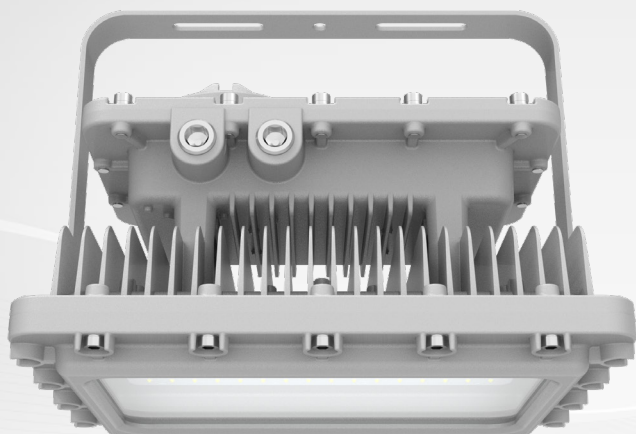
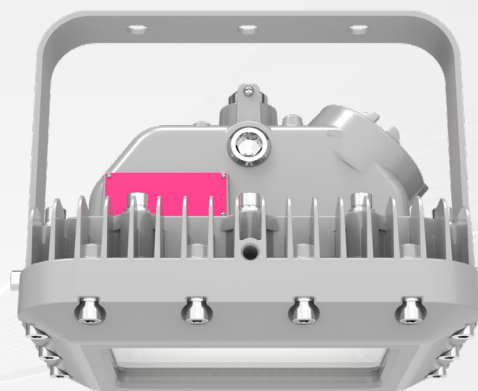


HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet



D3



D4

EX-D3D4 Spec Sheet

Constructed from heavy-duty, corrosion-resistant copper-free aluminum, Venas D3/D4 Series LED luminaire offers high-efficiency performance in harsh and hazardous environments. Suitable for areas with moisture, dust, corrosion, vibration, wind, water, snow, or elevated ambient temperatures.

Compliance

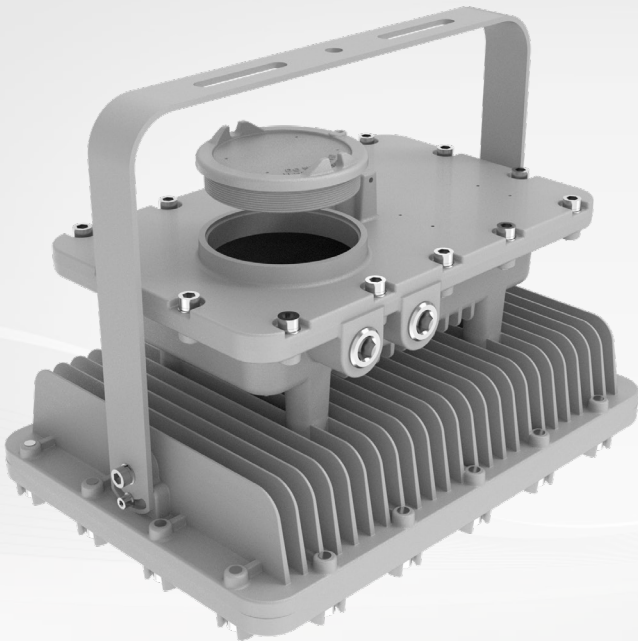
- UL 844 Hazardous Locations Class I Division 1, Group B, C and D Class I Division 2, Group A, B, C and D Class II Division 1, Group E, F and G Class II Division 2, Group F and G Class III
- DNV
- ABS
- Vibration 3G
- NEMA Type 4X
- IP66 (wet location)
- Impact Resistance (Shock): IK10

Application

- Oil and gas industry
- Metal treatment industry
- Chemical processing facility
- Power Plants
- Ocean, marine location
- Heavy industrials storage facility
- Wastewater Treatment Plants
- Food and Alcohol industry

HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet

Benefits & Features



- Round access cover for easy and convenient wiring
- Lightweight design for D3 series, compatible with movable brackets
- Dimmable configuration available
- Marine-grade powder-coated finish for enhanced corrosion protection
- High-performance SMT LEDs
- The standard configuration features three cable entry ports (with an optional five) for convenient interconnection of multiple fixtures
- Replaceable LED board and drivers

