

VOCARE LED LIGHT



VOC-EX-FL SERIES EXPLOSION PROOF LED FLOOD LIGHT

hazardous locations

VOCARE-LEDLIGHT
www.vocare-ledlight.com



LED EXPLOSION PROOF FLOOD LIGHT

VOC-EX-FL Series

Product description



VOC explosion-proof floodlight has more than 50,000 hours lifespan, and the maintenance is reduced to 30% of the double input cost of the traditional lighting system. At the same time, it features a well-designed optical system, high luminous efficiency and a variety of beam Angle options. ADC12 die-cast aluminum, tempered glass has better shock and vibration resistance. There are a variety of installation methods for your different projects. UL1598A North American marine anti-corrosion can be used in marine application and hazardous areas Zone 1&21, Zone 2&22.

Features

- Private-mold designed to be Curved Fin Shape, maximize the best heat transmit.
- Aluminum alloy (ADC12).
- Lens -tempered glass shock & vibration resistant, Super clear, >90% light transmit.
- LED: LM80 certified,130 lm/W ± 5 , up to 26000lm.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP66,high protection grade for waterproof and dust-proof.

Certification

ATEX:

-  II2G Ex eb mb op is IIC T4 Gb;
-  II2D Ex op is tb IIC T95°C Db;
- Certificate No: IEP 19ATEX 0714

IECEX:

- Ex ec IIC T4 Gc;
- IP66;
- Certificate No: IECEX UL 18.0046

Application

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

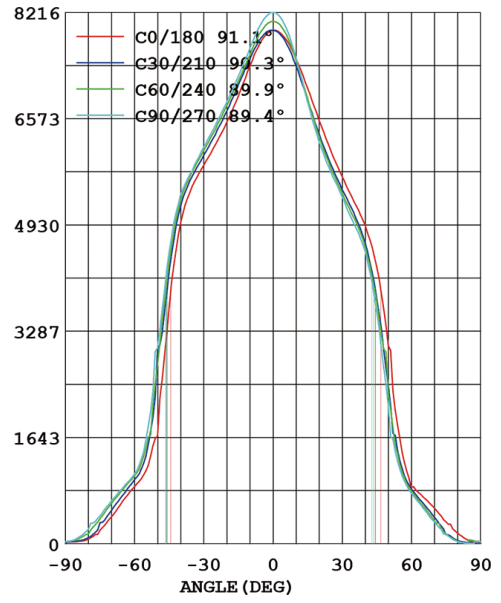
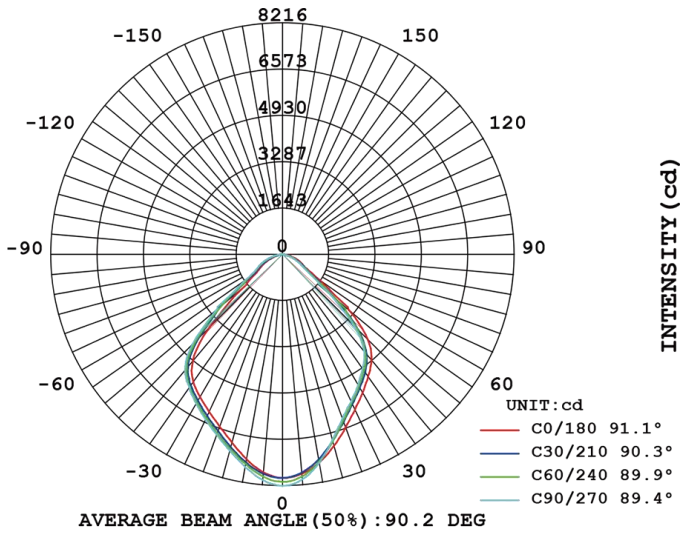
Warranty

3-Year Standard Warranty



(Please see the specification of UL HazLoc version)

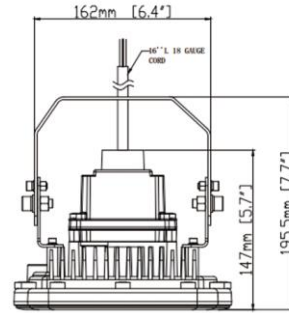
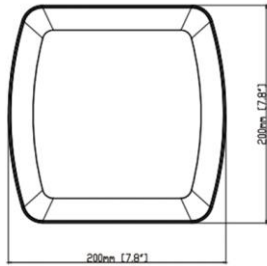
Lighting Distribution



