

Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

EXPLOSION PROOF RAPTOR II VAPOR TIGHT FIXTURE



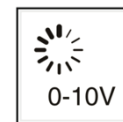
The Explosion Proof Raptor II Vapor Tight Fixture is designed for hazardous locations exposed to flammable gases, vapors, and liquids. This 2' or 4' hazloc luminaire is ABS marine rated, 1200 hour salt spray tested, IK10 impact rated, and IP66/IP67 rated. It ranges from 20W-60W, with efficiency up to 136 lm/W. Class and Division ratings include CID2, CIID1, CIID2, and CIII. It is available with optional emergency battery backup, 0-10V dimming, three mounting options, and a 10-year non-prorated warranty.

FEATURES

- Marking UL844 Hazardous Locations: CID2, CIID1, CIID2, and CIII
- 20W-60W models
- Up to 8,380 lumens and up to 136 lm/W
- IP66 / IP67 rating
- IK10 impact rating & 3G vibration rating
- DLC listed
- Ceiling, rope, and pole mounting options
- SUS 304 stainless steel housing with milky white epoxy powder coat finish, transparent or diffuse fiberglass-reinforced polycarbonate lens, silicone gasket
- 0-10V dimmable, optional emergency battery backup
- 10-year non-prorated warranty

APPLICATIONS

- Marine locations, including engine rooms, decks, walkways
- Oil & gas refineries
- Pulp and paper
- Offshore drilling platform
- Wastewater facilities



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ORDERING INFORMATION

MODEL NUMBER	POWER	LUMENS	LENGTH	VOLTAGE	CRI	CCT	MIN. ORDER QTY	US STOCK?
ECO-EX-20W-R2YZDA	20W	2,700	2'	120-277VAC	80+	2700K/4000K/5000K	2	Yes
ECO-EX-30W-R2YZDA	30W	4,000	2'	120-277VAC	80+	2700K/4000K/5000K	2	Yes
ECO-EX-40W-R2YZDA	40W	5,000	2'	120-277VAC	80+	2700K/4000K/5000K	2	Yes
ECO-EX-50W-R4YZDA	50W	7,000	4'	120-277VAC	80+	2700K/4000K/5000K	2	Yes
ECO-EX-60W-R4YZDA	60W	8,300	4'	120-277VAC	80+	2700K/4000K/5000K	2	Yes

TECHNICAL SPECIFICATIONS

Beam Angle	120°	IP Rating	IP66/IP67
CRI	80+	Impact Rating	IK10
CCT	2700K, 4000K, 5000K	Vibration Rating	3G
Efficacy	Up to 136 Lm/W	Salt Spray Test	1200 hours
Input Voltage	120-277VAC	Lifetime (L70)	50,000 hours
Power Frequency	50-60 Hz	Construction	SUS 304 stainless steel housing transparent or diffuse fiberglass-reinforced polycarbonate lens silicone rubber gasket aluminum alloy latches / clips\
Power Factor	>0.9	Finish	Milky white epoxy powder coat finish
Driver Efficiency	≥90%	Warranty	10 Years or 50,000 hours non-prorated Battery backup 3 years
THD	120VAC: ≤1.89% 277VAC: ≤5.31%	Net Weight	2': 11.6 lbs 2' with EM: 14.33 lbs 4': 19.67 lbs 4' with EM: 22.49 lbs
Control Options	0-10V dimming, emergency battery backup option	Mounting Options	Ceiling, rope, and pole mounting options
Surge Protection	4kV	Cable Entries	Standard: 4 x NPT3/4 (Side x1 open, Side x3 with stopping plugs) W/ EM: 3 x NPT3/4(Side x1 open, Side x2 with stopping plugs) x self testing button
Certifications	UL844 Hazardous Locations: –Class I, Division 2, Groups A, B, C, D –Class I, Division 1, Groups E, F, G –Class II, Division 2, Groups F, G –Class III UL 1598 UL 1598A UL 8750 UL 924 ABS DLC Standard v5.1 ATEX Marking: –Ex II 2GD –Ex db eb mb IIC T6/T5 Gb –Ex tb IIIC T80°C/T95°C Db IP66 IECEX Marking: –Ex db eb mb IIC T6/T5 Gb –Ex tb IIIC T80°C/T95°C Db IP66	Operating Temperature	-40°F to 122°F
		Accessory Options	Emergency battery backup, diffuse lens (transparent standard)

*Data is based upon tests performed in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

*IES files provided on request.

