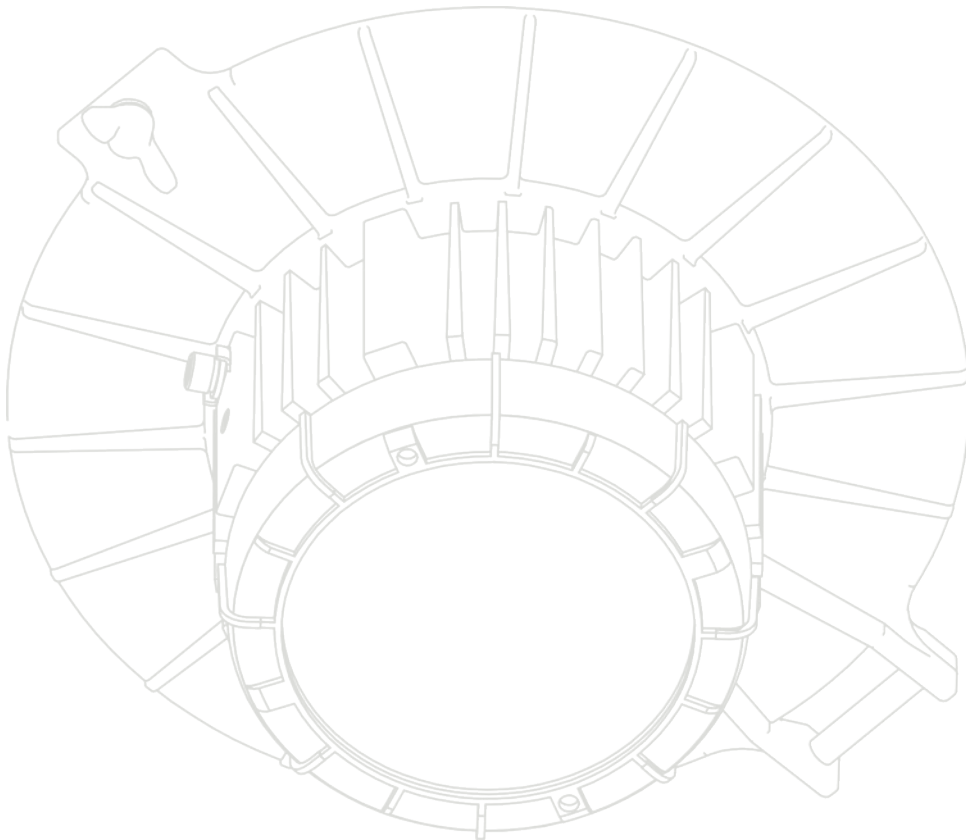


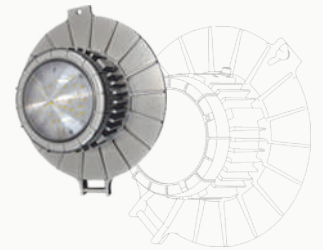


A R C U S

RET-HL LED LUMINARIES

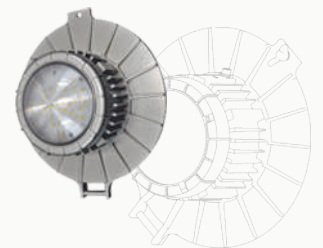


RETRUS™ FOR HL



HAZARDOUS LOCATION 

RETRUS™ FOR IL



INDUSTRIAL LOCATION 

SPECIFICATION

MODEL WATTAGE	20W	36W	60W
LUMEN OUTPUT	2600 LM (GM)* 2300 LM (XPC)*	5200 LM (GM)* 4900 LM (XPC)*	8700 LM (GM)* 8100 LM (XPC)*
DIMENSIONS	Various (find out our drawings)		
NET FIXTURE WEIGHT	Various (find out our drawings)		
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	Classified for CID2 nickel plated brass cable gland		
LENS	Military Grade UL94 V-0 rated Lexan/Tempered clear borosilicate glass		
LIGHT SOURCE	Samsung LEDs R1		
COLOR RENDITION INDEX (CRI)	> 70		
INPUT POWER (+25°C)	20W	36W	60W
FIXTURE EFFICIENCY	130 LPW (GM) 115 LPW (XPC)	140 LPW (GM) 135 LPW (XPC)	135 LPW (GM) 130 LPW (XPC)
LED DRIVER	INVENTRONICS 90-305VAC	CUSTOM MADE 120-277 VAC/230-370VDC	MEANWELL 90-295 VAC/ 127-417VDC
LED DRIVER PROTECTION	SHORT CIRCUIT, OVER LOAD PROTECTION, OVER VOLTAGE	SHORT CIRCUIT, OVER TEMPERATURE, OVER VOLTAGE	SHORT CIRCUIT, OVER TEMPERATURE
SURGE PROTECTION	2 KV	1 KV	2 KV
POWER FACTOR	> 0.95 (120, 220VAC) / > 0.9 (277VAC)	> 0.95	> 0.95 at 115V
THD (total harmonic distortion)	<20%	<30%	<20%
INRUSH CURRENT	40A	27A	45A
AMBIENT OPERATING TEMPERATURE	-40°C TO +55°C	-40°C TO +55°C	-40°C TO +45°C
T-RATING FOR (+55°C)	T6	T5, T6 (+50°C)	T6
FIXTURE LIFE (+25°C)	120 000 HOURS	70 000 HOURS	100 000 HOURS
FIXTURE LIFE (+55°C)	25 000 HOURS	40 000 HOURS	50 000 HOURS (+45°C)
FIXTURE LIFE (+65°C)	N/A	N/A	N/A
WARRANTY	5 YEAR	5YEAR	5 YEAR

* - Measurement tolerance +/- 10%

ETL/cETL CERTIFIED TO:

UL 844 Suitable for Hazardous Locations
UL 1598 Suitable for Wet Locations