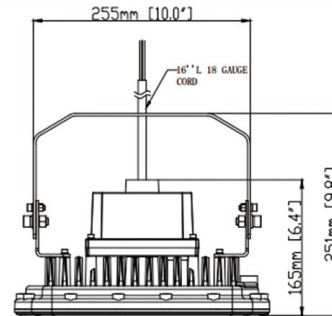
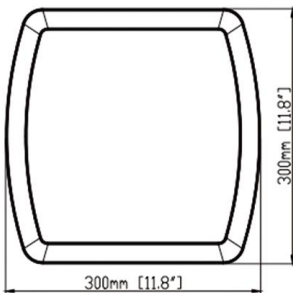
Height	AVR E	CENTER E	Diameter
1.00m	3412.47lx	7939.86lx	197.96cm
3.00m	379.16lx	882.21lx	593.89cm
5.00m	136.50lx	317.59lx	989.81cm
7.00m	69.64lx	162.04lx	1385.73cm
9.00m	42.13lx	98.02lx	1781.66cm

Angle: 89.4deg

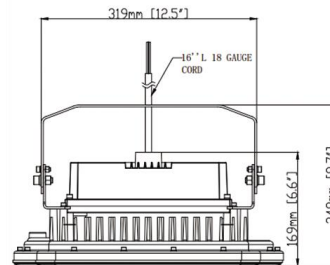
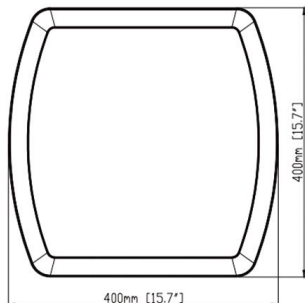
Size and packaging



Product Model	Product Size	Carton Size	QTY/CTN	Net Weight	Gross Weight
VOC-EX-FL-20	200 × 200 × 147mm(7.8×7.8×5.7)"	255 × 255 × 215mm(10×10×8.5)"	1	4 kg/8.8 lbs	5.0 kg/11.0 lbs
VOC-EX-FL-30	200 × 200 × 147mm(7.8×7.8×5.7)"	255 × 255 × 215mm(10×10×8.5)"	1	4 kg/8.8 lbs	5.0 kg/11.0 lbs
VOC-EX-FL-40	200 × 200 × 147mm(7.8×7.8×5.7)"	255 × 255 × 215mm(10×10×8.5)"	1	4 kg/8.8 lbs	5.0 kg/11.0 lbs



Product Model	Product Size	Carton Size	QTY/CTN	Net Weight	Gross Weight
VOC-EX-FL-60	300×300×165mm(11.8×11.8×6.4)"	375×375×245mm(14.8×14.8×9.6)"	1	7 kg/16.5 lbs	9.0 kg/19.8 lbs
VOC-EX-FL-80	300×300×165mm(11.8×11.8×6.4)"	375×375×245mm(14.8×14.8×9.6)"	1	7 kg/16.5 lbs	9.0 kg/19.8 lbs
VOC-EX-FL-100	300×300×165mm(11.8×11.8×6.4)"	375×375×245mm(14.8×14.8×9.6)"	1	7 kg/16.5 lbs	9.0 kg/19.8 lbs



Product Model	Product Size	Carton Size	QTY/CTN	Net Weight	Gross Weight
VOC-EX-FL-120	400×400×169mm(15.7×15.7×6.6)"	470×470×250mm(18.5×18.8×9.8)"	1	10.5 kg/23.1 lbs	12 kg/26.4 lbs
VOC-EX-FL-150	400×400×169mm(15.7×15.7×6.6)"	470×470×250mm(18.5×18.8×9.8)"	1	10.5 kg/23.1 lbs	12 kg/26.4 lbs
VOC-EX-FL-180	400×400×169mm(15.7×15.7×6.6)"	470×470×250mm(18.5×18.8×9.8)"	1	10.5 kg/23.1 lbs	12 kg/26.4 lbs
VOC-EX-FL-200	400×400×169mm(15.7×15.7×6.6)"	470×470×250mm(18.5×18.8×9.8)"	1	10.5 kg/23.1 lbs	12 kg/26.4 lbs