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CONTROL OPTIONS

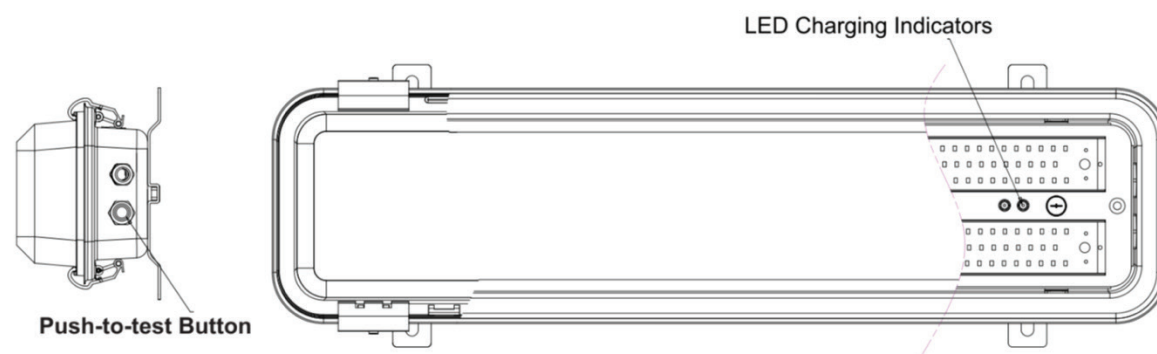
Control Options: 0-10V dimming standard, emergency battery backup option.

Optional emergency battery backup:

CAUTION: Sealed unit. Battery not replaceable. Replace entire unit when necessary.

Model	Input Rating				Emergency Output Rating	
	Vac	Hz	Max.mA	Max.W	Vdc	Constant Wattage, W
EM-15W-HL	120-277	50/60	100	7	25-55	15

Model	Charge Time, Hours	Emergency Run Time, Min	Response Time, mS	Rated Ambient Range, °C	Battery Life Expectancy
EM-15W-HL	24	90	< 550	0~60	5 Years



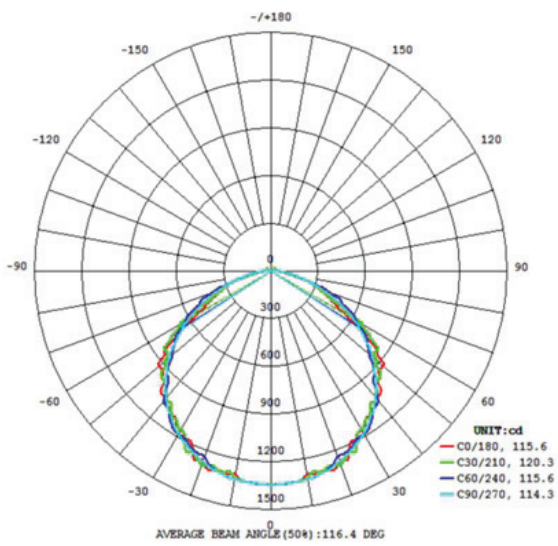
Indicator Information

Operate Mode		LED Features	YELLOW LED (State LED)	Green LED (Indicate LED)
Charge Mode	Charging			Flash 0.2HZ (5S/time)
	Fully charged			ON
Discharge Mode	Discharge			Flash 1HZ (1S/time)
	Discharge cut-off			OFF
Battery disconnect			Flash 2HZ (0.5S/time)	
LED Lamp disconnect			Flash 2HZ (0.5S/time)	
Battery under voltage			Flash 1HZ (1S/time)	
Battery over voltage			Flash 1HZ (1S/time)	
Function test beginning (once a month)				Flash 2HZ (0.5S/time), flash 5 times
Under function test				Flash 1HZ (1S/time)
Function test failed			Flash 0.5HZ (2S/time)	
Discharge duration test beginning (once a year)				Flash 2HZ (0.5S/time), flash 7 times
Under discharge duration test				Flash 1HZ (1S/time)
Discharge duration test failed			Flash 0.5HZ (2S/time)	

