



### CESPEX Lighting Co.,Ltd

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Factory Addr.: CESP Industrial Park, No.280, Tangxia Rd., Tangxia District, Dongguan, China

2024

# TOP EXPLOSION-PROOF LIGHTING MANUFACTURER IN THE WORLD

Where there is an explosive environment there are CESPEX lights





CESP Group was established in 2007 with a registered capital of 50 million RMB. It is the top OEM & ODM supplier of explosion-proof lighting solutions in China and the first company in China to be certified by UL & CUL for hazardous location LED lighting fixtures. In December 2020, CSA Group issued the UL844 and CSA 137 standard explosion-proof certificate (Division 1) for the CES-SC series, the world's first Class 1 Division 1 explosion-proof LED portable lamp.



www.cesp-industrial.com



Dongguan production facility

The company has an office area of 2,000 square meters, a production plant of 18,036 square meters, and more than 100 employees. Our R&D center has more than 20 senior R&D engineers, including professional explosion-proof structural engineers, explosionproof electrical engineers, software engineers, optical design engineers, and international explosion-proof certification engineers. We also have an international ULauthorized witness laboratory.

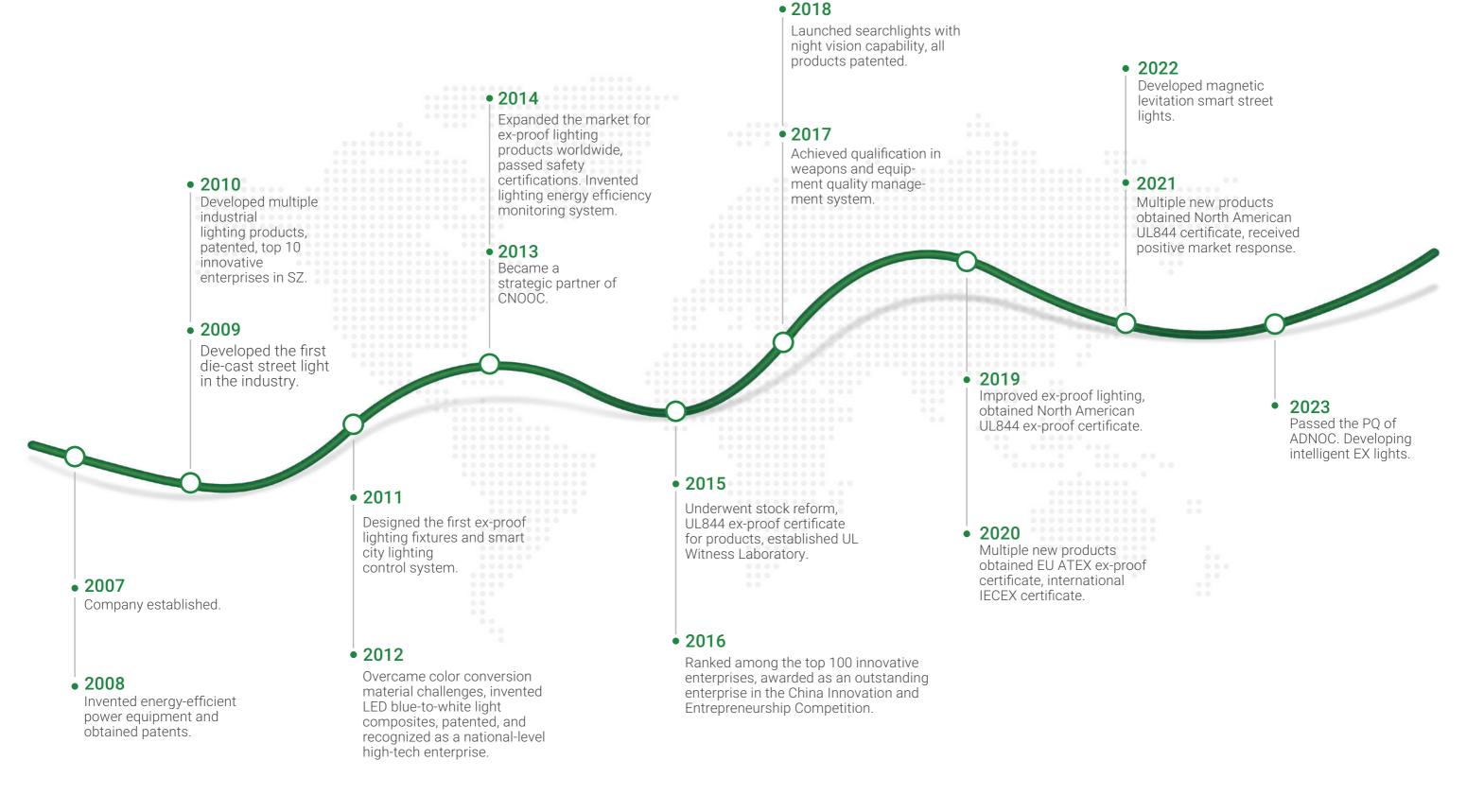
We specialize in the development and production of explosion-proof electrical appliances, explosion-proof LED fixtures, explosion-proof anti-corrosion devices, explosion-proof pipe fittings, explosion-proof plug sockets, explosion-proof emergency lighting, explosion-proof exit signs, explosion-proof mobile work lights, explosion-proof switches, and other related products. Our products are designed in strict accordance with the standards of U.S. UL Explosion-proof Certification, Canada CSA Explosion-proof Certification, EU ATEX Certification, International IECEx Explosion-proof Certification, and China GB 3836 Explosion-proof Certification, and have obtained the relevant explosion-proof certificates.

