LEDSION

Class 1 Division 1 Hazardous LED HIGHBAY

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

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

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



C2



C



C3

FEATURES

- Class 1 Division 1 Hazardous led, 0-10V dimming capability
- High luminous efficacy — up to 140 lumens per watt
- Battery backup function optional
- Compact and robust structure with outstanding reliability
- Multiple mounting options to suit diverse applications
- High impact resistance, certified to IK08 / Ik10
- Copper-free aluminum housing, delivering 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:

Ul844 Hazardous Locations Class I Division 1, Groups C, D
Class I Division 2, Groups A, B, C, D Class II Division 1, Groups E, F, G
Class II Division 2, Groups F, G Class III Class I Zone 1, Group IIB
Class II Zone 21, Group II , CUL1598 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:

Mounting Options
Ceiling Mounting, Wall Mounting, Hook Mounting, Pole Mounting, Trunnion Mounting

PERFORMANCE

Model NO	Power Factor	Wattage	Voltage/CurrentInput		Light Efficiency	Kelvin Options
			120V/277V	480V		
LSEX-20W C2YZDA	0.95	20W	0.17/0.07A	0.04A	140LM/W	2700-7000K
LSEX-40W C2YZDA	0.95	40W	0.33/0.14A	0.08A	140LM/W	2700-7000K
LSEX-60W C2YZDA	0.95	60W	0.50/0.21A	0.13A	140LM/W	2700-7000K
LSEX-80W C2YZDA	0.95	80W	0.66/0.29A	0.16A	140LM/W	2700-7000K
LSEX-100W CYZDA	0.95	100W	0.83/0.36A	0.21A	140LM/W	2700-7000K
LSEX-150W CYZDA	0.95	150W	1.25/0.54A	0.31A	140LM/W	2700-7000K
LSEX-200W C3YZDA	0.95	200W	1.66/0.72A	0.42A	140LM/W	2700-7000K
LSEX-250W C3YZDA	0.95	250W	2.08/0.90A	0.52A	140LM/W	2700-7000K
LSEX-280W C3YZDA	0.95	280W	2.33/1.01A	0.58A	140LM/W	2700-7000K

Electric Characteristic

Specification/Model	LSEX-20W C2YZDA	LSEX-40W C2YZDA	LSEX-60W C2YZDA	LSEX-80W C2YZDA
Dimming	0-10Vdimming	0-10Vdimming	0-10Vdimming	0-10Vdimming
Input power	20W	40W	60W	80W
Lumens output	2800LM	5600LM	8400LM	11200LM
Efficiency	140LM/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	100-277/200-480VAC	100-277/200-480VAC	100-277/200-480VAC
Light distribution type	40°/60°/90°/120	40°/60°/90°/120	40°/60°/90°/120	40°/60°/90°/120
Working temperature	-40°F to 140°F	-40°F to 140°F	-40°F to 140°F	-40°F to 140°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, Hook, Pole	Ceiling, Wall, Hook, Pole	Ceiling, Wall, Hook, Pole	Ceiling, Wall, Hook, Pole
Cable Entry	Side: 3/4" NPT (standard) Top: 3/4" NPT	Side: 3/4" NPT (standard) Top: 3/4" NPT	Side: 3/4" NPT (standard) Top: 3/4" NPT	Side: 3/4" NPT (standard) Top: 3/4" NPT
Equivalent	20-60WMH/HPS	60-120WMH/HPS	120-180WMH/HPS	180-240WMH/HPS

Specification/Model	LSEX-100W CYZDA	LSEX-150W CYZDA	LSEX-200W C3YZDA	LSEX-250W C3YZDA	LSEX-280W C3YZDA
Dimming	0-10Vdimming	0-10Vdimming	0-10Vdimming	0-10Vdimming	0-10Vdimming
Input power	100W	120W	150W	200W	280W
Lumens output	14000LM	16800LM	21000LM	28000LM	39200LM
Efficiency	140LM/W	140LM/W	140LM/W	140LM/W	140LM/W
CRI	>72	>72	>72	>72	>72
CCT	2700K-7000K	2700K-7000K	2700K-7000K	2700K-7000K	2700K-7000K
Input voltage	100-277/200-480VAC	100-277/200-480VAC	100-277/200-480VAC	100-277/200-480VAC	100-277/200-480VAC
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 140°F	-40°F to 140°F	-40°F to 140°F	-40°F to 140°F	-40°F to 140°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, Hook, Pole	Ceiling, Wall, Hook, Pole	Ceiling, Wall, Hook, Pole	Ceiling, Wall, Hook, Pole	Ceiling, Wall, Hook, Pole
Cable Entry	Side: 3/4" NPT (standard) Top: 3/4" NPT	Side: 3/4" NPT (standard) Top: 3/4" NPT	Side: 3/4" NPT (standard) Top: 3/4" NPT	Side: 3/4" NPT (standard) Top: 3/4" NPT	Side: 3/4" NPT (standard) Top: 3/4" NPT
Equivalent	200-300WMH/HPS	300-450WMH/HPS	400-600WMH/HPS	500-750WMH/HPS	560-900WMH/HPS

