LEDSION

Class 1 Division 1 Hazardous LED Flood



D2



D

Date:..... Location: .....

Product:..... Project:.....

Quantity:..... Catalog# .....

FEATURES

- Class 1 Division 1 LED Flood light 0–10V dimming
- High luminous efficacy — up to 140 lumens per watt
- Battery backup function optional
- Compact and robust structure with excellent reliability
- Multiple mounting options for diverse applications
- High impact resistance, certified to IK08 / Ik10
- Copper-free aluminum housing with superior corrosion resistance and thermal performance

SUITABLE APPLICATIONS

- Power Plants
- Heavy Industrial Storage Facilities
- Paper Mills
- Wastewater Treatment Plants
- Loading Dock Platforms
- Offshore Environments
- Chemical Processing Facilities
- Petrochemical Processing Facilities
- Metallurgical Industry
- Coal Mines
- Food & Beverage Industry

CONSTRUCTION:

The C Series LED luminaires are the ideal choice for marine and hazardous applications. They are suitable for locations exposed to moisture, dirt, dust, corrosion and vibration, as well as areas subject to wind, water, snow and high ambient temperatures.

Compliance:

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

WARRANTY:

5-Year Standard Warranty
LED lumen Maintenance: L70> 150,000 Operation Hours@55°C

INSTALLATION&MOUNTING:

Wall / Square Pole Mounting. Equipped with a quick-mount back plate for easy installation.

PERFORMANCE

Model NO	Power Factor	Wattage	Voltage/CurrentInput		Light Efficiency	Kelvin Options
			120V/277V	480V		
LSEX-20W D2YZDA	0.95	20W	0.16/0.07A	0.04A	136LM/W	2700-7000K
LSEX-40W D2YZDA	0.95	40W	0.33/0.14A	0.08A	140LM/W	2700-7000K
LSEX-60W D2YZDA	0.95	60W	0.50/0.21A	0.13A	140LM/W	2700-7000K
LSEX-80W D2YZDA	0.95	80W	0.63/0.29A	0.16A	140LM/W	2700-7000K
LSEX-100W DYZDA	0.95	100W	0.83/0.36A	0.21A	140LM/W	2700-7000K
LSEX-120W DYZDA	0.95	120W	1.0/0.43A	0.25A	140LM/W	2700-7000K
LSEX-150W DYZDA	0.95	150W	1.25/0.54A	0.31A	140LM/W	2700-7000K
LSEX-200W DYZDA	0.95	200W	1.67/0.72A	0.42A	140LM/W	2700-7000K
LSEX-220W DYZDA	0.95	220W	1.83/0.79A	0.72A	130LM/W	2700-7000K

Electric Characteristic D2:

Specification/Model	LSEX-20W D2YZDA	LSEX-40W D2YZDA	LSEX-60W D2YZDA	LSEX-80W D2YZDA
Dimming	0-10Vdimming	0-10Vdimming	0-10Vdimming	0-10Vdimming
Input power	20W	40W	60W	80W
Lumens output	2720LM	5600LM	8400LM	11200LM
Efficiency	136LM/W	140LM/W	140LM/W	140LM/W
CRI	>72	>72	>72	>72
CCT	2700K-7000K	2700K-7000K	2700K-7000K	2700K-7000K
Input voltage	100-277/200-480VAC or12-48VDC	100-277/200-480VAC or12-48VDC	100-277/200-480VAC or12-48VDC	100-277/200-480VAC or12-48VDC
Light distribution type	40°/60°/90°/120	40°/60°/90°/120	40°/60°/90°/120	40°/60°/90°/120
Working temperature	-40°F to 131°F	-40°F to 131°F	-40°F to 131°F	-40°F to 131°F
Housing Material	Copper-free aluminum	Copper-free aluminum	Copper-free aluminum	Copper-free aluminum
Diffuser	Tempered glass	Tempered glass	Tempered glass	Tempered glass
Hardware	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Protection	IP66/IK08 (glass cover) Ik10 (with wire guard)	IP66/IK08 (glass cover) Ik10 (with wire guard)	IP66/IK08 (glass cover) Ik10 (with wire guard)	IP66/IK08 (glass cover) Ik10 (with wire guard)
Mounting	Ceiling, Wall, Pole	Ceiling, Wall, Pole	Ceiling, Wall, Pole	Ceiling, Wall, Pole
Cable Entry	Top: 3/4 NPT; Side: 3/4 NPT	Top: 3/4 NPT; Side: 3/4 NPT	Top: 3/4 NPT; Side: 3/4 NPT	Top: 3/4 NPT; Side: 3/4 NPT
Equivalent	20-60WMH/HPS	60-120WMH/HPS	120-180WMH/HPS	180-240WMH/HPS

