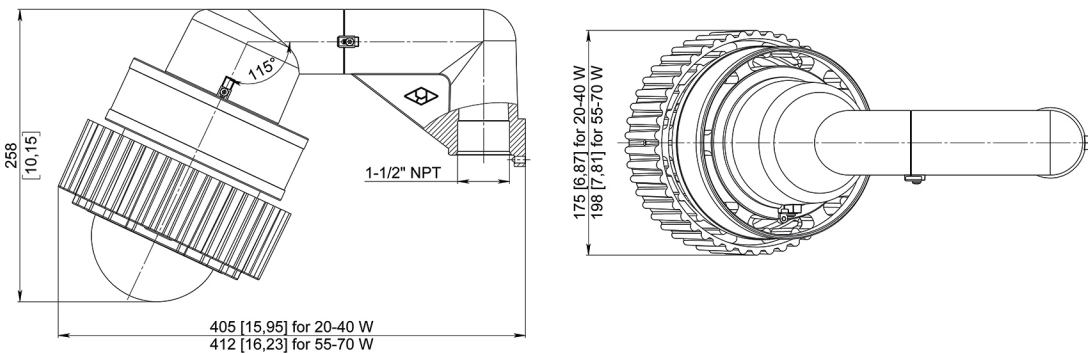
FIXTURE WEIGHT:
9,54 lb (4,33 kg) / 11,42 lb (5,18 kg)



ROB-IL-SA-20-40W/55-70W

STANCHION MOUNT 25°

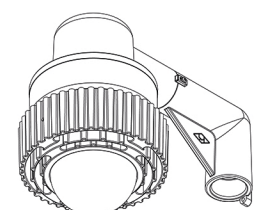
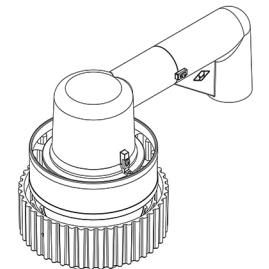
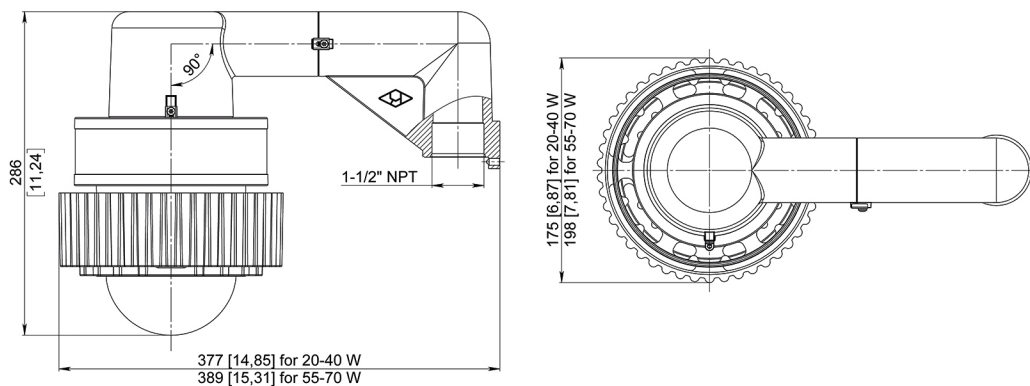
FIXTURE WEIGHT:
11,11 lb (5,04 kg) / 12,99 lb (5,89 kg)



ROB-IL-SS-20-40W/55-70W

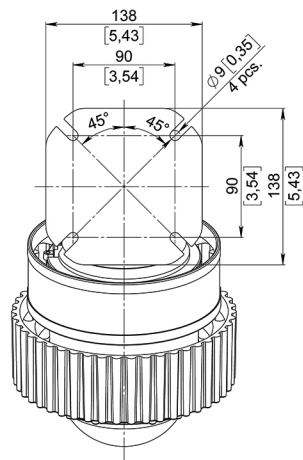
STANCHION MOUNT 90°

FIXTURE WEIGHT:
11,62 lb (5,27 kg) / 13,49 lb (6,12 kg)

