



CES-EX-LN-02 Series LED Explosion proof Linear Light

CESP

hazardous locations



- Available from 40W (4,800lm) - 150W (18,000lm)
- Offered with 3 mounting options: U-bracket, Ceiling Mount, Wall mounting
- 1-10V Dimming is available(dimming and non-dimming optional)
- Motion sensor, photocell and Controller options are available
- 50,000+ hours LED lifespan



CESP's warranty is subject to all terms and conditions found at cespledex.com/warranty.

- **IP66, Damp and Wet Locations;**

- **UL 844, UL1598, UL8750, CSA C22.2 No.137;**

UL Marking: Class I, Division 2, Groups A, B, C and D;

Class II, Division 2, Groups F and G;

Class III;

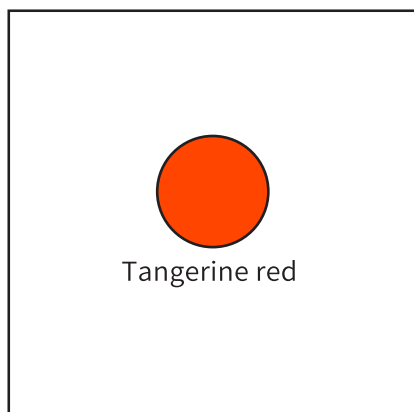
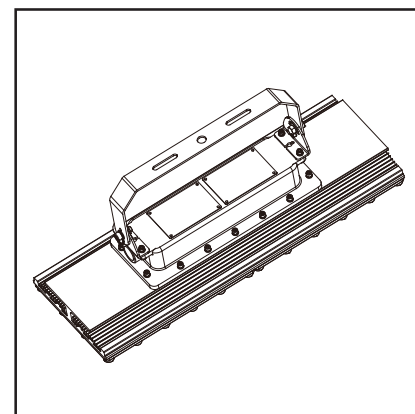
- **IEC/EN 60079-0, 7, 28, 31;**

Ex Mark: II 3G Ex ec op is IIC T* Gc

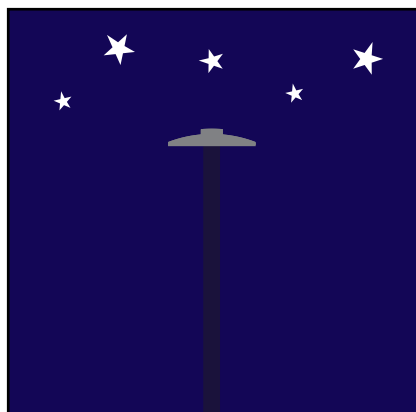
II 3D Ex tc op is IIIC T* Dc



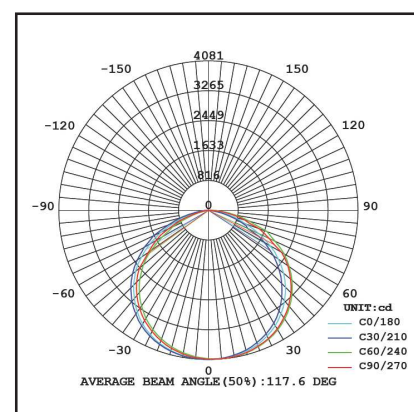
Standard product picture



Tangerine red



The CESP is a complete cutoff, fully shielded area light that minimizes glare, while reducing light trespass. (The maximum luminous beam angle 120°)



Specifications

UL, ATEX & IECEx:

Suitable for wet locations

Operating temperature: -40°C to +50°C (-40°F to 122°F)

LEDs:

Long-life, high-efficiency, surface mount LEDs

Drivers(s):

Class 2, 50/60Hz. 100 - 277V, 4kV standard, 6kV optional surge protection

Lifespan:

50,000+ hours LED lifespan based on IES LM-80 results & TM-21 calculations at 25°C, and ERP>6000h

IP Rating:

IEC60598 Ingress Protection rating of NEMA 4/4X (IP66) for dust and water

Housing:

Die-cast aluminum housing

Mounting:

U-Bracket, Ceiling Mount, Wall mounting

Lens:

High transmittance tempered glass

Effective Projected Area:

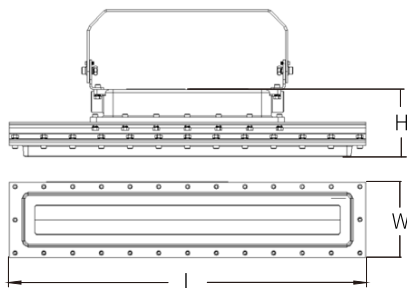
EPA = 0.61

Vibration Rating:

3G vibration tested per ANSI C136.31 and IEC60598

Dimming Driver:

Driver includes dimming control wiring for 1-10V dimming systems. Requires separate 1-10V DC dimming circuit. Dims as low as 10%. (Optional dimming and non-dimming)



CES-EX-LN-02(40~60W)

CCT:

Available in 3000K, 4000K, 6500K color temperature

CRI:

CRI ≥ 70

Beam angle:

Standard distribution is NEMA high/low bay lights (Type5)

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-years period

Color Uniformity:

CESP's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Finish:

Formulated for high durability and long-lasting color

Green Technology:

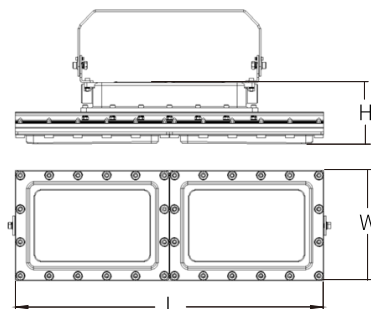
Mercury and UV free. RoHS-compliant components

IESNA LM-79 Testing:

CESP LED luminaires have been tested by an independent laboratory in accordance with IESNALM-79 and IEC60598

Product size:

Series models	Size(L*W*H)
CES-EX-LN-02-40~60XXXX	596*126*114mm(23.5*5*4.5")
CES-EX-LN-02-80~150XXXX	566*202*112mm(21.9*8*4.4")



CES-EX-LN-02(80~150W)

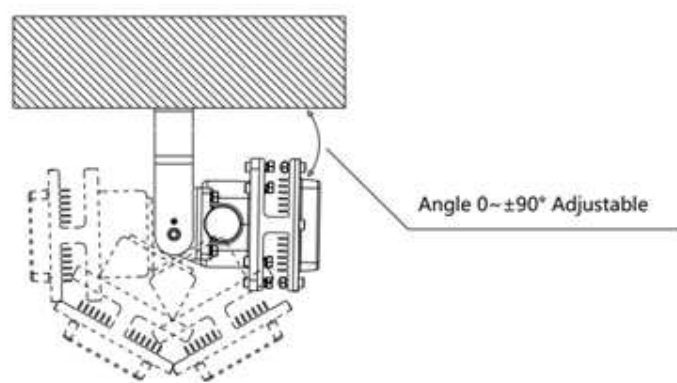
Performance and Packaging

Performance		
Product Model	CES-EX-LN-02-40~60XXXX Series	CES-EX-LN-02-80~150XXXX Series
Type	LED Explosion proof Linear Light	LED Explosion proof Linear Light
Mounting	U-bracket/Ceiling Mount /Wall mounting	U-bracket/Ceiling Mount /Wall mounting
Power (W)	40/50/60	80/100/120/150
Voltage - Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 2700K to 6500K)	5000K (Provides 2700K to 6500K)
CRI (Ra) (typ.)	≥70	≥70
Luminous Flux (lm)	120lm/W	120lm/W
Bare Lamp efficacy (LPW)	120	120
Beam Angle	120°	120°
Power Factor	>0.95	>0.95
Rated Lifetime - L70 (hrs.)	50,000	50,000
Product Size	596*126*114mm(23.5*5*4.5")	566*202*112mm(21.9*8*4.4")
Housing	ADC12 and 6063 Aluminum+Tempered glass	ADC12 and 6063 Aluminum+Tempered glass

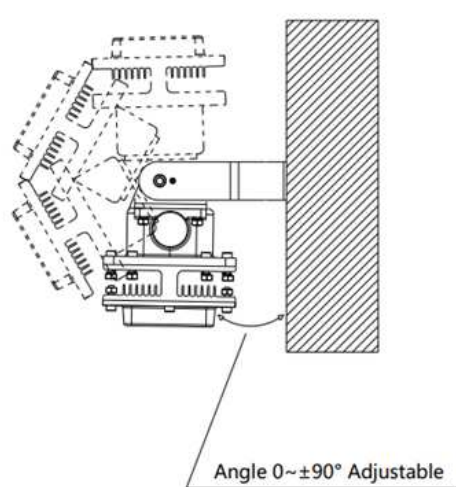
This Product is Packed With U-type bracket as Standard Package.

Product Model	Product Size	Carton Size	QTY/CTN	Net Weight	Gross Weight
CES-EX-LN-02-40XXXX	596*126*114mm(23.5*5*4.5")	To be confirmed	1	6	To be confirmed
CES-EX-LN-02-50XXXX	596*126*114mm(23.5*5*4.5")	To be confirmed	1	6	To be confirmed
CES-EX-LN-02-60XXXX	596*126*114mm(23.5*5*4.5")	To be confirmed	1	6	To be confirmed
CES-EX-LN-02-80XXXX	566*202*112mm(21.9*8*4.4")	To be confirmed	1	11	To be confirmed
CES-EX-LN-02-100XXXX	566*202*112mm(21.9*8*4.4")	To be confirmed	1	11	To be confirmed
CES-EX-LN-02-120XXXX	566*202*112mm(21.9*8*4.4")	To be confirmed	1	11	To be confirmed
CES-EX-LN-02-150XXXX	566*202*112mm(21.9*8*4.4")	To be confirmed	1	11	To be confirmed

Mounting:



Ceiling Mount



Wall mounting