HRLL Series
Hazardous Area Lighting Fixtures

Description
• Versatile, heavy-duty explosion-proof LED fixture designed for hazardous environments where flammable gases or vapors, flammable liquids, combustible dust and/or ignitable fibers may exist.
• Suitable for wet locations and marine environments with saltwater spray.

Optics
• Heat resistant, internally prismatic glass globe for optimal photometric performance.
• Electro-Polished stainless steel wire guard.

Electrical
• Wireless electromechanical connector block for quick, safe fixture removal and bench-top maintenance.
• Acme double lead threads are provided for quick & easy trouble-free maintenance.
• Standard color temperature — 5000 K CCT.
• 10 kV/10kA surge protection is standard.

Mechanical
• Driver housing, outlet boxes and lens retaining rings are high strength corrosion resistant copper free (less than 0.4%) aluminum.
• External fins, internal fins and strategic location of driver and other components provide efficient heat dissipation for cooler operation and longer driver life.
• Exterior finish is baked-on powder epoxy for added corrosion protection.
• Available in five mounting styles: pendant, ceiling, 90° wall bracket, 25° stanchion mount and trunnion.
• Factory sealed — external seals not necessary

Listings
• UL844 (see matrix on page 4):
  Class 1, Division 1, Group C & D
  Class 2, Division 1, Groups E, F & G
  Class 3
  Class 1, Zone 1, Groups IIA & IIB
• Paint Spray Booth (to 40° C)
• NEMA 4X, IP66
• UL 1598A Marine Outside
• UL 1598 - Wet Location

Warranty
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_Conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Typical Applications	
• Paint Spray Booth	• Chemical Plants
• Coal & Dust Storage	• Waste Water & Water Treatment Plants
• Petroleum Refineries	• Power Generation Plants
• Ethanol Facilities	

Dimensions: *Inches (millimeters) unless otherwise noted.*

See individual fixture dimensions and weight specifications on page 2.

ORDERING INFORMATION

Example: HRLL 8L AS GG PD

Series	Lumens	Voltage	Globe & Guard	Mounting	Options
HRLL	8L 8000 nominal lumens	AS 120-277V 50/60 Hz 12 120V [1] 20 208V [1] 24 240V [1] 27 277V [1]	GG Globe and guard G Globe only	PD 3/4" pendant PD1 1" pendant CE 3/4" ceiling CE1 1" ceiling WL 3/4" wall WL1 1" wall ST 1 1/4" stanchion [2] ST1 1 1/2" stanchion [2] TR Trunnion [2,3]	F1 Single fuse block [4,5] F2 Double fuse block [4,5] EBO Eye bolt only

Accessories: *Order as separate catalog number.*	
HRLLDR	Dome reflector
HRLLAR	30° angle reflector
HRLLHB	High bay alum reflector
HRLLWG	Wire guard

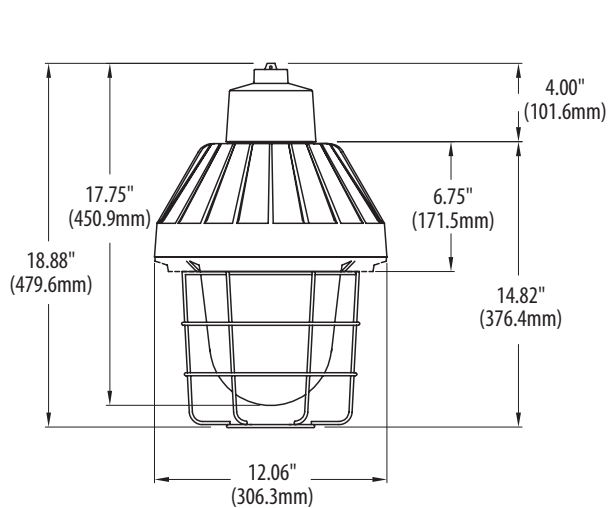| Replacement Parts List	
HRLLPD	3/4" Pendant outlet box
HRLLPD1	1" Pendant outlet box
HRLLCE	3/4" Ceiling outlet box
HRLLCE1	1" Ceiling outlet box
HRLLWL	3/4" Wall outlet box
HRLLWL1	1" Wall outlet box
HRLLST	3/4" Stanchion outlet box
HRLLST1	1" Stanchion outlet box
HRLLGL	Prismatic glass globe