UL 1598A Marine Outside Type (Saltwater)
CSA C22.2 No. 250.0
CSA C22.2 No. 137
IP66 rated per IEC 60598-1 |
-40°C to +55°C

APPROVED FOR:

Class I Division 2 Groups A, B, C, D
Class I Zone 2 Group IIC
Class II Division 1 and 2 Groups E, F
Class II Zone 20, 21, or 22 Group IIB
Class III
1Ex d IIC T5 | -40°C to +55°C

ARCUS RET-HL 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 +55°C*
- 5 year warranty
- High CRI for improved visibility and clarity
- Damn near bullet proof

APPLICATION

Upgrade Existing Tophat Fixtures to LED
CID2 Hazardous Locations
Locations requiring continuous and consistent light levels in extreme heat or cold.
Hazardous Storage
Marine, Engine and Battery Rooms
Energy, Gas & Oil
Manufacturing
Wastewater

ORDERING INFORMATION: PART NUMBER EXAMPLE RET-HL-RFC-XPC-RV-120-5K-20W-S

1	RET	2	HL	3	RFC	4	XPC	5	RV	6	120	7	5K	8	20W	9	S
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DETAILED INFORMATION

**2 FAMILY NAME
ENCLOSURE TYPE**

HL Hazardous Locations rated body

6 SECONDARY OPTICS

120° Full Flood (No Optics - Standard)

3 MOUNTING

RFC Crouse-Hinds Champ® adapter plate

RFK Killark Certilite V® adapter plate

RFH Holophane Petrolux®II adapter plate

RFA2 MercMaster®II adapter plate

RFA3 MercMaster®III adapter plate

RFGE GE Filtr-guard® H2

RFTB Hazlux by Thomas & Betts

4 REFLECTOR (LENS)

GM Borosilicate glass and mesh guard

XPC Extreme polycarbonate lens

7 COLOR TEMPERATURE

3K 3000K

4K 4000K

5K 5000K

5 VOLTAGE

RV 120-277 VAC, 50/60 Hz

HV** 347-480 VAC, 50/60 Hz (only for 36W)

8 WATTAGE

20W

36W

60W

9 BODY COLOR

S Silver (Standard)

*** - secondary optics comes only with glass reflector (lens)

** - available on 36W Models

PROJECT INFORMATION

PROJECT NAME:

LOCATION:

DESCRIPTION:

CONTACT INFORMATION:

NAME:

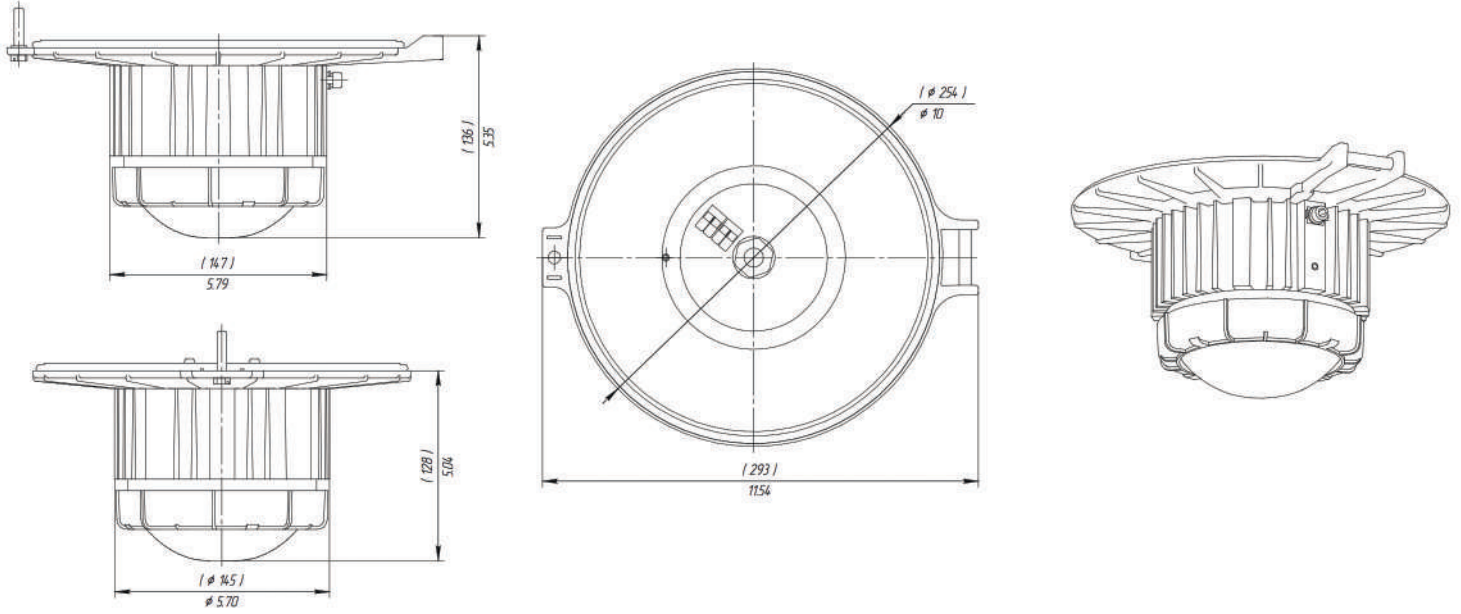
E-MAIL:

PHONE:

DATE:

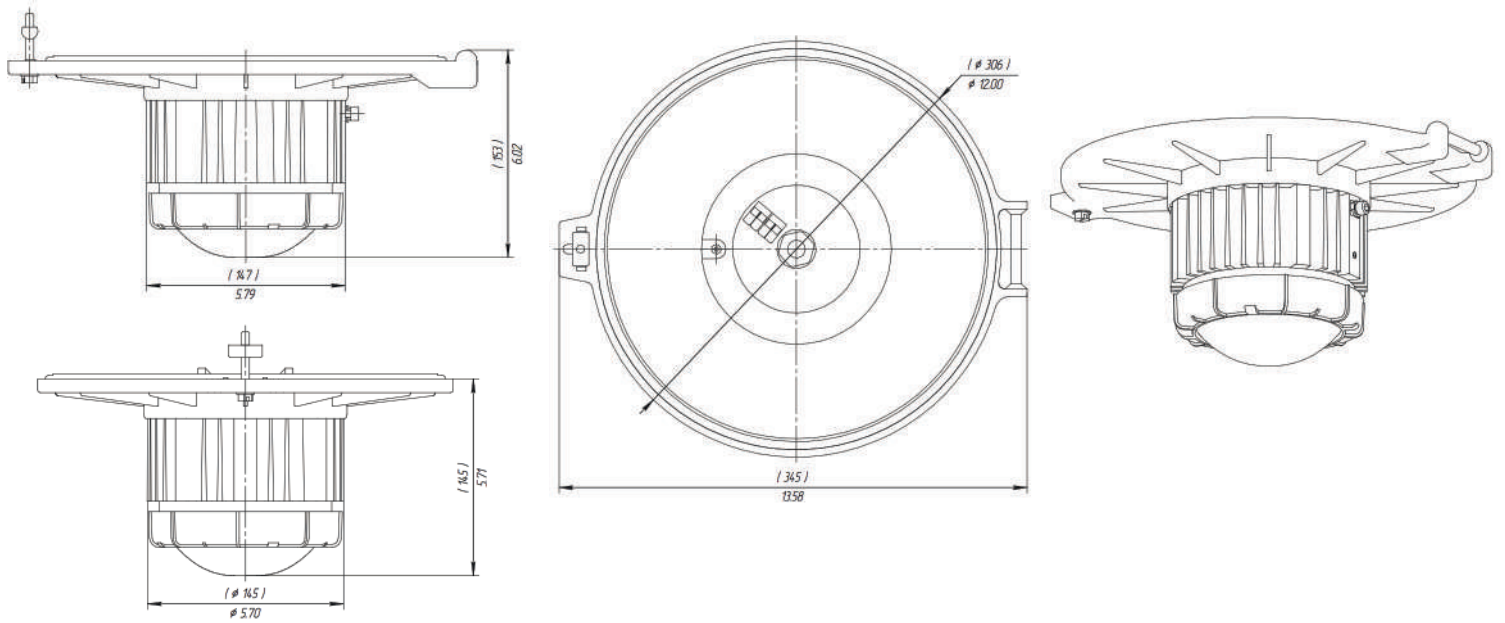
RET-HL-RFC (20-60W)

FIXTURE WEIGHT:
9,9 lb (4,5 kg)



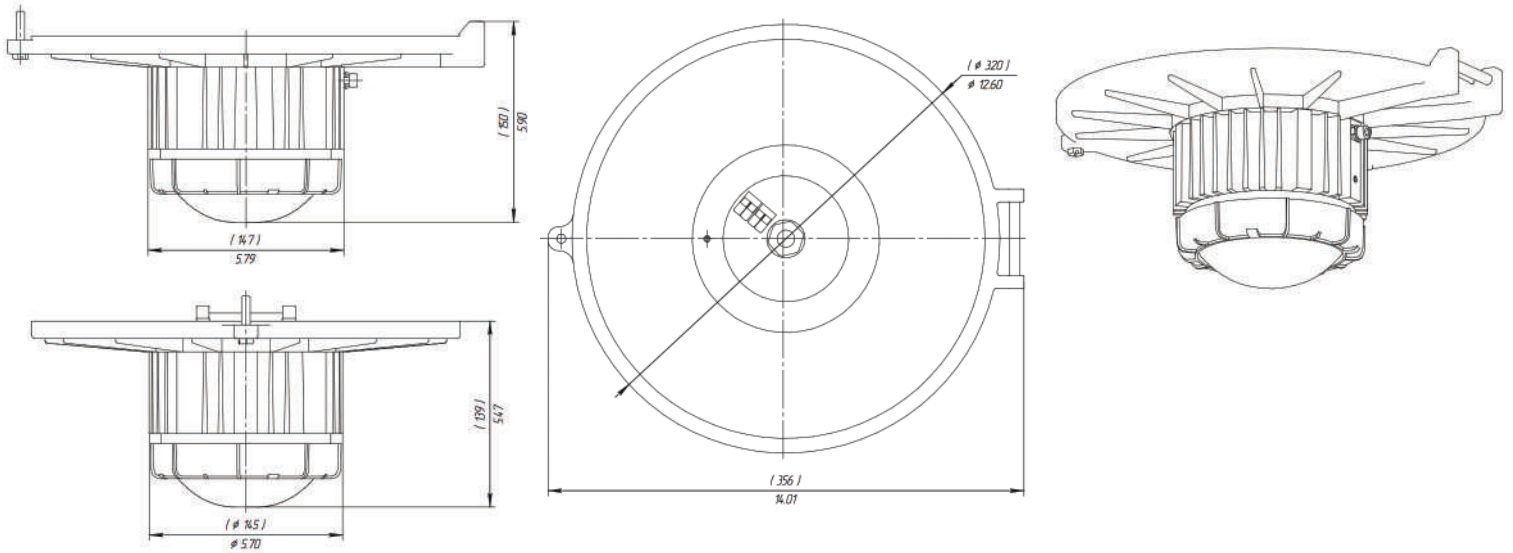
RET-HL-RFK (20-60W)