We have worked closely with internationally renowned companies such as Eaton, Emerson, Larson & Petrel, Beghelli, Dialight, and NOV. Our projects span many countries around the world, including the US Navy aircraft carriers, Canadian oil fields, Qatari oil fields, Shell oil stations, CNPC, Sinopec, CNOOC and ADNOC. We have provided explosion-proof lighting products for numerous gas stations, refineries, offshore platforms, the metallurgical industry, the power generation industry, mining, and aerospace. After years of development, the "CESP" brand has earned a high reputation in the field of international explosion-proof lighting.

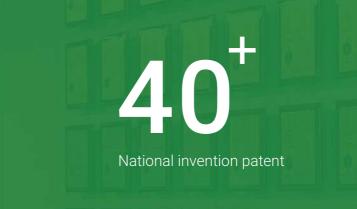
Best wishes to all CESPEX partners for our mutually beneficial cooperation!



# DEVEL OPMENT HISTORY



# **HONORARY QUALIFICATIONS**





CESP EX has obtained North American UL844 explosionproof certification for a total of 7 series of standard products.

11 series of our products have obtained EU ATEX certification and international IECEx certification.

7 series of our products have obtained China CNEX certification standards.







<section-header>







# **CESP HAZARDOUS LOCATION LIGHTING OVERALL SOLUTION**

It's a great honor for CESP to provide hazardous location lighting solutions to you. We shoulder mutual risks in R&D, technology certification, and share achievements in the market and premium products. Nowadays, the importance of safety is widely recognized. Safety matters the most and is deeply ingrained in us. CESP not only offers authoritative Ex-certified LED products but also excellent service as follows:



### PART 1 Pre-sales service

With deep communication about your requirements and the intended use of the lights, CESP can promptly design high-quality LED products tailored to your needs, providing comprehensive lighting solutions.

## PART 2

In-sales

CESP has a strict quality control system and standardized service in the sales process, so we could quickly provide our partners with application technology supports and meet our customers' various special requirements.