Key Features and Information

• Electrical

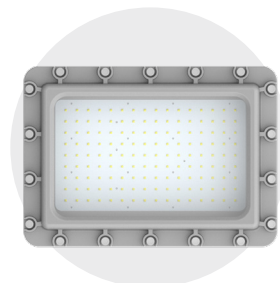
Model	EX-xxxW D3	EX-xxxW D4
Selectable Power	120W/150W/200W	60W/80W/100W
Power Model	D3: SS-200VA-56BHL for 120-277VAC; VA-240V-056B for 277-480VAC D4: XLG-100-H-AB for 120-277VAC; VA-100V-054B for 277-480VAC	
Input Voltage	120 - 277VAC/277 - 480VAC	
Input Frequency	50/60Hz	
Power Factor @120V	> 0.95	
Optional Emergency Function	Min. 90 mins (Contact sales for EM options)	
Service Life	Up to 50,000 hours	
Salt Spray	500 Hours	
Dimming	Driver includes dimming control wiring for 1-10V dimming systems. Requires separate 1-10V DC dimming circuit.	



HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet

• Optical

Model	EX-xxxW D3	EX-xxxW D4
Selectable Power	120W/150W/200W	60W/80W/100W
Lumens Per Watt	160lm/W	140lm/W
Lumen Output	19200lm-32000lm	7000lm-11200lm
Selectable CCT	4000K/5000K/6500K	
CRI	>70	
Beam Angle	120°	
LED	Long-life, high-efficacy, discrete, surface-mount 2835 LEDs 100,000-Hour LED lifespan based on IES LM-80 results and TM-21	



(Note: Refer to the table of testing data on page 4.)

• Mechanical

Model	EX-xxxW D3/D4
Housing Material	Die-cast aluminum
Lens Material	Clear Flat Glass
Hardware	Stainless steel
Gasket Material	Silicone Rubber
Protection Rating	Ingress protection: IP66 Impact protection: IK10
Mounting Options	Ceiling Mount (Included) ; Wall Mount (Included) ; Pole Mount (Purchase separately) ;
Cable Entries	3/4" NPT
Warranty	5-year limited warranty for fixture ; 3-year limited warranty for battery backup

• Ambient Temperature

Model	Input Voltage	Power Model	Temperature Class
D3	120-277VAC	SS-200VA-56BHL	T5:-40°C to +55°C (CIDI) ; T4A: -40°C to 55°C (CIDII) ; T5:-40°C to +55°C (CIIDI/CIIDII/CIIII)
	277-480VAC	VA-240V-056B	
D4	120-277VAC	XLG-100-H-AB	T5: -40°C to 50°C (CIDI) ; T5:-40°C to +50°C (CIDII) ; T5:-40°C to +40°C (CIIDI/CIIDII/CIIII)
	277-480VAC	VA-100V-054B (Single Power)	

HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet

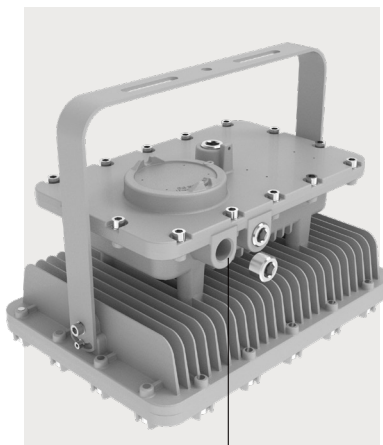
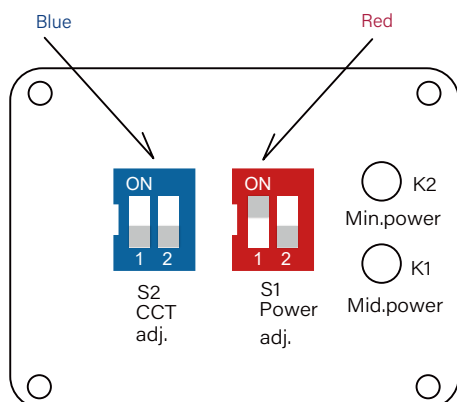
• Electrical specification (actual measurement)