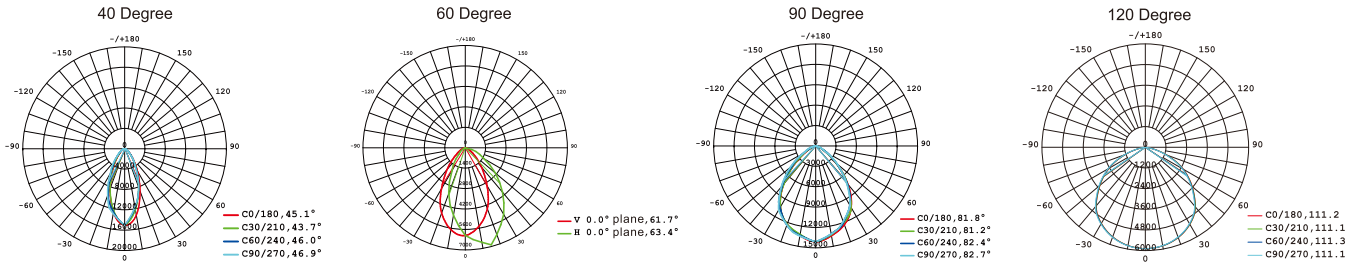
PRODUCT ORDERING GUIDE

LSEX-20W C2YZDA
1 2 3 4

LS EX- 20W C2 YZDA

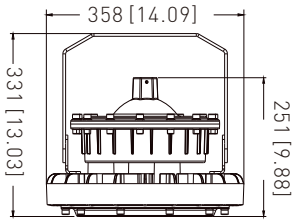
☑ LS	Company name	☑ EX	Hazardous Location LED Luminaire
☑ 20W	Power	☑ C2	Housing size

DISTRIBUTION DIAGRAM

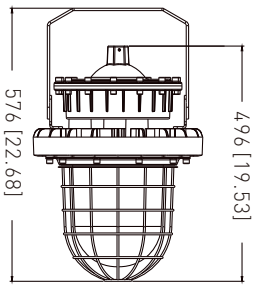


DIMENSION Unit: mm [inch]

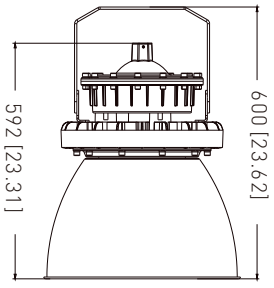
C2:



Flat glass

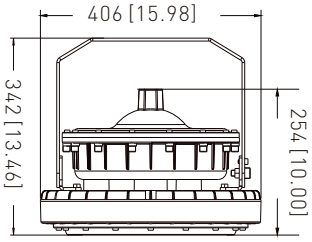


with drop lens and wire guard

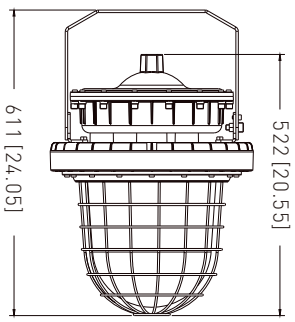


with lamp shade

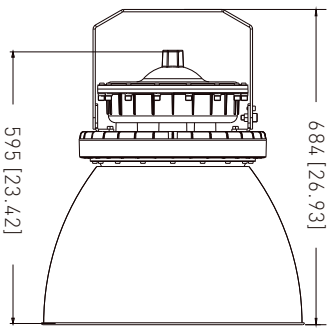
C



Flat glass



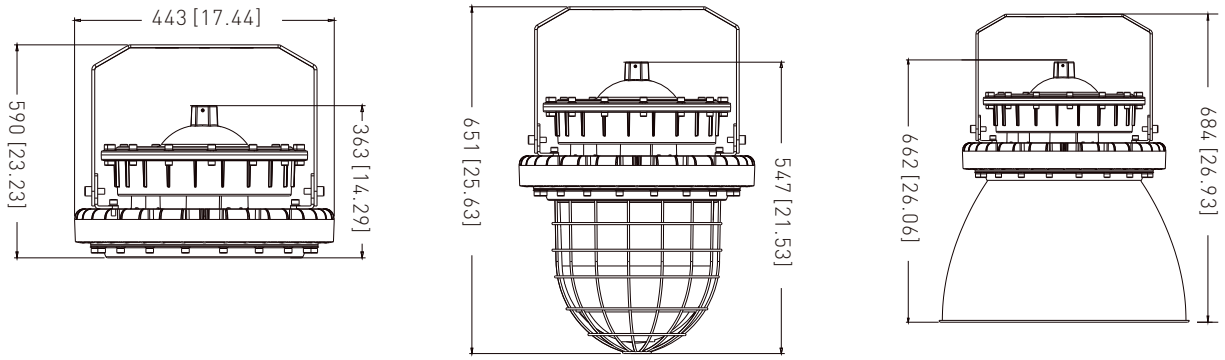
with drop lens and wire guard



with lamp shade

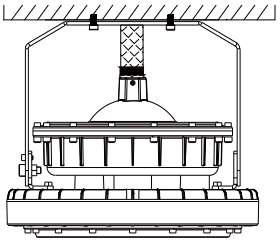
LIGHTING

C



Mounting Methods and Accessories

● Option 1: Ceiling Mounting



● Accessory

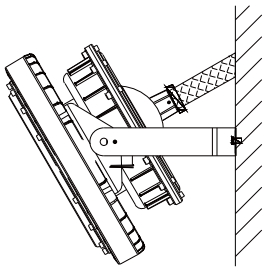


Bracket



Metal Conduit
EX-NG

● Option 2: Wall Mounting



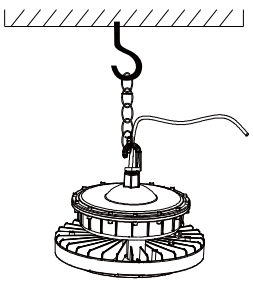
● Accessory



Bracket

Metal Conduit
EX-NG

● Option 3: Hook Pendant Mounting



● Accessories

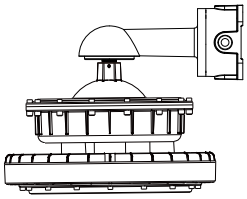


Hook
Ex-Hook

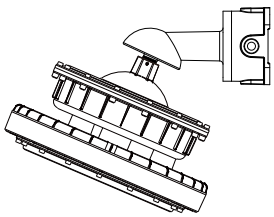


Pendant Chain
Ex-Straight Chain

● Option 4: Wall Mounting with Junction Box



90 Degree



25 Degree

● Accessory

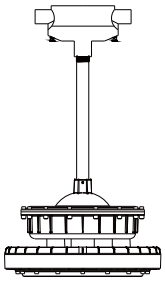


Stanchion Arm
EX-HD51-KYD 90



Stanchion Arm
EX-HD51-KYD 25

● Option 5: Pole Mounting (Vertical)



● Accessory

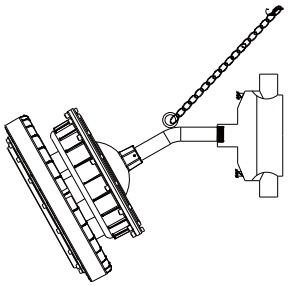


Junction Box
EX-HD51-KB1



Pole
Ex-Straight Pipe

● Option 6: Pole Mounting (Non-vertical)



● Accessory



Junction Box
EX-HD51-KB1

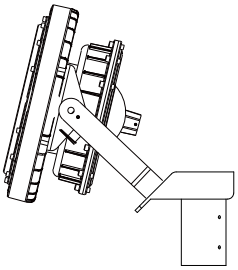


Pole
Ex-Bended Pipe



Pendant Chain
Ex-Straight Chain

● Option 7:Trunnion Mounting (Only for C2)



● Accessory



EX-Slip
Fitter Mounting Kit