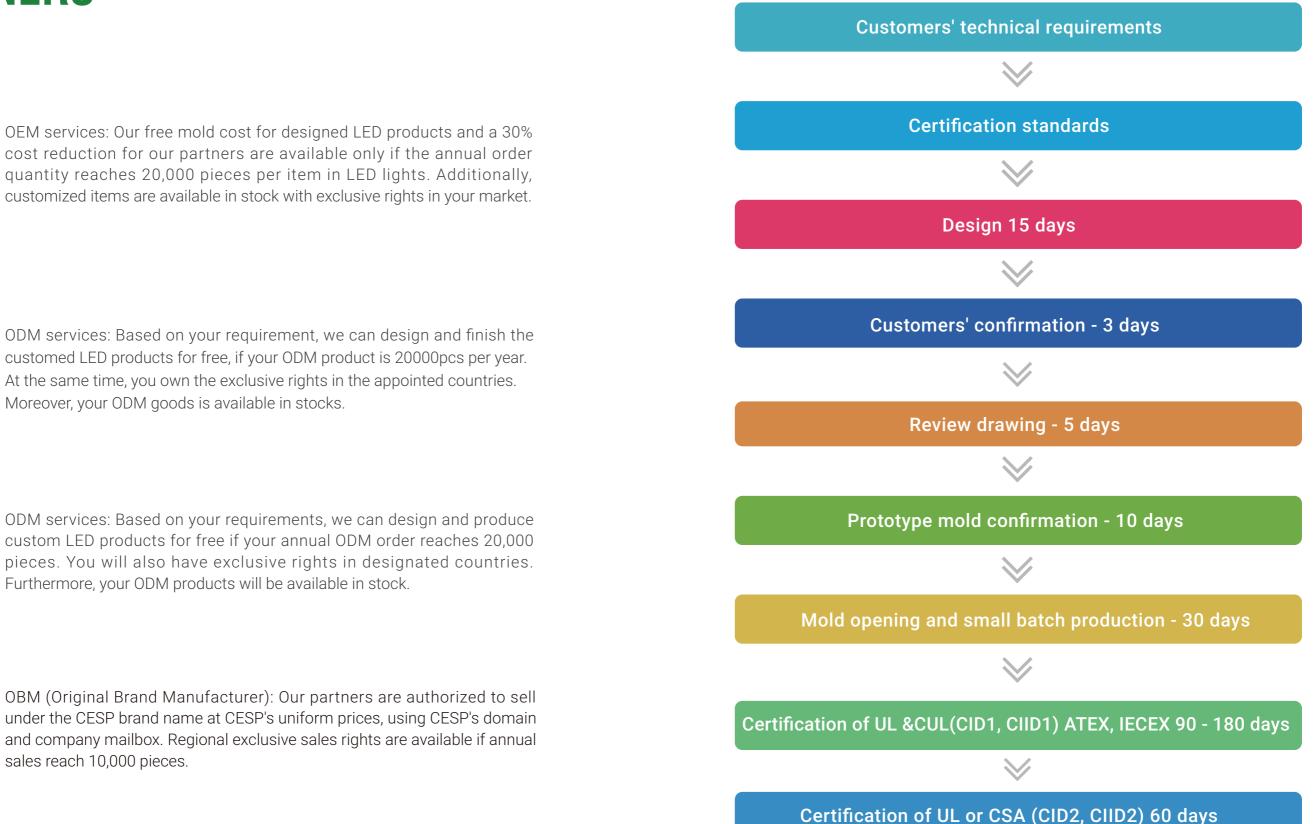
### **PART 3** After sales service

Our professional after-sales engineers provide 4~8 hours prompt response service for the whole day. The performance of contracts is not the end, but it is the beginning of next cooperation.



# **SPECIAL SERVICES FOR STRATEGIC PARTNERS**

# **ODM flow chart**



ODM services: Based on your requirement, we can design and finish the customed LED products for free, if your ODM product is 20000pcs per year. At the same time, you own the exclusive rights in the appointed countries. Moreover, your ODM goods is available in stocks.

ODM services: Based on your requirements, we can design and produce custom LED products for free if your annual ODM order reaches 20,000 pieces. You will also have exclusive rights in designated countries. Furthermore, your ODM products will be available in stock.

OBM (Original Brand Manufacturer): Our partners are authorized to sell under the CESP brand name at CESP's uniform prices, using CESP's domain and company mailbox. Regional exclusive sales rights are available if annual sales reach 10,000 pieces.

