

EXPLOSION-PROOF LED LINEAR LIGHT

(REPLACEMENT FOR TRADITIONAL
EXPLOSION-PROOF FLUORESCENT LIGHT)

CES-EX-LN-02P Series

ATEX and IECEx certified for reliable lighting in Zone 1, 21,
2, and 22 hazardous locations.



**Engineered for Extremes.
Trusted for Safety.**



EXPLOSION-PROOF LED LINEAR LIGHT

(REPLACEMENT FOR TRADITIONAL EXPLOSION-PROOF
FLUORESCENT LIGHT)

CES-EX-LN-02P Series



QUALIFICATION CERTIFICATES

ATEX:

- Ex II 2 G Ex eb mb IIC T5 Gb;
- Ex II 2 D Ex tb IIIC T75°C Db;
- IP66;
- Certificate No.: SEV 21 ATEX 0578 X

IECEX:

- Ex eb mb IIC T5 Gb;
- Ex tb IIIC T75°C Db;
- IP66;
- Certificate No.: IECEX SEV 21.0038X



(Please see the
specification of UL
HazLoc version)

CES-EX-LN-02P Series

Explosion-Proof LED Linear Light (Replacement for Traditional Explosion-Proof Fluorescent Light)

SCOPE OF APPLICATION

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food factories, pharmaceutical plants, beverage processing plants, and locations with the presence of flammable vapors, gases, combustible dust, fibers, or fumes.

PRODUCT DESCRIPTION

The CES-EX-LN-02P is a ATEX IECEx Zone 1&21, Zone 2&22 explosion-proof LED linear fixture that replaces the traditional explosion-proof fluorescent lamp and explosion-proof triple proof lamp. High lumen, low power consumption, energy saving. High strength aluminum alloy enclosure, resistant to shock and vibration. High transparent PC cover reduces direct visual contact with the light source. Can use for marine environment.

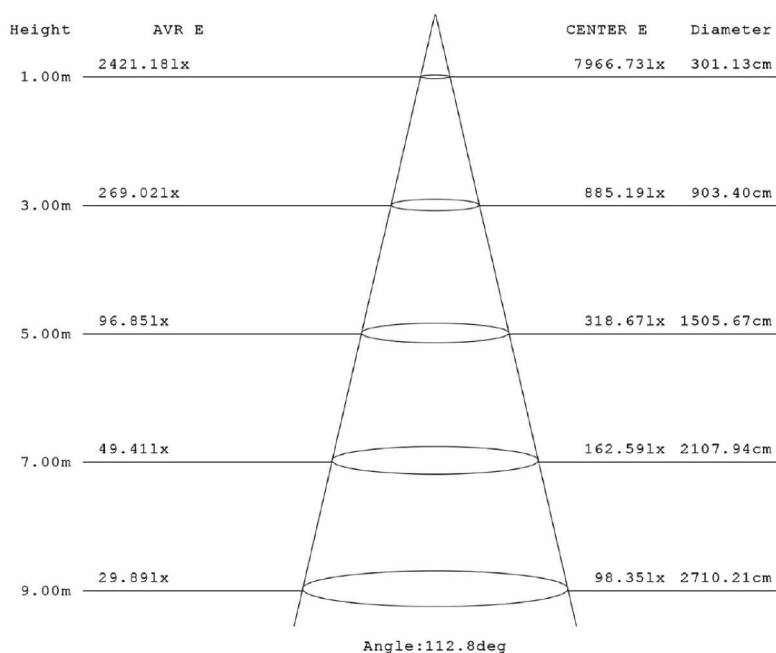
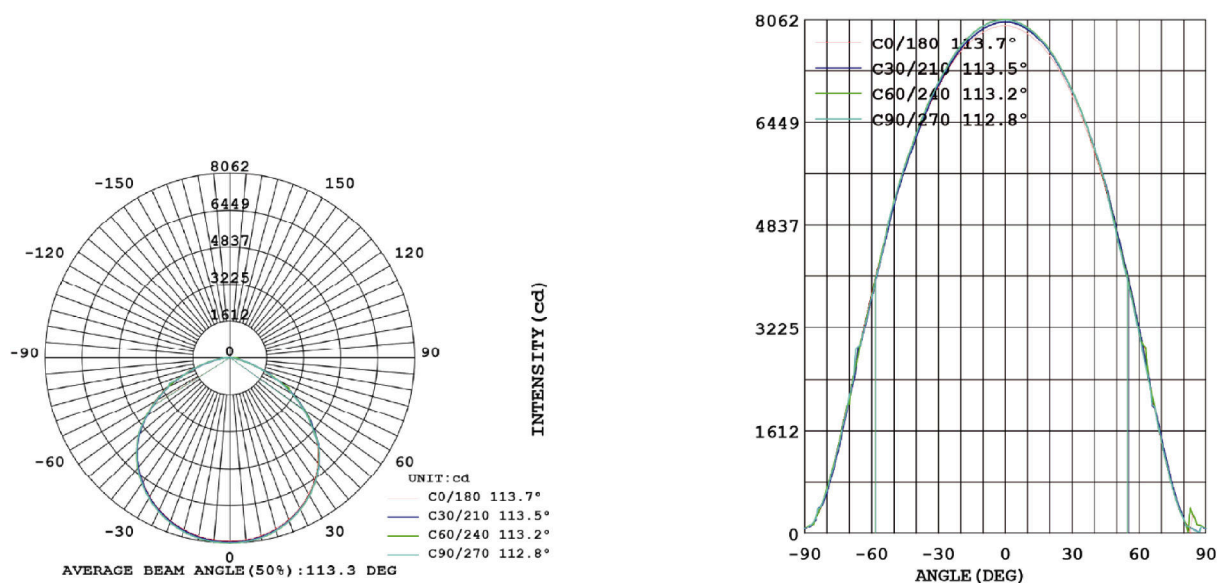
PRODUCT FEATURES