Model	EX-200WD3D50D120V20T								
Test Power	200W			150W			120W		
Test CCT (K)	6500	5000	4000	6500	5000	4000	6500	5000	4000
Lumens Per Watt (lm/W)	154.11	160.04	154.86	157.87	162.27	158.11	159.51	162.89	159.78
Lumen Output (lm)	31127	31595	31383	23859	23971	23801	19177	19255	19261
Beam Angle	105.7	105.5	104.8	105.8	105.4	104.8	106	105.7	105
CCT (K)	6300	5084	4236	6284	5073	44229	6255	5067	4224
CRI	72.5	73.2	73.1	72.6	73.2	73.1	72.4	73.2	73.1
Power Factor	0.9966	0.9965	0.9966	0.9989	0.995	0.9949	0.9929	0.9927	0.9929
Test Voltage	120VAC								
Test Power Model	SS-200VA-56BHL								

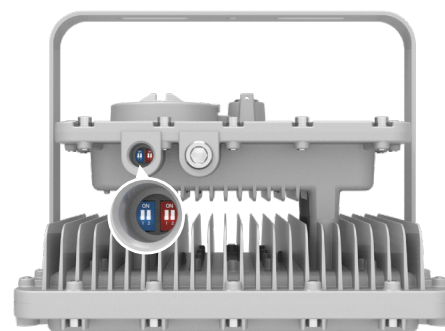
Model	EX-100WD4D50D120X10T								
Test Power	100W			80W			60W		
Test CCT (K)	6500	5000	4000	6500	5000	4000	6500	5000	4000
Lumens Per Watt (lm/W)	127.37	132.83	127.87	129.21	134.23	130.10	131.16	135.31	132.17
Lumen Output (lm)	12613	12751	12606	10267	10436	10336	7894	7985.1	7949.5
Beam Angle	96.9	96.6	96.1	96.8	96.6	96.1	96.8	96.4	96
CCT (K)	6295	5008	4127	6273	4999	4125	6253	4989	4116
CRI	72.7	73.2	72.9	72.6	73.4	72.9	72.6	73.3	72.9
Power Factor	0.9981	0.998	0.9981	0.9971	0.9969	0.997	0.9949	0.9949	0.9949
Test Voltage	120VAC								
Test Power Model	XLG-100-H-AB								

HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet

Power and CCT Selectable



Power and CCT Selectable



DIP switch

Operating Instructions

• S1 DIP switch - Red (S1 Power adj.)

The luminaire incorporates a dual-dial power configuration switch enabling three selectable output ratings. Factory default settings and power levels can be customized based on project requirements.

1. Maximum Output (100% nominal power)
Switch configuration: Dial 1 = OFF, Dial 2 = OFF;



D3: 200W

2. Medium Output (70%-90% of nominal power, depending on specification) Switch configuration: Dial 1 = ON, Dial 2 = OFF



D3: 150W

3. Minimum Output (50%-70% of nominal power, depending on specification) Switch configuration: Dial 1 = OFF, Dial 2 = ON



D3: 120W

• S2 DIP switch - Blue (S2 CCT adj.)

The luminaire incorporates a dual-dial power configuration switch enabling three preset color temperature options. The factory default setting can be customized according to order requirements.

