

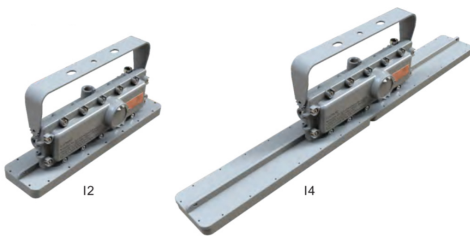
Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

EXPLOSION PROOF FALCON II LINEAR LOW BAY FIXTURE

Regular Model



Side Opening Cover Model



The **Explosion Proof Falcon II Linear Low Bay Fixture** is an industrial-grade linear low bay that is ideal for marine and hazardous location applications. The fixture is impervious to moisture, dirt, dust, corrosion, vibration, wind, water, and snow. This luminaire family is offered with a wide range of Class I, II, and III explosion proof ratings, as well as Marine markings of UL1598A and ABS. The housing boasts die-cast aluminum, tempered glass lens, and stainless steel hardware has an IP66 rating.

FEATURES

- Marking UL844
 - Class I Division 1, Group C, D
 - Class I Division 2, Group A, B, C, D
 - Class II Division 1, Group E, F, G
 - Class II Division 2, Group F, G
 - Class III
 - Class I, Zone 1, Group IIB
 - Class II, Zone 21, Group IIIC
- Marine Markings UL 1598 wet listed, UL1598A, ABS
- IP 66
- IK08 Impact rating without wireguard, IK10 with wireguard
- 100-277VAC or 200-480VAC
- Dimming and battery back up options available

APPLICATIONS

- Oil and Gas industry
- Mining operations and service
- Chemical industry
- Ocean, marine, and aerospace
- Metal treatment
- Food and alcohol industry
- Other high humidity, high dust, high temperature, and vapor locations



ORDERING INFORMATION

MODEL NUMBER	LENGTH	POWER	LUMENS	VOLTAGE	CRI	CCT	BEAM ANGLE (DEG)	MIN. ORDER QTY	US STOCK?
ECO-EX-20W-I2YZDA	2'	20W	2,800	100-277 VAC or 200-480 VAC	70+	2700K-7000K	120	2	Y
ECO-EX-40W-I2YZDA	2'	40W	5,600	100-277 VAC or 200-480 VAC	70+	2700K-7000K	120	2	Y
ECO-EX-60W-I2YZDA	2'	60W	8,400	100-277 VAC or 200-480 VAC	70+	2700K-7000K	120	2	Y
ECO-EX-40W-I4YZDA	4'	40W	5,600	100-277 VAC or 200-480 VAC	70+	2700K-7000K	120	2	Y
ECO-EX-60W-I4YZDA	4'	60W	8,400	100-277 VAC or 200-480 VAC	70+	2700K-7000K	120	2	Y
ECO-EX-80W-I4YZDA	4'	80W	11,200	100-277 VAC or 200-480 VAC	70+	2700K-7000K	120	2	Y
ECO-EX-100W-I4YZDA	4'	100W	14,000	100-277 VAC or 200-480 VAC	70+	2700K-7000K	120	2	Y
ECO-EX-120W-I4YZDA	4'	120W	16,800	100-277 VAC or 200-480 VAC	70+	2700K-7000K	120	2	Y

TECHNICAL SPECIFICATIONS

Wattage	2': 20W, 40W, 60W 4': 40W, 60W, 80W, 100W, 120W
Lumen output	Up to 16,800 lumens
Efficacy	140 Lm/W
Beam angle	120°
Certifications	UL 844 Hazardous Locations Class I Division 1, Group C, D Class I Division 2, Group A, B, C, D Class II Division 1, Group E, F, G Class II Division 2, Group F, G Class III Class I, Zone 1, Group IIB Class II, Zone 21, Group IIIC UL 1598 Wet Locations UL 1598A Marine Outside Type UL 924 Emergency Lighting CSA C22.2#137:2018 Ed.2 CSA C22.2#250.0:2021 Ed.5 ETL (ATM for Report 105342415DAL-001/003) ABS DLC (only some models)
CRI	70+
CCT	2700K – 7000K
IP Rating	IP66
Impact Rating	IK08 without wireguard IK10 with wireguard
Input Voltage	100-277 VAC 200-480VAC