- Aluminum alloy housing maximizes optimal heat transfer.
- PC casing with excellent corrosion resistance, impact resistance, vibration resistance, and light transmittance >90%.
- Perfectly replaces the traditional explosion-proof fluorescent tube shape.
- LED: 3030 LEDs, LM80 certified.
- High-efficiency LED driver with a lifespan of over 50,000 hours.
- Circuit design: 4KV/6KV surge protection.
- Protection: IP66, high-level waterproof and dustproof protection.

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Explosion-Proof LED Linear Light (Replacement for Traditional Explosion-Proof Fluorescent Light)

LIGHTING DISTRIBUTION



CES-EX-LN-02P Series

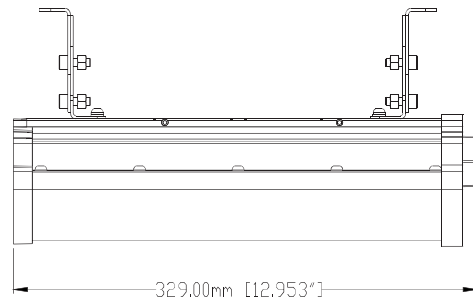
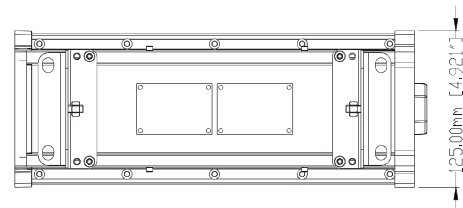
Explosion-Proof LED Linear Light (Replacement for Traditional Explosion-Proof Fluorescent Light)

CES-EX-LN-02P-20A/30AXXX

Unit: mm

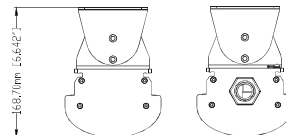
OVERALL DIMENSIONS

Product Size(mm)	329mm×125mm×168.7mm
Carton Size(mm)	480mm×185mm×145mm
QTY/CTN	1
Net Weight	—
Gross Weight	—



TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	140 lm/W
Power (W)	20W/30W
Voltage - Frequency	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	120°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +50°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)



***Emergency optional:** Emergency power: 12W
Emergency time: ≥90min Battery: Li-ion battery- 11.1V/2500mAH

Note: This product is sold without mounting bracket. The bracket shown in the drawings is for display purposes only and must be purchased separately.