Notes
1 Specify for other options.
2 Not paint spray both approved.
3 Not listed for Class 2, Div 1.
4 Not available with universal driver, unless incoming voltage is specified. When installed, one fuse block is provided for 120 and 277V and two fuse blocks are provided for 208 and 240V. Fuse not included.
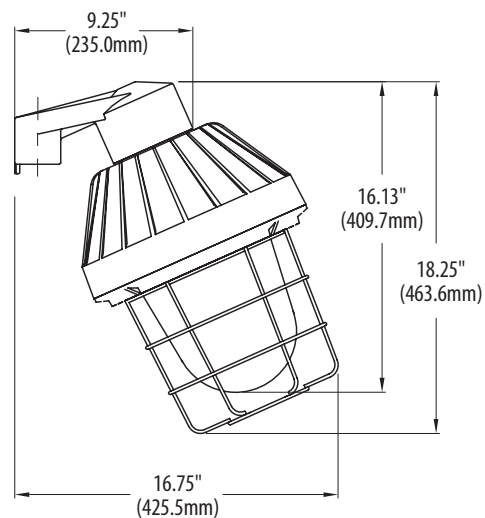5 Fuse option not available for marine listed fixture.

HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS

DIMENSIONAL DATA

4.00"
(101.6mm)

17.75"
(450.9mm)

6.75"
(171.5mm)

18.88"
(479.6mm)

14.82"
(376.4mm)

12.06"
(306.3mm)

Pendant Mount
(41.6 lbs)

9.25"
(235.0mm)

16.13"
(409.7mm)

18.25"
(463.6mm)

16.75"
(425.5mm)

Stanchion Mount
(42.7 lbs)

3.94"
(100mm)

4.94"
(125.5mm)

0.41" (10.4mm) TYP

4.94"
(125.5mm)

3.94"
(100mm)

11.50"
(292.1mm)

1.19"
(30.2mm)

6.75"
(171.5mm)

19.25"
(489.0mm)

18.09"
(459.5mm)

14.82"
(376.4mm)

17.5"
(444.5mm)

Wall Mount
(45.7 lbs)

DIMENSIONAL DATA

0.43" (10.9mm)
45°
4.06" (103.1mm)
4.06" (103.1mm)
5.94" (150.9mm)

0.94" (23.9mm)
4.00" (101.6mm)
17.75" (450.9mm)
6.75" (171.5mm)
18.88" (479.6mm)
14.82" (376.4mm)
12.06" (306.3mm)

Ceiling Mount
(43.5 lbs)

18.88" (479.6mm)
17.75" (450.9mm)

8.38" (212.9mm)

Trunnion Mount
(43.6 lbs)

12.50" (317.5mm)
0.56" (14.2mm) TYP
7.50" (190.5mm)
3.50" (88.9mm)
2.00" (50.8mm)