Power Frequency	50-60 Hz
Power Factor	>0.95
Emergency Back Up Run Time	1.5 hours
Mounting Options	Ceiling, Pole, Wall, Chain, Pendant
Cable Entries	Top: 3/4 NPT(standard), 1/2 NPT Two sides: 3/4 NPT(standard), 1/2 NPT
Housing Material	Die-cast aluminum, tempered glass lens, and stainless steel hardware.
Rated Life (L70)	150,000 hours @ 55°C
Warranty	10 Years or 50,000 hours non-prorated.
Operating Temperature	20W-80W: -40°F to 140°F 100W-120W: -40°F to 104°F
Net Weight	2' Regular: 26.46 lbs 4' Regular: 40.79 lbs 2' Side Opening Cover: 33.07 lbs 4' Side Opening Cover: 47.40 lbs
Controls	0-10V Dimming and battery backup options available

*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.

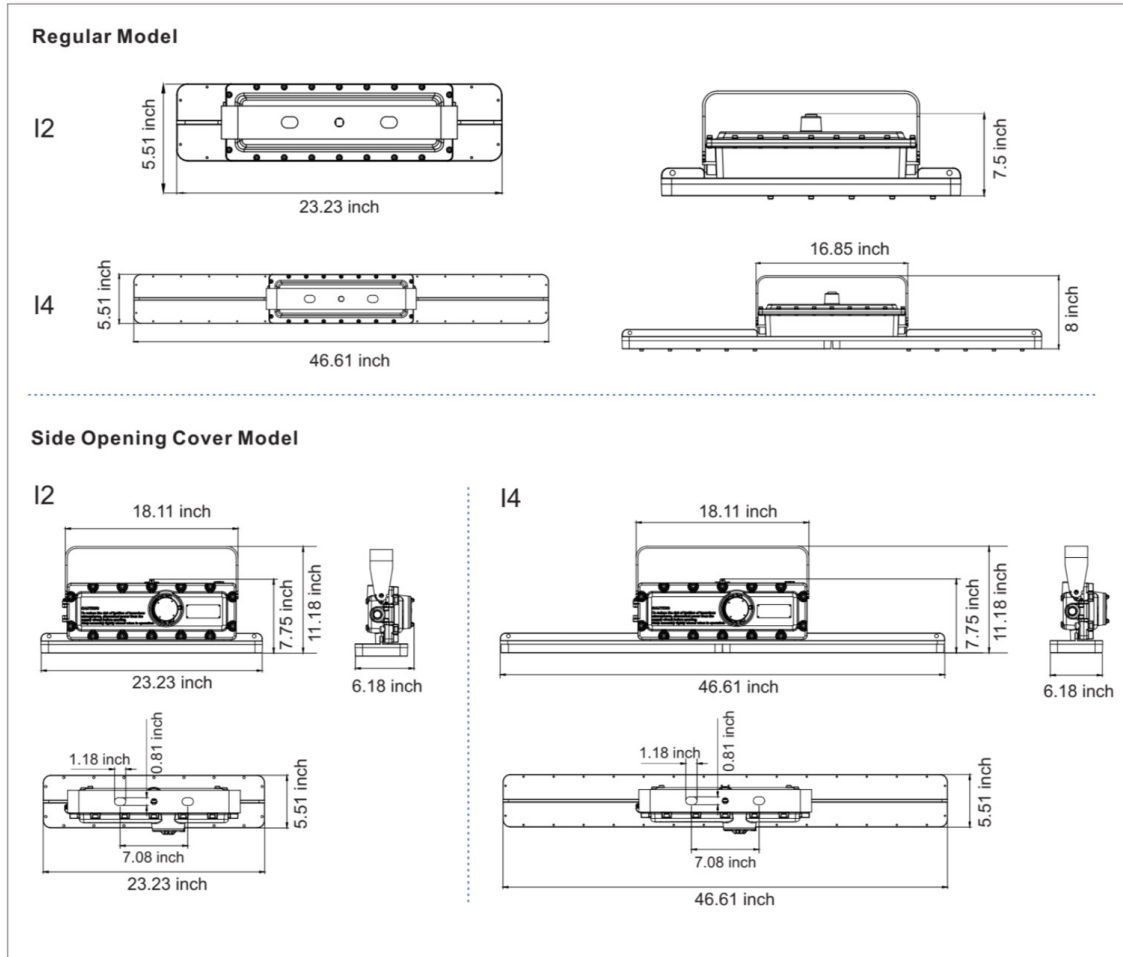
*IES files provided on request.