CES-EX-LN-02P Series

Explosion-Proof LED Linear Light (Replacement for Traditional Explosion-Proof Fluorescent Light)

CES-EX-LN-02P-20B/30B/
40B/50BXXXX

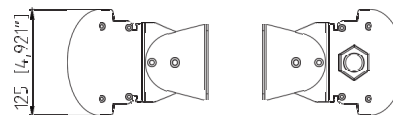
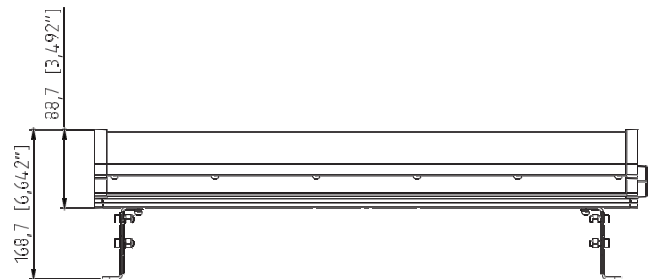
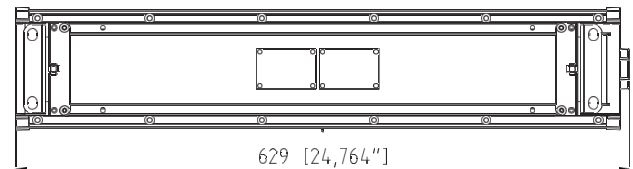
Unit: mm

OVERALL DIMENSIONS

Product Size(mm)	629mm×125mm×168.7mm
Carton Size(mm)	780mm×185mm×145mm
QTY/CTN	1
Net Weight	4.6kg
Gross Weight	5.1kg

TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	140 lm/W
Power (W)	20W/30W/40W/50W
Voltage - Frequency	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	120°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +50°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)



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CES-EX-LN-02P Series

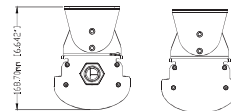
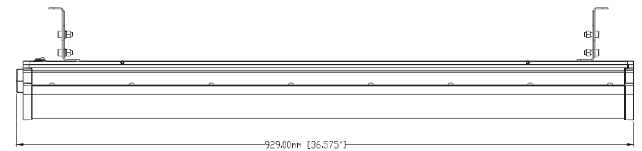
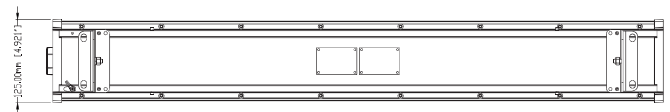
Explosion-Proof LED Linear Light (Replacement for Traditional Explosion-Proof Fluorescent Light)

CES-EX-LN-02P-40C/50C/
60C/70CXXX

Unit: mm

OVERALL DIMENSIONS

Product Size(mm)	929mm×125mm×168.7mm
Carton Size(mm)	1080mm×185mm×145mm
QTY/CTN	1
Net Weight	—
Gross Weight	—



TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	140 lm/W
Power (W)	40W/50W/60W/70W
Voltage - Frequency	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	120°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +50°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)



***Emergency optional:** Emergency power: 12W
Emergency time: ≥90min Battery: Li-ion battery- 11.1V/2500mAH

Note: This product is sold without mounting bracket. The bracket shown in the drawings is for display purposes only and must be purchased separately.

CES-EX-LN-02P Series

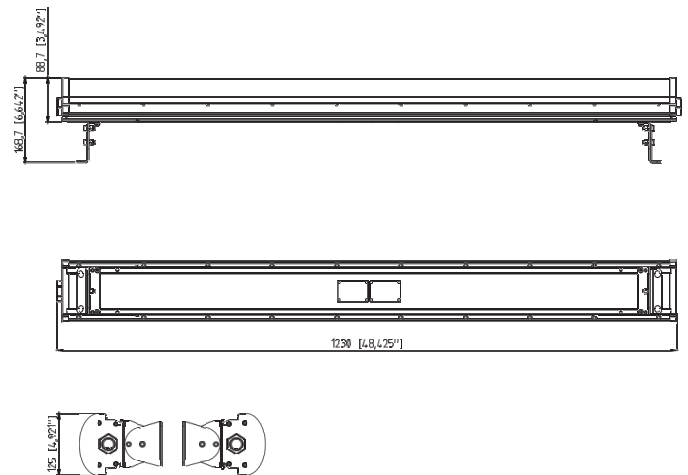
Explosion-Proof LED Linear Light (Replacement for Traditional Explosion-Proof Fluorescent Light)