Technical parameter

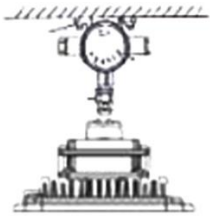
Product Model	VOC-EX-FL20/30/40	VOC-EX-FL60/80/100	VOC-EX-FL120/150/180/200
Type		LED Explosion proof Flood Light	
luminous efficiency	110~130 lm/W	110~130 lm/W	110~130 lm/W
Power(W)	20W/30W/40W	60W / 80W / 100W	120W / 150W / 180W / 200W
Voltage-Frequency		100-277Vac 50-60Hz	
Color Temp		5000K (Provides 2700K to 6500K)	
CRI(Ra)(typ.)		≥70	
Luminous Flux (lm)	2400 / 3600 / 4800	7200 / 9600 / 12000	14400/ 18000/ 21600 24000
Power Supply		Meanw II HLG Series (Meanwell XLG Series for 200v)	
Beam Angle		15°, 60°, 90°, 108°, 120°	
Power Factor		>0.95	
Rated Lifetime-L70 (hrs.)		50,000	
THD		<10%	
Operating temperature		-40°C to + 40°C	
Entry Size		M25X1.5 (Standard), M26X1.5 or NPT 3/4"-14 (Optional)	
Cable		Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)	

***Emergency optional:** Emergency power: 12W Emergency time: ≥90min Battery: Li-ion battery- 11.1V/2500mAH

Product display



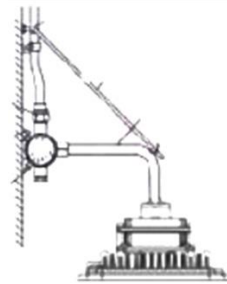
Installation method



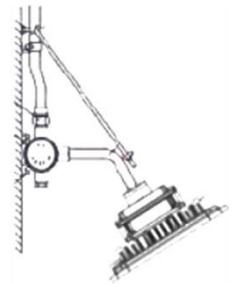
A. Ceiling mount



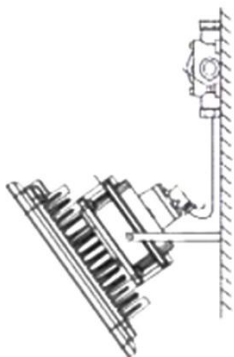
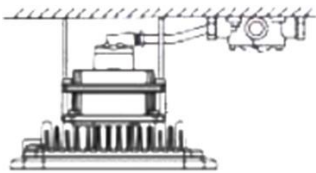
B. Drop mount



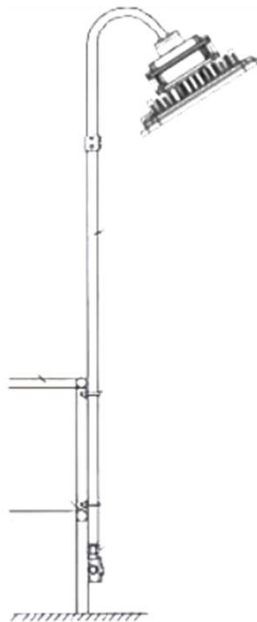
C. Wall Mount



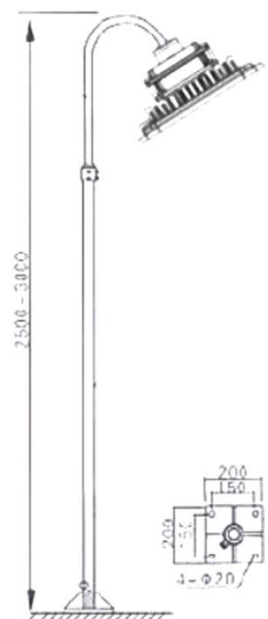
D. Wall Mount



E. U-Bracket Mounting



F. Pole Mount



G. Pole Mount