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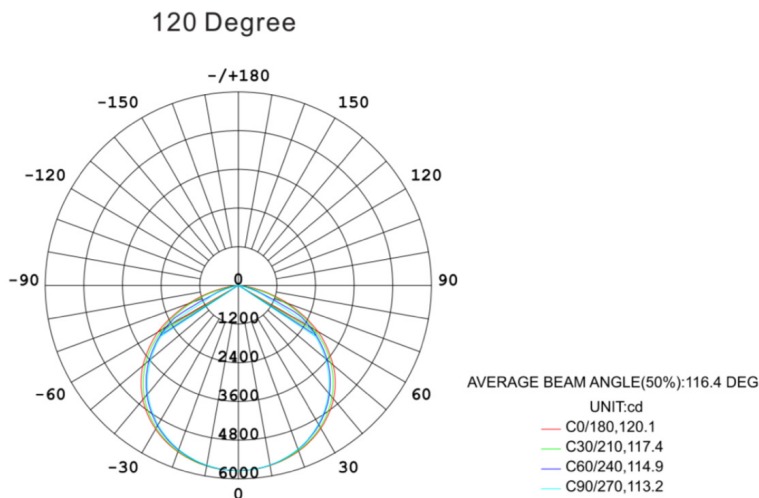
CONTROL OPTIONS

Control Options: 0-10V Dimming and emergency battery backup.

DIMENSIONS



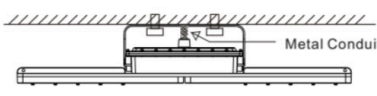
PHOTOMETRICS



EXPLOSION PROOF FALCON II LINEAR LOW BAY FIXTURE


MOUNTING OPTIONS

• Option 1: Ceiling Mounting




Metal Conduit

• Accessories

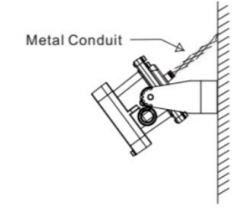


Bracket




Metal Conduit
EX-NG

• Option 2: Wall Mounting




Metal Conduit

• Accessories

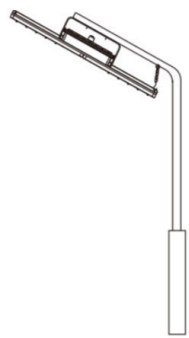


Bracket




Metal Conduit
EX-NG

• Option 3: Pole Mounting

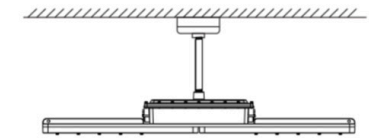


• Accessory




Bracket


• Option 4: Pendant Mounting



• Accessories

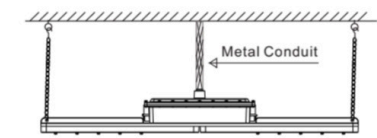


Junction Box
EX-HD51-KB1




Pole
Ex-Straight Pipe

• Option 5: Chain Mounting




Metal Conduit

• Accessories



Pendant Chain
Ex-Straight Chain



Metal Conduit
EX-NG