1. Cool white, e.g. 6500K
Switch configuration: Dial 1 = OFF, Dial 2 = OFF



6500K

2. Neutral white, e.g. 5000K
Switch configuration: Dial 1 = ON, Dial 2 = OFF



5000K

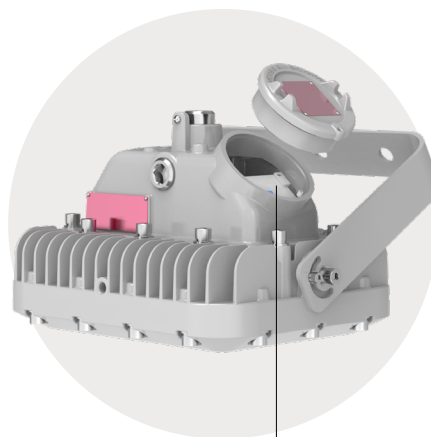
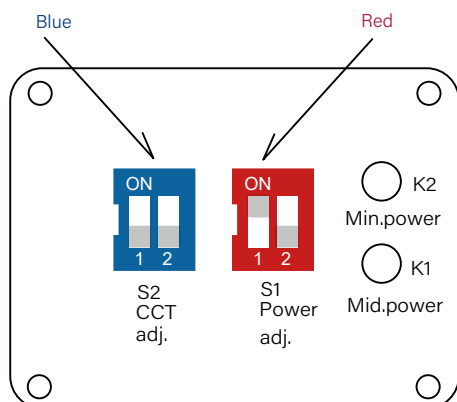
3. Warm white, e.g. 4000K
Switch configuration: Dial 1 = ON, Dial 2 = ON



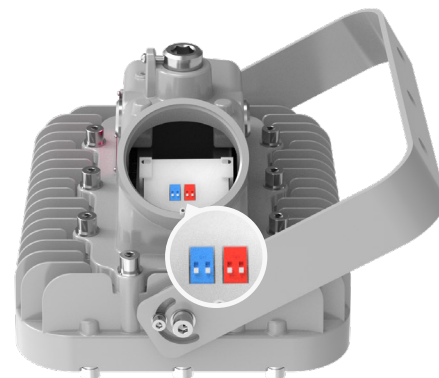
4000K

HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet

Power and CCT Selectable



Power and CCT Selectable



DIP switch

Operating Instructions

• S1 DIP switch - Red (S1 Power adj.)

The luminaire incorporates a dual-dial power configuration switch enabling three selectable output ratings. Factory default settings and power levels can be customized based on project requirements.

1. Maximum Output (100% nominal power)
Switch configuration: Dial 1 = OFF, Dial 2 = OFF;



D4: 100W

2. Medium Output (70%-90% of nominal power, depending on specification) Switch configuration: Dial 1 = ON, Dial 2 = OFF



D4: 80W

3. Minimum Output (50%-70% of nominal power, depending on specification) Switch configuration: Dial 1 = OFF, Dial 2 = ON



D4: 60W

• S2 DIP switch - Blue (S2 CCT adj.)

The luminaire incorporates a dual-dial power configuration switch enabling three preset color temperature options. The factory default setting can be customized according to order requirements.