FIXTURE WEIGHT:
11 lb (5 kg)



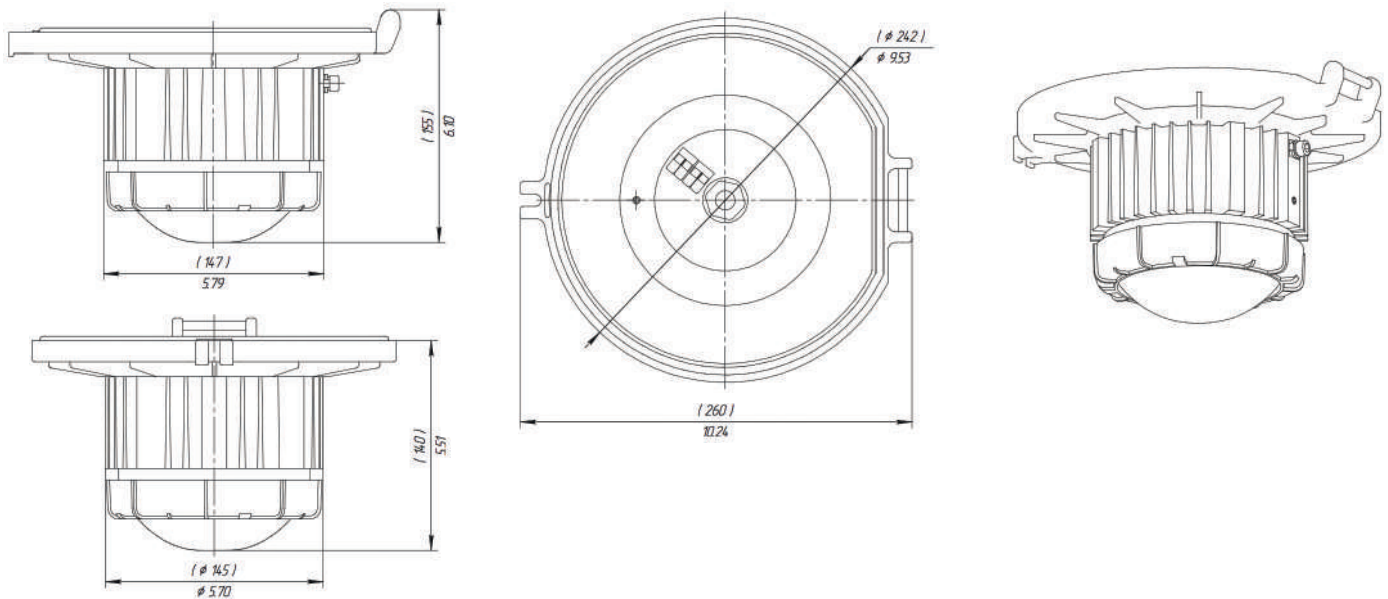
RET-HL-RFH (20-60W)

FIXTURE WEIGHT:
11,2 lb (5,1 kg)