D:

Specification/Model	LSEX-100W DYZDA	LSEX-120W DYZDA	LSEX-150W DYZDA	LSEX-200W DYZDA	LSEX-220W DYZDA
Dimming	0-10Vdimming	0-10Vdimming	0-10Vdimming	0-10Vdimming	0-10Vdimming
Input power	100W	120W	150W	200W	220W
Lumens output	14000LM	16800LM	21000LM	28000LM	28600LM
Efficiency	140LM/W	140LM/W	140LM/W	140LM/W	130LM/W
CRI	>72	>72	>72	>72	>72
CCT	2700K-7000K	2700K-7000K	2700K-7000K	2700K-7000K	2700K-7000K
Input voltage	100-277/200-480VAC or12-48VDC	100-277/200-480VAC or12-48VDC	100-277/200-480VAC or12-48VDC	100-277/200-480VAC or12-48VDC	100-277/200-480VAC or12-48VDC
Light distribution type	40°/60°/90°/120	40°/60°/90°/120	40°/60°/90°/120	40°/60°/90°/120	40°/60°/90°/120
Working temperature	-40°F to 131°F	-40°F to 131°F	-40°F to 131°F	-40°F to 131°F	-40°F to 131°F
Housing Material	Copper-free aluminum	Copper-free aluminum	Copper-free aluminum	Copper-free aluminum	Copper-free aluminum
Diffuser	Tempered glass	Tempered glass	Tempered glass	Tempered glass	Tempered glass
Hardware	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Protection	IP66/IK08 (glass cover) Ik10 (with wire guard)	IP66/IK08 (glass cover) Ik10 (with wire guard)	IP66/IK08 (glass cover) Ik10 (with wire guard)	IP66/IK08 (glass cover) Ik10 (with wire guard)	IP66/IK08 (glass cover) Ik10 (with wire guard)
Mounting	Ceiling, Wall, Pole	Ceiling, Wall, Pole	Ceiling, Wall, Pole	Ceiling, Wall, Pole	Ceiling, Wall, Pole
Cable Entry	Side3/4 NPT	Side3/4 NPT	Side3/4 NPT	Side3/4 NPT	Side3/4 NPT
Equivalent	200-300WMH/HPS	260-360WMH/HPS	300-450WMH/HPS	450-600WMH/HPS	500-700WMH/HPS

Class 1 Division 1 Hazardous LED Flood

PRODUCT ORDERING GUIDE

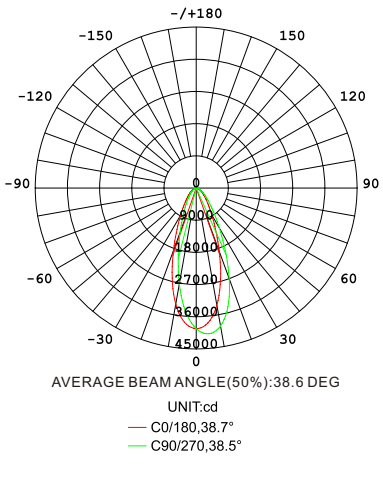
LSEX-200W DYZDA
1 2 3 4

LS EX-200W D YZDA

☑ LS	Company name
☑ EX	Hazardous Location LED Luminaire
☑ 200W	Power
☑ D	Housing size