1. Cool white, e.g. 6500K
Switch configuration: Dial 1 = OFF, Dial 2 = OFF



6500K

2. Neutral white, e.g. 5000K
Switch configuration: Dial 1 = ON, Dial 2 = OFF



5000K

3. Warm white, e.g. 4000K
Switch configuration: Dial 1 = ON, Dial 2 = ON

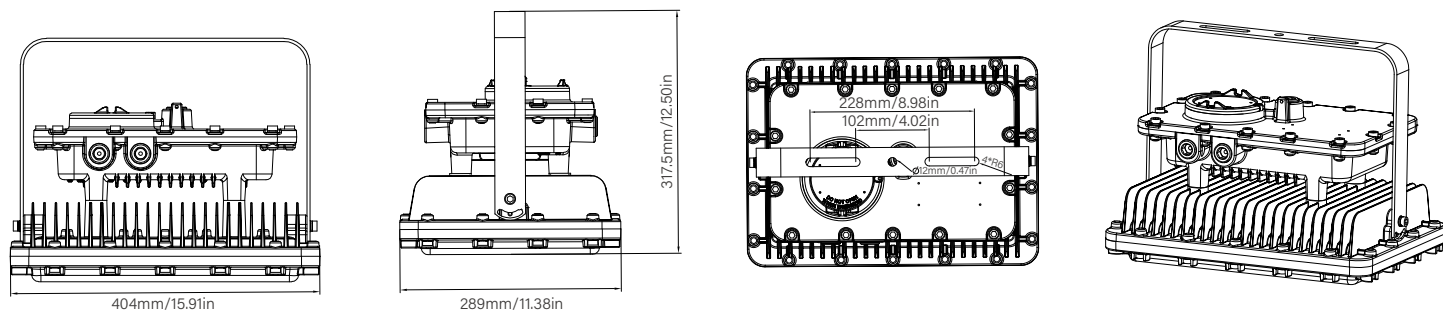


4000K

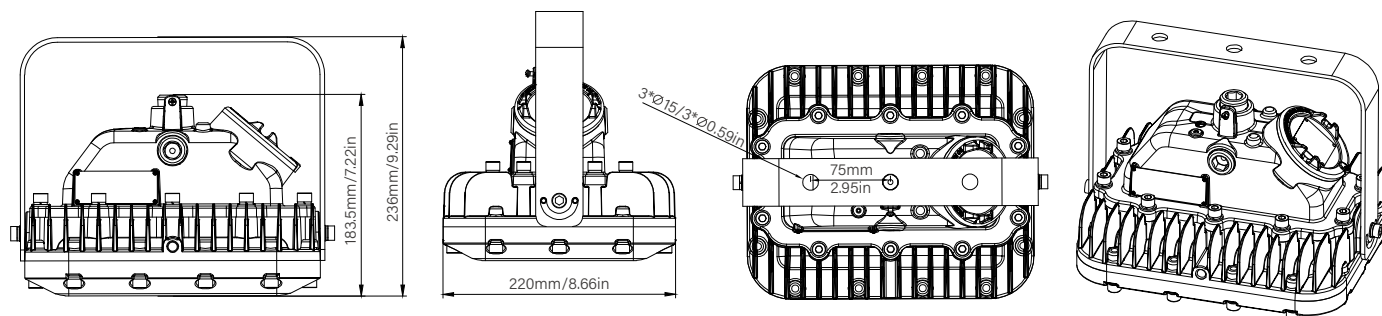
HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet

Product Dimensions Unit: mm[inch]