# **Hazardous Location LED Lights**

A professional manufacturer of explosion-proof lighting









CES-J Series



CES-EX-LN-02P Series



CES-EX-GB-02 Series



CES-EX-LN-02N Series



**CES-EX-GB** Series

CES-EX-LN-02 Series



CES-EX-LN Series



CES-EX-D-GBX Series



CES-EX-D-JX Series



**CES-SC** Series

**CES-EX-SC** Series

**CES-EX-LP** Series



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CES-EX-LN-02P Series	11~12
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CES-L Series	15~16

### Zone System Explosion Proof LED Luminaries

CES-J Series
CES-EX-GB Series
CES-EX-GB-02 Series
CES-EX-LN Series
CES-EX-LN-02P Series
CES-EX-LN-02 Series
CES-EX-D-JX Series
CES-EX-D-GBX Series
CES-EX-SC Series
CES-EX-SF Series
CES-EX-LP Series

 19~20
 21~22
 23~24
 25~26
 27~28
 29~30
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 33~34
 35~36
 37~38
 39~40

# DIVISION SYSTEM (North American) HAZARDOUS LOCATION LED LUMINARIES



# LED explosion proof flood light

### **CES-J** Series







### Product shooting >>>





CES-J40S

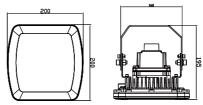
CES-J100

### Technical parameter >>>

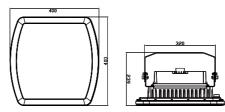
Product Model	CES-J40S	CES-J100	CES-J200
Light efficiency (Lm/W)	140 lm/W	140 lm/W	140 lm/W
Power(W)	40W	100W	200W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70	≥70	≥70
Power Supply	Meanwell LED Driver	Meanwell LED Driver	Meanwell LED Driver
Beam Angle	108°, 120°	108°, 120°	108°, 120°
Power Factor	>0.95	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000	>50,000
THD	<10%	<10%	<10%
Operating temperature	-40°C ~ 55°C	-40°C ~ 55°C	-40°C ~ 55°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	STOW, UL certification, 3x18AWG with 0.5m cable(standard)	STOW, UL certification, 3x18AWG with 0.5m cable(standard)	STOW, UL certification, 3x18AWG with 0.5m cable(standard)
Product size	220mm x 220mm x 195mm	330mm x 330mm x 238mm	400mm x 400mm x 239mm

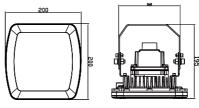
### Dimension drawing >>>

Unit: mm



CES-J40S





CES-J200

### Features >>>

- Patent designed to be Curved Fin Shape, maximize the best heat transmit.
- · Aluminum alloy (ADC12).
- Shock & vibration resistant, Super clear, >90% light transmit.
- LED: 3030 LEDs, LM80 certified.
- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP67, high protection grade for waterproof and dust-proof.

### Certification >>>

#### NEC/CEC:

- Class I, Division 2, Groups A, B, C and D
- T-Class: T6 for Models CES-J100 and CES-J40S, T5 for Model CES-J200
- Damp and wet locations
- Certification body: UL
- Certification Mark: CUL
- Certificate No: E475887

#### Standard :

- US: UL 844; UL 1598
- Canada: CSA C22.2 No. 137;CSA C22.2 No. 250.0

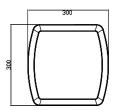
### Application >>>

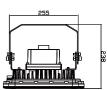
Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.





CES-J200





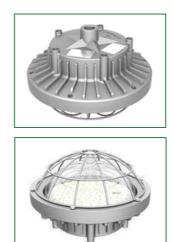
CES-J100

# Hazardous Location LED Low Bay Light

### **CES-EX-GB-02** Series

HazLoc (1967) CESP





### Features >>>

- Private mold designed to be Curved Fin Shape, maximize the best heat transmit.
- · Housing: Aluminum alloy (ADC12).
- LED: 3030 LEDs, LM80 certified.
- Lens: tempered glass shock & vibration resistant, Super clear,>90% light transmit.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.