DISTRIBUTION DIAGRAM

40 Degree



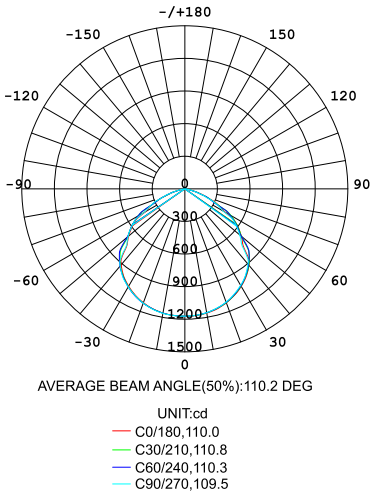
AVERAGE BEAM ANGLE(50%):38.6 DEG

UNIT:cd

C0/180,38.7°

C90/270,38.5°

120 Degree



AVERAGE BEAM ANGLE(50%):110.2 DEG

UNIT:cd

C0/180,110.0

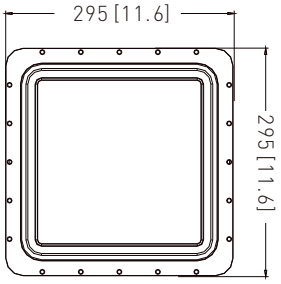
C30/210,110.8

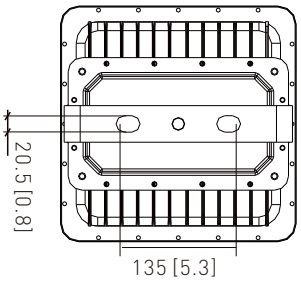
C60/240,110.3

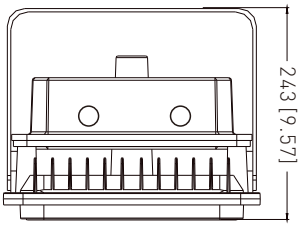
C90/270,109.5

DIMENSION Unit: mm [inch]

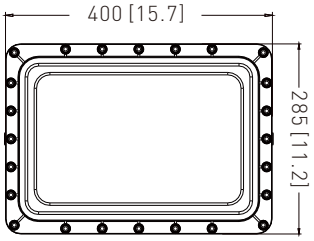
D2:20-80W

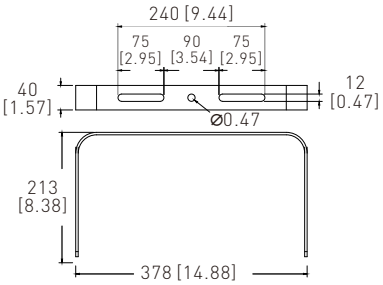


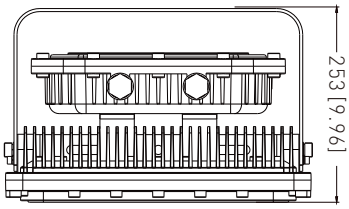




D:100-220W

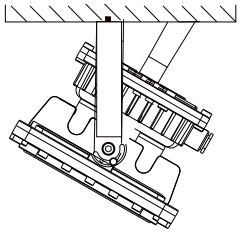






Mounting Methods and Accessories

- Option 1: Ceiling Mounting (for D2)

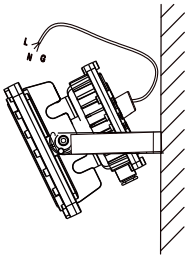


- Accessory



Bracket

- Option 2: Wall Mounting (for D2)

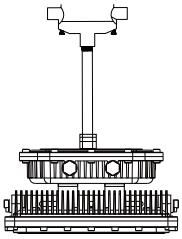


- Accessory



Bracket

- Option 3: Pole Mounting (Vertical) (for D2)



- Accessories

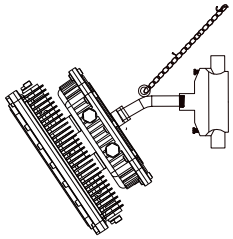


Junction Box
EX-HD51-KB1



Pole
Ex-Straight Pipe

- Option 4: Pole Mounting (Non-vertical) (for D2)



- Accessories



Junction Box
EX-HD51-KB1



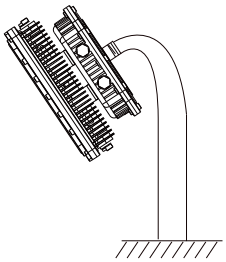
Pole
Ex-Bended Pipe



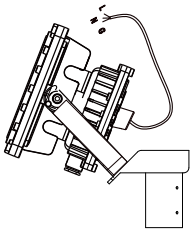
Pendant Chain
Ex-Straight Chain

Mounting Methods and Accessories

- Option 5: Pole Mounting (for D2)



- Option 6: Trunnion Mounting (for D2)

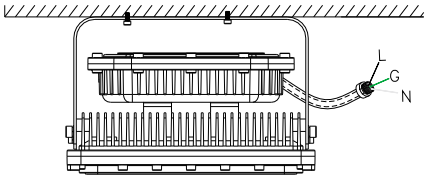


- Accessory



EX-Slip
Fitter Mounting Kit

- Ceiling Mounting (for D)



- Accessory



Bracket