• D3 Series

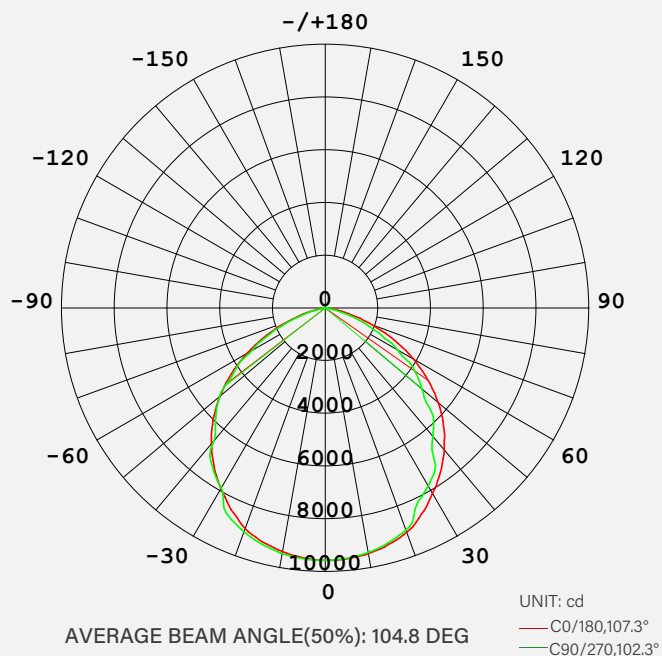


• D4 Series



Photometric

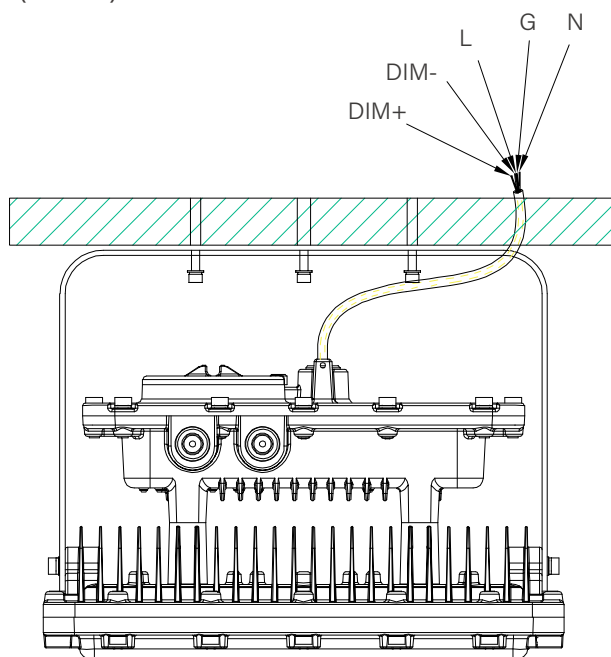
• 120 Degree



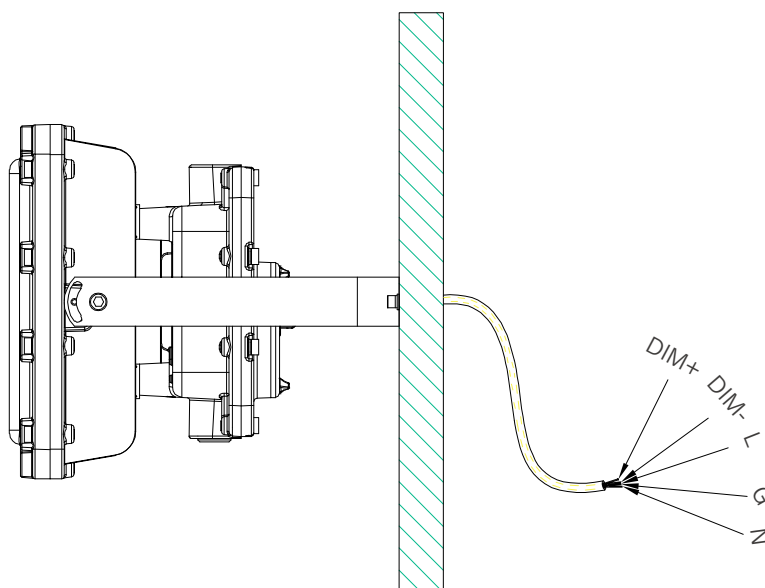
HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet

Mounting Methods

- Option 1: Ceiling Mount (Included)

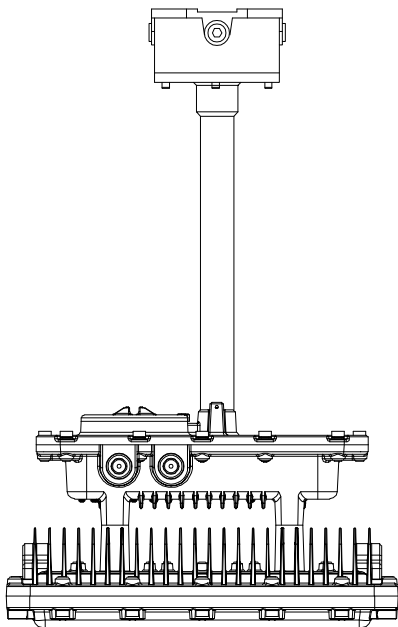


- Option 2: Wall Mount (Included)



HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet

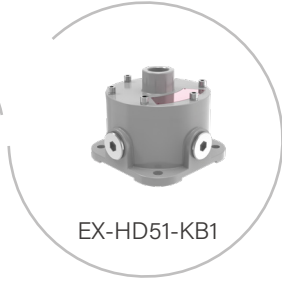
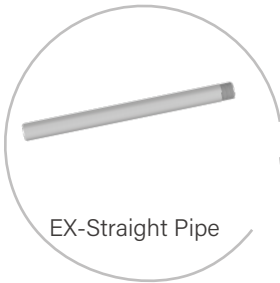
- Option 3: Pole Mount (Purchase separately)



Packing Information

Model	Net Weight	Gross Weight	Package Dimensions
D3	23kg/50.71 lb	27kg/59.52 lb	594x494x479 mm/23.39x19.45x18.86 inch
D4	9kg/19.84 lb	10kg/22.05 lb	395x335x360 mm/15.55x13.19x14.17 inch

Accessories



HAZARDOUS LOCATION LED LUMINAIRE EX-D3D4 Spec Sheet

Ordering Guide