CES-EX-LN-02P-40D/50D/60D/
70D/80D/100DXXXX

Unit: mm

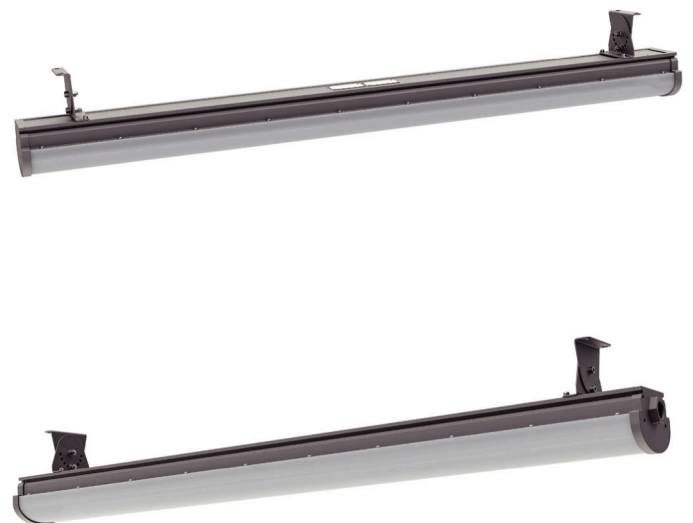
OVERALL DIMENSIONS

Product Size(mm)	1230mm×125mm×168.7mm
Carton Size(mm)	1380mm×185mm×145mm
QTY/CTN	1
Net Weight	7.7kg
Gross Weight	8.5kg



TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	140 lm/W
Power (W)	40W/50W/60W/70W/80W/100W
Voltage - Frequency	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	120°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +50°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)



***Emergency optional:** Emergency power: 12W
Emergency time: ≥90min Battery: Li-ion battery- 11.1V/2500mAH

Note: This product is sold without mounting bracket. The bracket shown in the drawings is for display purposes only and must be purchased separately.

CES-EX-LN-02P Series**Explosion-Proof LED Linear Light** (Replacement for Traditional Explosion-Proof Fluorescent Light)**DIRECTLY AVAILABLE WITH MULTIPLE INSTALLATION OPTIONS**

- Adjustable Angle suction roof installation (also known as: wall installation, hoisting)

**Lifting brackets**

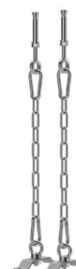
- Simple suction top installation (also known as: wall installation, hoisting)

**Ceiling brackets**

- Column installation (also known as: pole mounting)

**Pole-mounted brackets**

- Chain installation (also known as: hoisting)

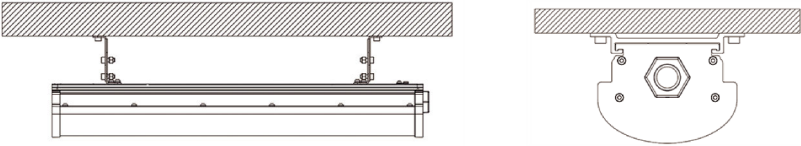
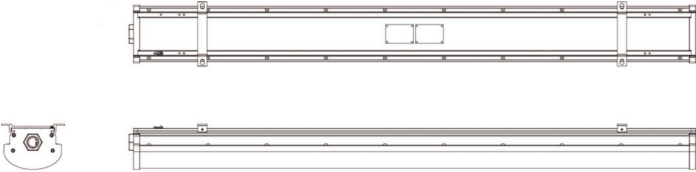
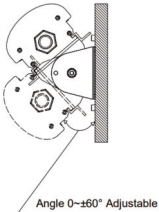
**Chain-hung bracket**

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INSTALLATION METHOD

A.Ceiling mounting	
B.Pendant mounting	
C.Pendant chain mounting	
D.Wall mounting	
E.Pole Mounting	