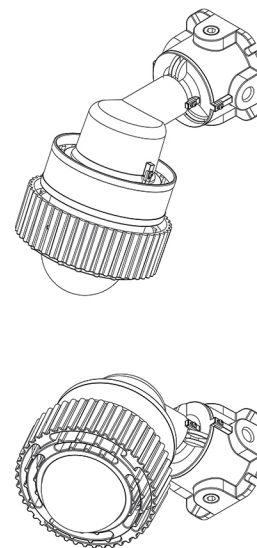
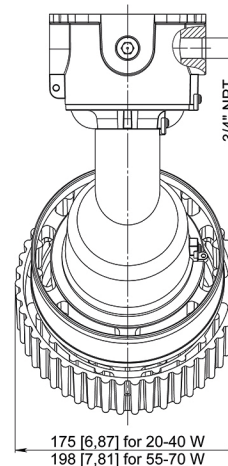
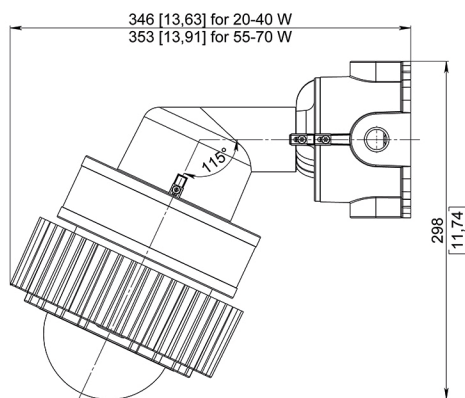


ROB-IL-WA-20-40W/55-70W

WALL MOUNT 25°

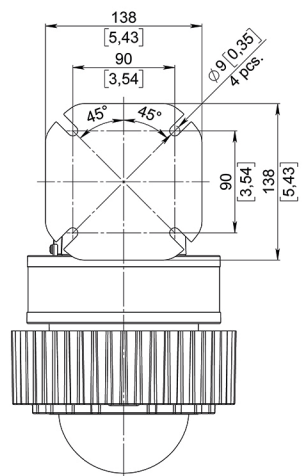


FIXTURE WEIGHT:
12,57 lb (5,7 kg) / 14,44 lb (6,55 kg)

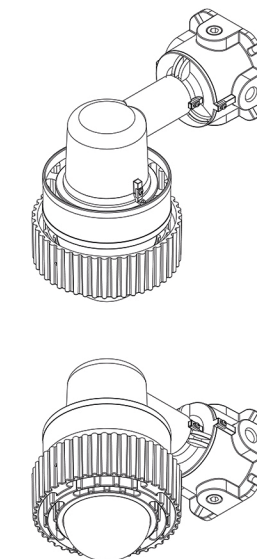
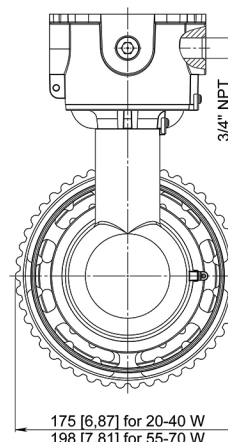
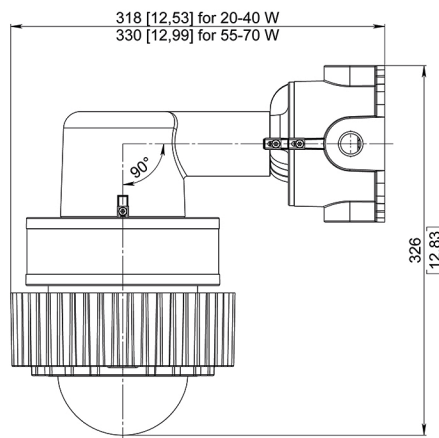


ROB-IL-WM-20-40W/55-70W

WALL MOUNT 90°

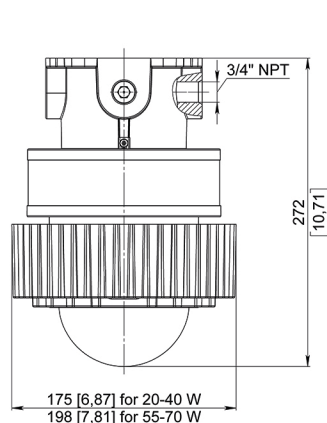


FIXTURE WEIGHT:
13,07 lb (5,93 kg) / 14,95 lb (6,78 kg)

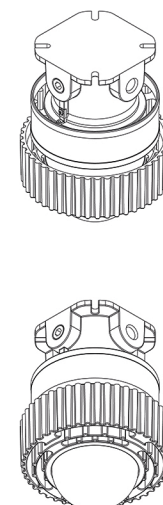
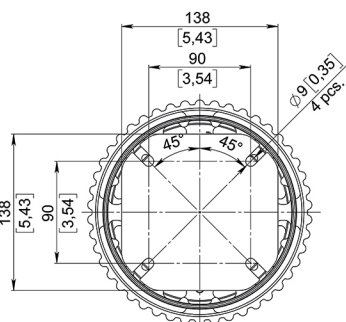