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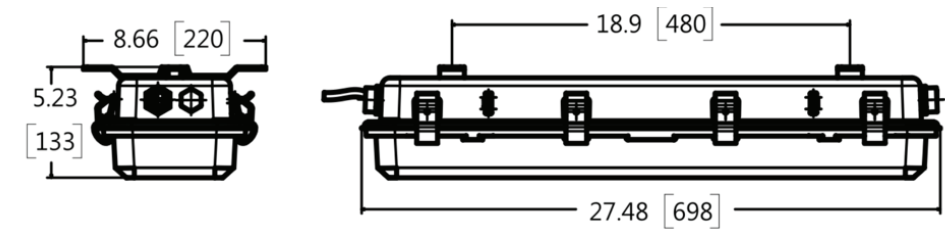
PHOTOMETRICS

Light Distribution Curve

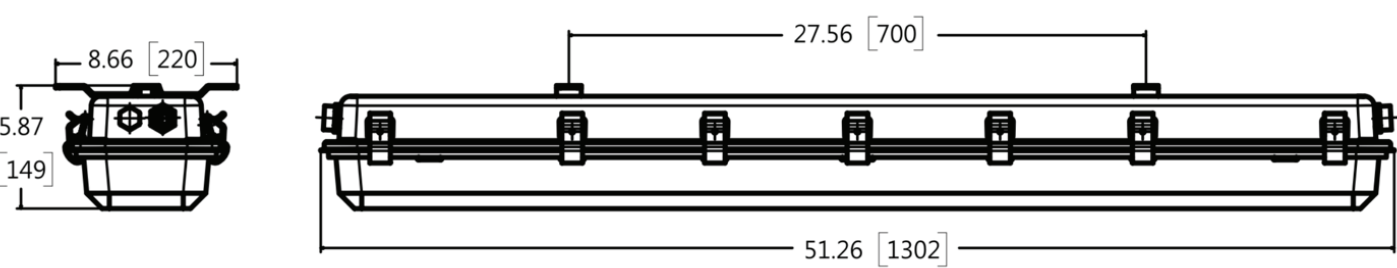


DIMENSIONS

R2



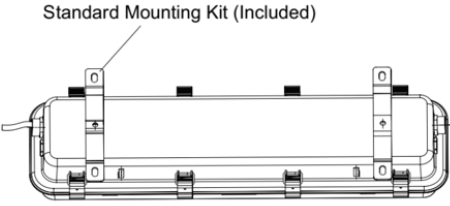
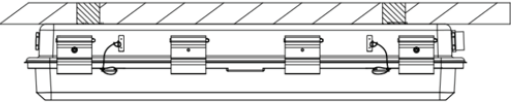
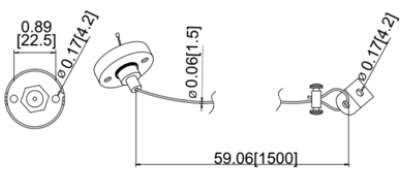
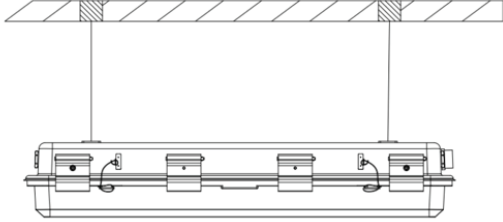
R4



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MOUNTING OPTIONS

- *Mounting screws not provided
- ** Ordered separately, field installed

Options	Description	Kit(inch[mm])	Installed
Ceiling Mount	Provided with two stainless steel mounting kits welded at the back of Housing	<p>Standard Mounting Kit (Included)</p> 	
Rope Mount	Provided with two stainless steel wire. Measured 1 mm diameter.		
Pole Mount	(1) 155° Pipe (2) Pipe Clamp bracket	