CES-EX-LN-02N Series LED Luminaires

CESP
Hazardous Locations

UL HazLoc

Applications:

Wastewater treatment, oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, tunnels, outdoor wall and stanchion mounted general area lighting, and where flammable vapors, gases are present.

- Available from 24W (≥2,880lm) - 50W (≥6,000lm);
- Offered with 2 mounting options: Ceiling Mount, Wall mounting;
- Wide optics for uniform illumination;
- Entry Size: 3/4"-14 NPT or M25 X1.5 or M26 X1.5;
- 50,000+ hours LED lifespan;

- **Class I, Division 2, Groups A, B, C and D;**
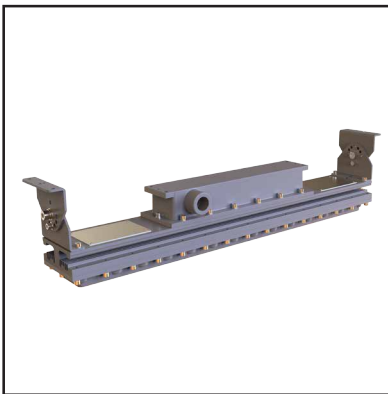- **Damp and wet locations;**

Standard :

US: UL 844; UL 1598;

Canada: CSA C22.2 No. 137; CSA C22.2 No. 250.0;
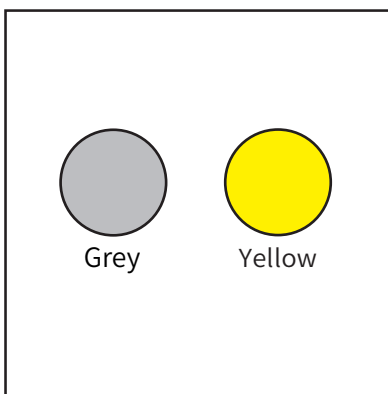
Standard product picture
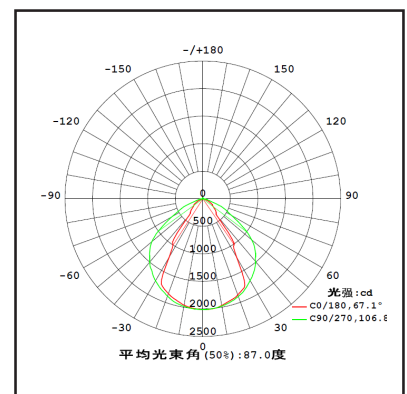

CES-EX-LN-02N-(20B~36B)

CES-EX-LN-02N-(30A~50A)

Grey   Yellow

Yellow/grey available
(grey has no texture)

The CESP is a complete cutoff, fully shielded area light that minimizes glare, while reducing light trespass. (The maximum luminous beam angle 90°)

Photometric Data (90°)

Specifications

UL:
Suitable for wet locations
Operating temperature: -40°C to +55°C (-40°F to 131°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 IP66 for dust and water

Housing:
Die-cast aluminum housing

Mounting:
Ceiling Mount, Wall mounting

Lens:
High transmittance tempered glass

Effective Projected Area:
EPA = 0.61

CCT:
Available in 3000K-6500K color temperature

CRI:
CRI ≥70

Beam angle:
The maximum luminous beam angle 90°

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, ERP C78.377-2017.

Finish:
Formulated for high durability and long-lasting color
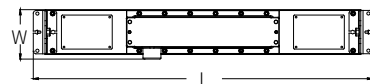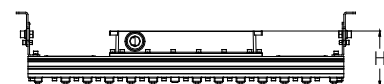
Green Technology:
Mercury and UV free. RoHS-compliant components