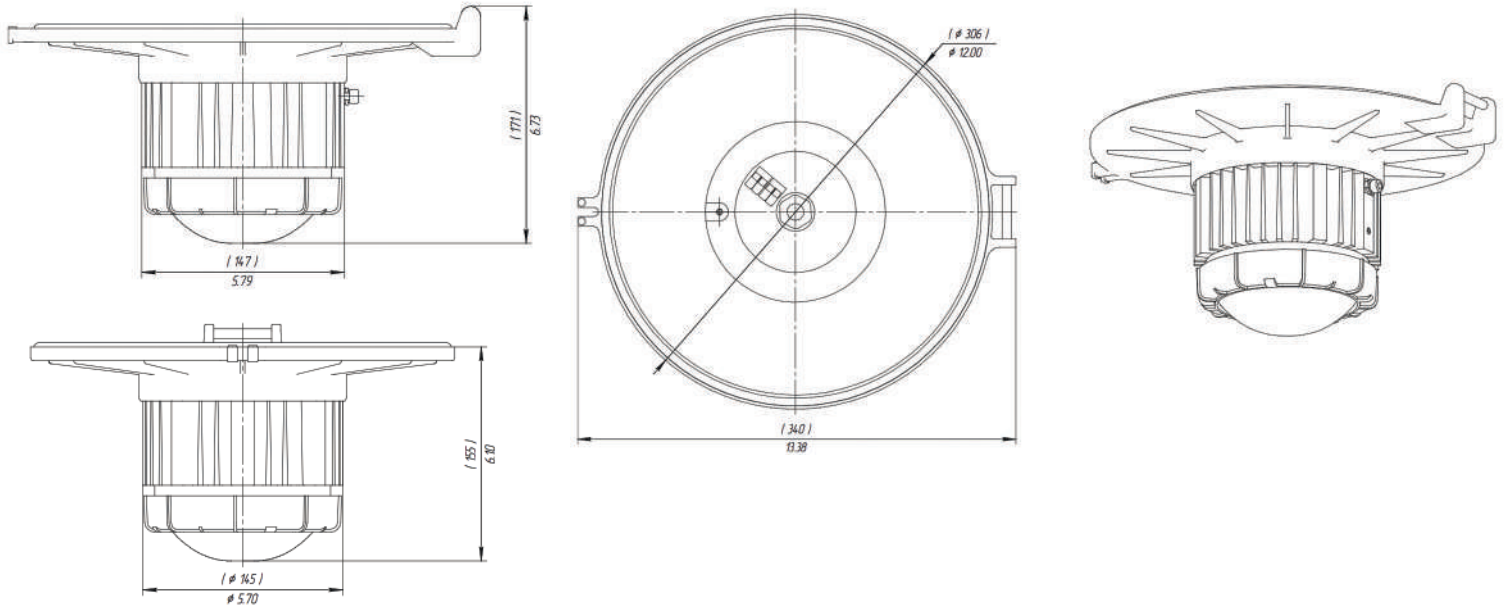
RET-HL-RFA2 (20-60W)

FIXTURE WEIGHT:
7,5 lb (3,4 kg)