11.62" (295.1mm)
5.25" (133.4mm)
20.25" (514.4mm)
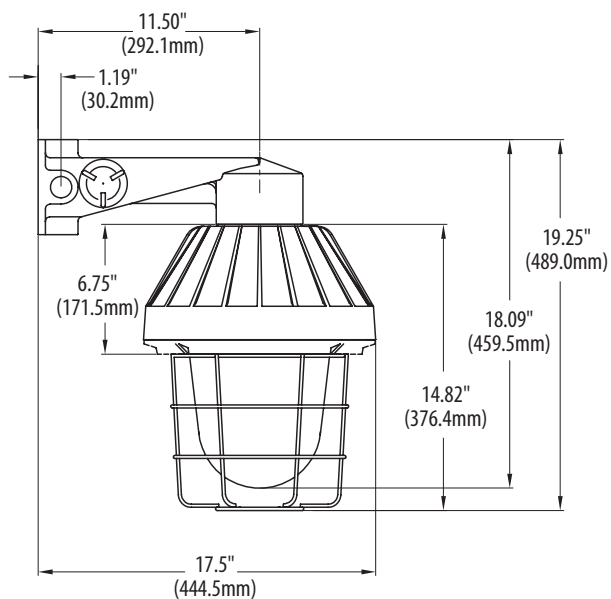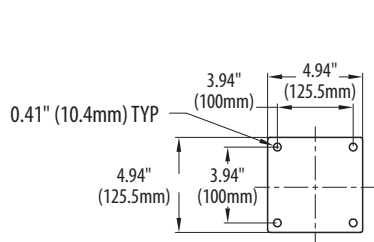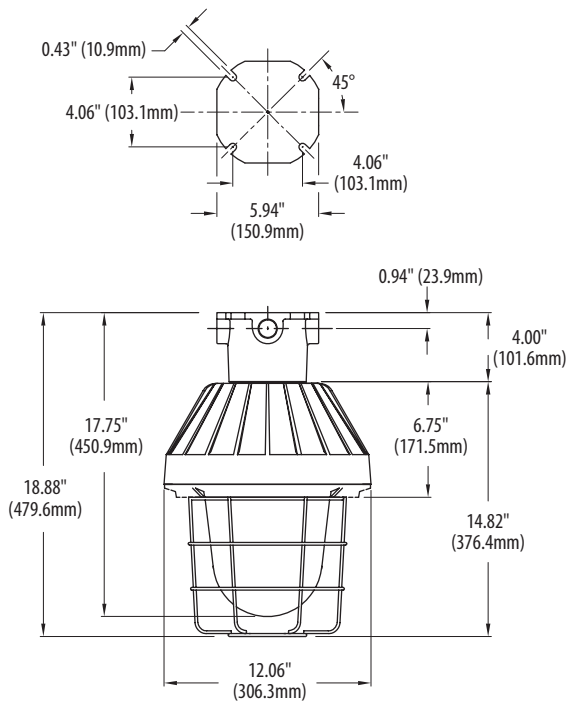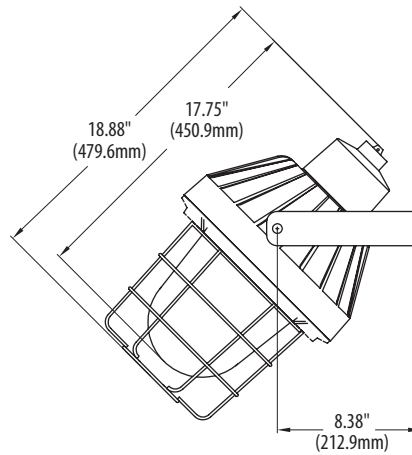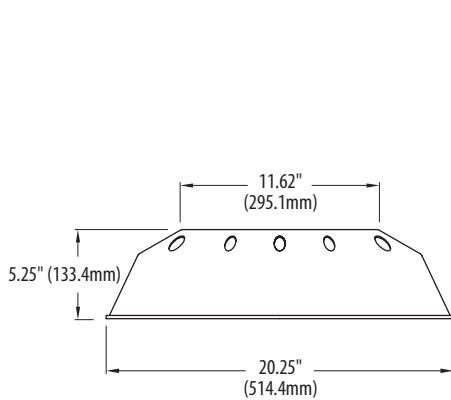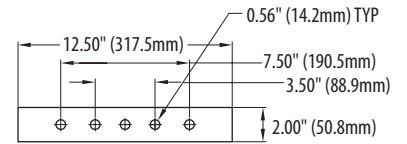
Standard Dome Reflector
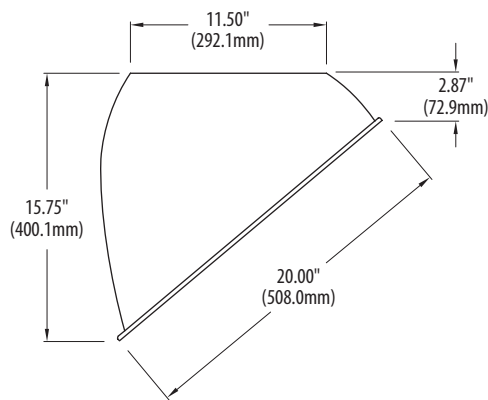
11.50" (292.1mm)
2.87" (72.9mm)
15.75" (400.1mm)
20.00" (508.0mm)

Angle Reflector

11.12" (282.4mm)
12.93" (328.4mm)
20.75" (527.1mm)
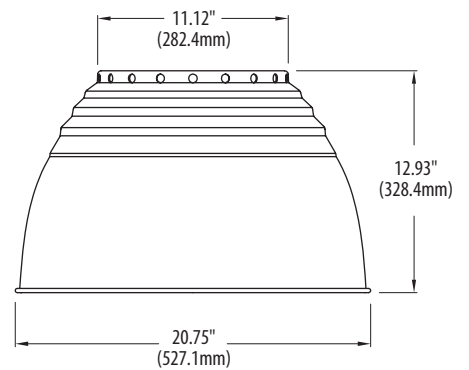
Deep Dome Reflector

OPERATIONAL DATA

Operating Characteristics

Package	Ambient Rating (120V - 277V)	Delivered Lumens 5700 K CCT @ 25C[1]	Wattage @ 120V	LPW @ 5700K
HRLL8L	-4°F to 131°F (-20°C to 55°C)	8,800	94	95

Notes
1   Absolute photometry calculated in accordance with IESNA LM-79-08
2   Calculated using data collected according to LM-80 and represents lumen maintenance of the LED package.

Operating Temperature Code for Hazardous Locations:

Package [1,2]	Max Ambient Range	Class 1 Division 1 Groups C, D	Class 2 Division 1, Groups E, F, G, Class 3	Class 1 Zone 1 Groups IIA & IIB [3]	Paint Spray Booth
HRLL8L	55°C	T6	T6	T6	No
HRLL8L	40°C	T6	T6	T6	Yes [4]

Notes
1   Supply wire temperature is 90°C.
2   UL1598 Marine approved.
3   Pendant, ceiling, wall and stanchion mount only.
4   Pendant, ceiling and wall mount only.