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-02N-50A	1289×97×109mm/50.7×3.8×4.3"
CES-EX-LN-02N-40A	1289×97×109mm/50.7×3.8×4.3"
CES-EX-LN-02N-36A	1289×97×109mm/50.7×3.8×4.3"
CES-EX-LN-02N-30A	1289×97×109mm/50.7×3.8×4.3"
CES-EX-LN-02N-36B	666×97×109 mm/26.2×3.8×4.3"
CES-EX-LN-02N-30B	666×97×109 mm/26.2×3.8×4.3"
CES-EX-LN-02N-20B	666×97×109 mm/26.2×3.8×4.3"

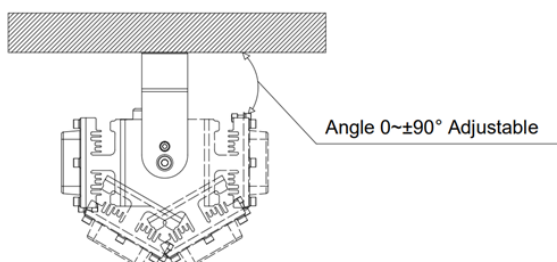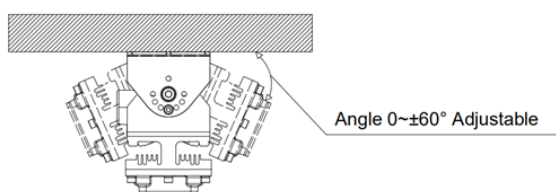CES-EX-LN-02N-(36B~20B)

CES-EX-LN-02N-(30A~50A)

Performance and Packaging

Performance

ProductModel	CES-EX-LN-02N-(30A~50A)	CES-EX-LN-02N-(20B~36B)
Type	LED Explosion proof Linear Light	LED Explosion proof Linear Light
Mounting	Ceiling Mount / Wall mounting	Ceiling Mount / Wall mounting
Power (W)	30W / 36W / 40W / 50W	24W / 30W / 36W
Voltage - Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz
CCT	Provides 3000K to 6500K	Provides 3000K to 6500K
CRI (Ra) (typ.)	≥70	≥70
Luminous Flux (lm)	120~140lm/W	120~140lm/W
Bare Lamp efficacy (LPW)	140	140
Beam Angle	90°	90°
Power Factor	>0.95	>0.95
Rated Lifetime - L70 (hrs.)	50,000	50,000
Product Size (L×W×H)	1289×97×109mm/50.7×3.8×4.3"	666×97×109 mm/26.2×3.8×4.3"
Housing	ADC12 and 6063 Aluminum+Tempered glass	ADC12 and 6063 Aluminum+Tempered glass

Packaging

Product Model	Product Size (L×W×H)	Carton Size	QTY/CTN	Net Weight	Gross Weight
CES-EX-LN-02N-50A	1289×97×109mm/50.7×3.8×4.3"	To be comfirmed	1	10 kg/22 lbs	To be comfirmed
CES-EX-LN-02N-40A	1289×97×109mm/50.7×3.8×4.3"	To be comfirmed	1	10 kg/22 lbs	To be comfirmed
CES-EX-LN-02N-36A	1289×97×109mm/50.7×3.8×4.3"	To be comfirmed	1	10 kg/22 lbs	To be comfirmed
CES-EX-LN-02N-30A	1289×97×109mm/50.7×3.8×4.3"	To be comfirmed	1	10 kg/22 lbs	To be comfirmed
CES-EX-LN-02N-36B	666×97×109 mm/26.2×3.8×4.3"	To be comfirmed	1	5.5 kg/12.1 lbs	To be comfirmed
CES-EX-LN-02N-30B	666×97×109 mm/26.2×3.8×4.3"	To be comfirmed	1	5.5 kg/12.1 lbs	To be comfirmed
CES-EX-LN-02N-20B	666×97×109 mm/26.2×3.8×4.3"	To be comfirmed	1	5.5 kg/12.1 lbs	To be comfirmed

Ceiling mount

Angle 0~±60° Adjustable

Angle 0~±90° Adjustable

Wall mounting

Angle 0~±60° Adjustable

Angle 0~±90° Adjustable