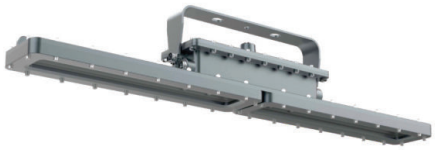
LED Explosion Proof Light
I Series

I2



I4



TECHNICAL SPECIFICATIONS - I Series

Certifications

ATEX	IECEx	UL844	Marine
II2 G Ex db IIB T4 Gb	Ex db IIB T4 Gb	Class I, Division 1, Groups C,D	UL 1598
II2 D Ex tb IIIC T63.5°C Db IP66	Ex tb IIIC T63.5°C Db IP66	Class I, Division 2, Groups A,B,C,D	UL1598A
		Class II, Division 1, Groups E,F,G	ABS
		Class II, Division 2, Groups F,G	IP66
		Class III	

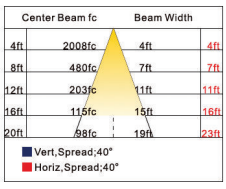
Features

- Dimmable and battery backup function is available.
- High-quality SMT LED and Meanwell driver.
- Heavy-duty and high impact resistance.
- Replaceable LED board and drivers.
- Integrated junction box for driver.
- Marine rating powder coated finish treatment.
- High efficacy - up to 140 lumens per watt.
- 5-year warranty.
- Low temperature applications to -40°C (-40°F) and high temperature up to 60°C (140°F).

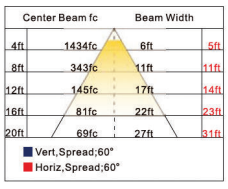
Standard Materials:

- Housing: Copper-free aluminum
- Lens: Glass
- Hardware: Stainless steel
- Mounting Bracket: Stainless steel

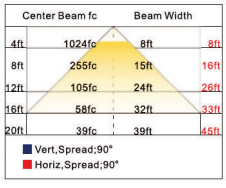
Photometry:



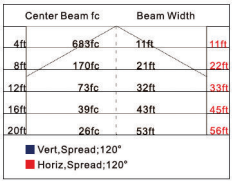
40°



60°



90°



120°

Typical applications include:

- Oil and gas industry
- Ocean, marine and aerospace field
- Food and alcohol industry
- Chemical industry
- Metal treatment
- Other high humidity, high dust, high temperature, vapor locations.

A brighter future with Constellation Lighting

Call us: (832) 717-5750

21175 Tomball Parkway, Suite 114, Houston TX, 77070

info@constellationlighting.us : www.constellationlighting.us

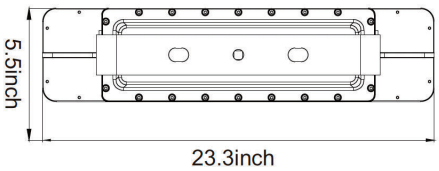
TECHNICAL SPECIFICATIONS - I Series

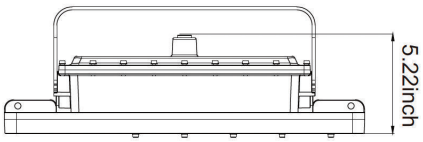
Technical Data

Model	Wattage	Operating Voltage	Lumens (lm)	Efficacy (lm/W)	CRI	CCT	Emergency Time
EX-20W I2YZDA	20W	AC100-277V/200-480V or DC12-36V	2,800	140	>70	2200K-7000K	3 hours
EX-40W I2YZDA	40W		5,600				
EX-50W I2YZDA	50W		7,000				
EX-60W I2YZDA	60W		8,400				
EX-60W I4YZDA	60W		8,400				
EX-80W I4YZDA	80W		11,200				
EX-100W I4YZDA	100W		14,000				
EX-120W I4YZDA	120W		16,800				

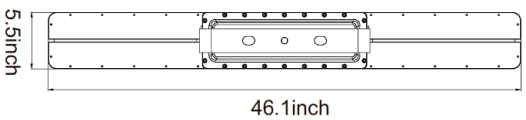
DIMENSIONS I Series

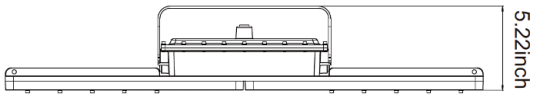
I2 Series





I4 Series





A brighter future with Constellation Lighting

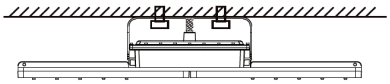
Call us: (832) 717-5750

21175 Tomball Parkway, Suite 114, Houston TX, 77070

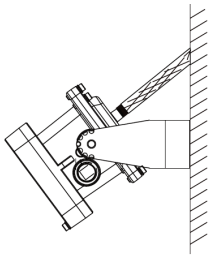
info@constellationlighting.us : www.constellationlighting.us

MOUNTING METHODS
I Series

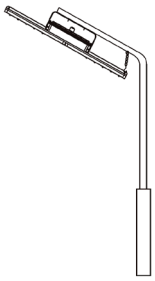
Ceiling Mounting:



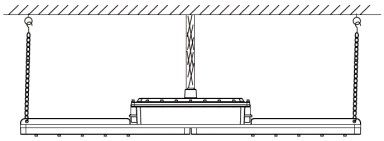
Wall Mounting:



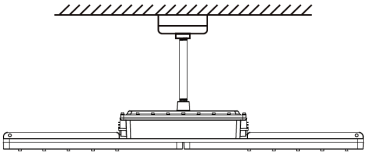
Pole Bracket Mounting:



Chain Mounting:



Pole Pendant Mounting:



ACCESSORIES
I Series



Model: Ex-Junction Box
Name: Junction Box
Material: Aircraft Aluminum A383



Model: Ex-Straight Pipe
Name: Straight Pipe
Material: Iron



Model: Ex-Conduit 01
Name: Metal Conduit
Material: Stainless Steel and Aluminum



Model: EX-Bended Pipe
Name: Bended Pipe
Material: Iron



Model: Ex-Chain
Name: Pendant Chain
Material: Stainless Steel S3040



Model: Ex-Bracket
Name: U-bracket
Material: Stainless Steel

A brighter future with Constellation Lighting

Call us: (832) 717-5750
21175 Tomball Parkway, Suite 114, Houston TX, 77070
info@constellationlighting.us : www.constellationlighting.us