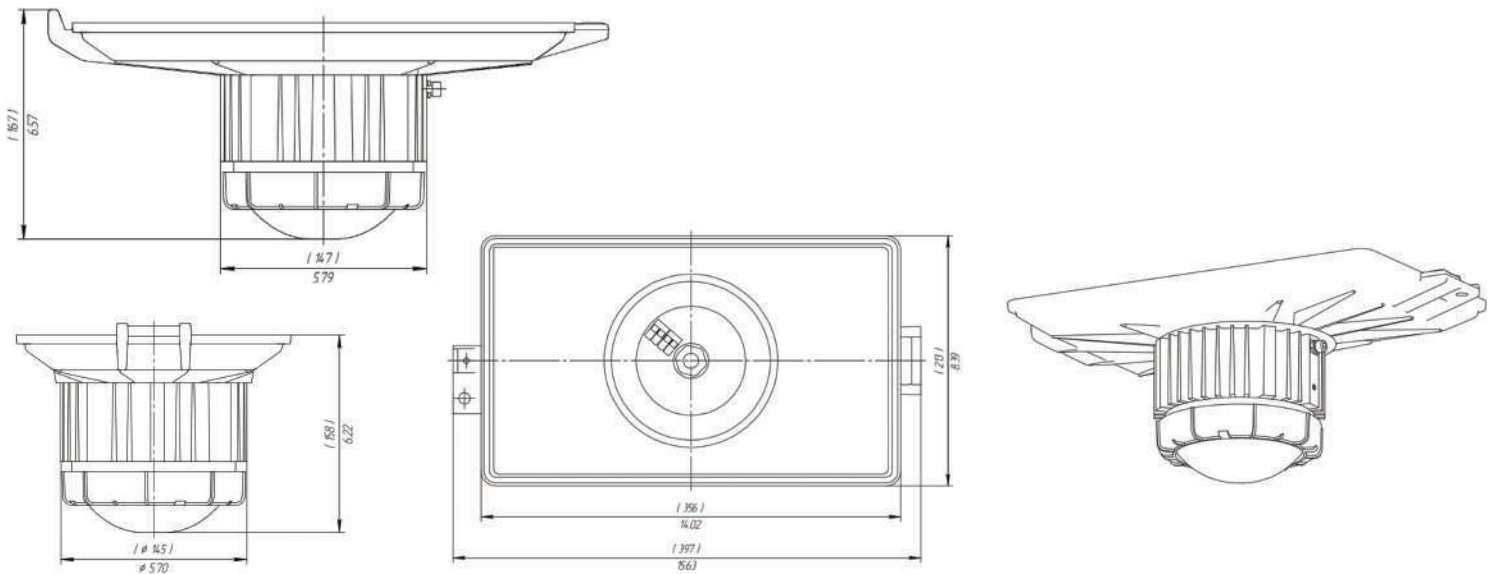
RET-HL-RFA3 (20-60W)

FIXTURE WEIGHT:
10,8 lb (4,9 kg)



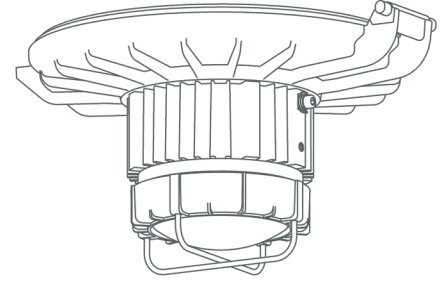
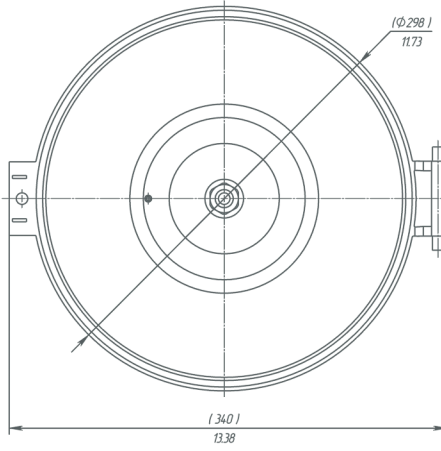
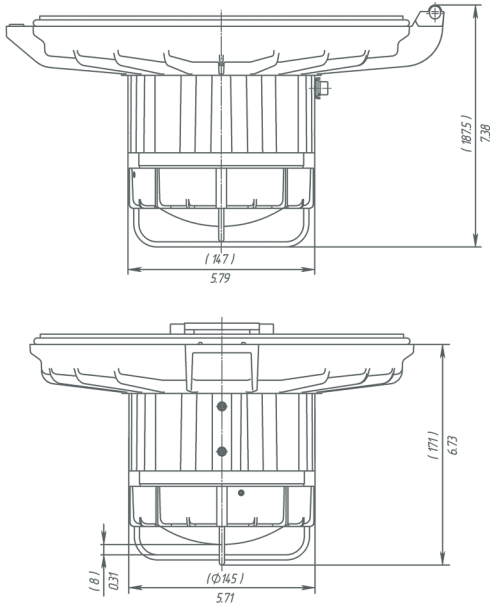
RET-HL-RFGE (20-60W)

FIXTURE WEIGHT:
10,8 lb (4,9 kg)



RET-HL-RFTB (20-60W)

FIXTURE WEIGHT:
11,5 lb (5,2 kg)



 CONTACTS

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