ROB-IL-CM-20-40W/55-70W

CEILING MOUNT



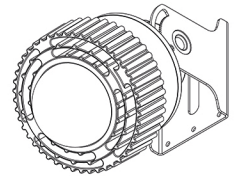
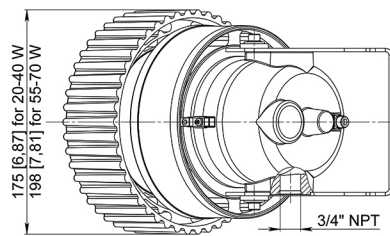
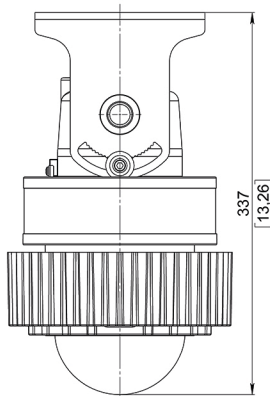
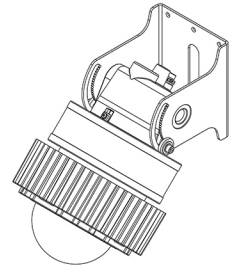
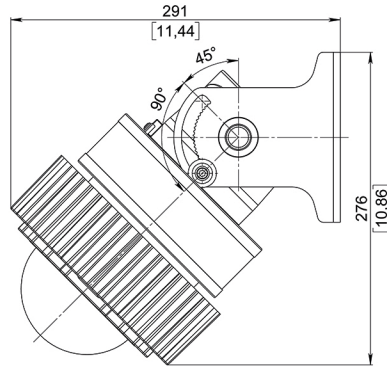
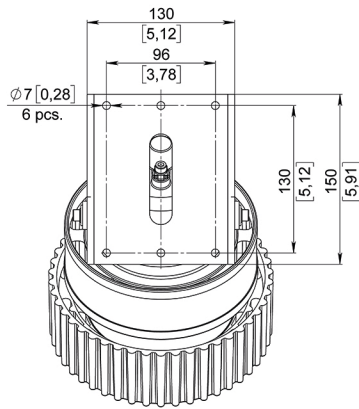
FIXTURE WEIGHT:
10,58 lb (4,8 kg) / 12,46 lb (5,65 kg)



ROB-IL-SB-20-40W/55-70W

FIXTURE WEIGHT:
11,68 lb (5,3 kg) / 13,56 lb (6,15 kg)

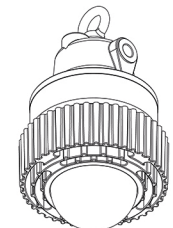
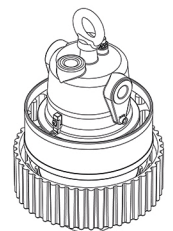
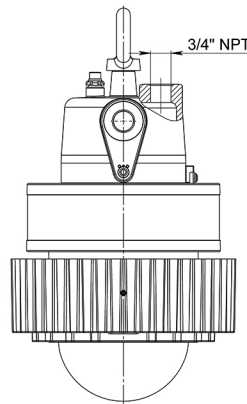
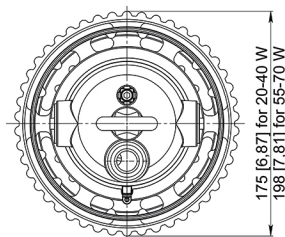
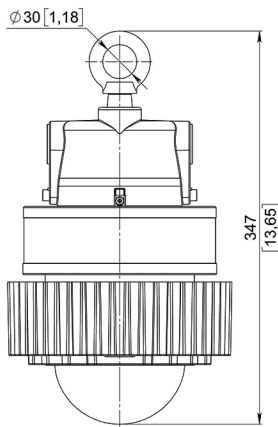
SWIVEL BRACKET



ROB-IL-EM-20-40W/55-70W

FIXTURE WEIGHT:
9,59 lb (4,35 kg) / 11,46 lb (5,2 kg)

EYE-BOLT MOUNT





(858) 353-1073

SALES@ARCUSLIGHT.COM

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