### Certification >>>

#### NEC/CEC:

- Class I, Division 2, Groups A, B, C and D
- Class II, Division 2, Groups F and G
- Class III
- T-Class: T3C/T4/T4A/T5/T6
- Damp and wet locations
- Certification body: UL
- Certification Mark: CUL
- Certificate No: E475887

#### Standard :

- US: UL 844; UL 1598;
- Canada: CSA C22.2 No. 137; CSA C22.2 No. 250.0;

### Application >>>

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

### Product shooting >>>





CES-EX-GB-02-30/40XXXX

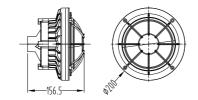
CES-EX-GB-02-60/80XXXX

### Technical parameter >>>

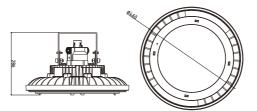
Product Model	CES-EX-GB-02-30/40XXXX	CES-EX-GB-02-60/80XXXX	CES-EX-GB-02-100~200XXXX
Light efficiency (Lm/W)	140 lm/W	140 lm/W	140 lm/W
Power(W)	30W/40W	60W/80W	100W/120W/150W/185W/200W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70	≥70	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	110°, 120°	110°, 120°	110°, 120°
Power Factor	>0.95	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000	>50,000
THD	<10%	<10%	<10%
Operating temperature	-40°C ~ 50°C	-40°C ~ 50°C	-40°C ~ 55°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	STOW, UL certification, 3x18AWG with 0.5m cable (standard)	STOW, UL certification, 3x18AWG with 0.5m cable(standard)	STOW, UL certification, 3x18AWG with 0.5m cable(standard)
Product size	ø220mm x 156.5mm	ø300mm x 203mm	ø460mm x 268mm

### Dimension drawing >>>

Unit: mm



CES-EX-GB-02-30/40XXXX

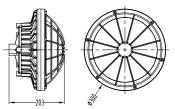


CES-EX-GB-02-100~200XXXX





CES-EX-GB-02-100~200XXXX



CES-EX-GB-02-60/80XXXX

# Hazardous Location LED Low Bay Light

### CES-EX-LN-02 Series





### Product shooting >>>



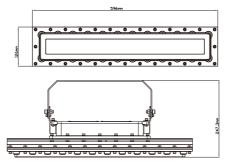
CES-EX-LN-02-40~60XXXX

### Technical parameter >>>

Product Model	CES-EX-LN-02-40~60XXXX	CES-EX-LN-02-80~150XXXX
Light efficiency (Lm/W)	140 lm/W	140 lm/W
Power(W)	40W/50W/60W	80W/100W/120W/150W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70	≥70
Power Supply	Meanwell LED Driver	Meanwell LED Driver
Beam Angle	90°, 110°	40°, 120°, 140°
Power Factor	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000
THD	<10%	<10%
Operating temperature	-40°C ~ 50°C	-40°C ~ 50°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	STOW, UL certification, 3x18AWG with 0.5m cable (standard)	STOW, UL certification, 3x18AWG with 0.5m cable(standard)
Product size	596×126×247.3mm	566×202×246mm

### Dimension drawing >>>

Unit: mm



CES-EX-LN-02-40~60XXXX

### Features >>>

- Private mold designed to be Curved Fin Shape, maximize the best heat transmit.
- Housing: Aluminum alloy (ADC12).
- Lens: tempered glass shock & vibration resistant, Super clear, >90% light transmit.
- LED: 3030 LEDs, LM80 certified.
- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP67, high protection grade for waterproof and dust-proof.

### Certification >>>

#### NEC/CEC:

- Class I, Division 2, Groups A, B, C and D
- $\mbox{ }$  Class II, Division 2, Groups F and G
- Class III
- T-Class: T3, T4A, T5
- Damp and wet locations
- Certification body: UL
- Certification Mark: CUL
- Certificate No: E475887

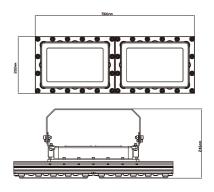
**Standard :** US: UL 844; UL 1598; Canada: CSA C22.2 No. 137; CSA C22.2 No. 250.0;

### Application >>>

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.



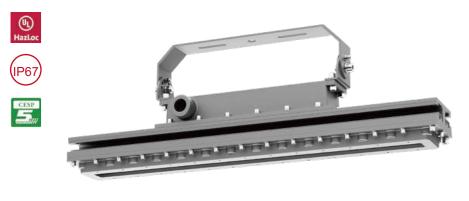
CES-EX-LN-02-80~150XXXX



CES-EX-LN-02-80~150XXXX

## Hazardous Location LED Linear Luminaires

### CES-EX-LN-02N Series





### $Product \ shooting \ >>>$



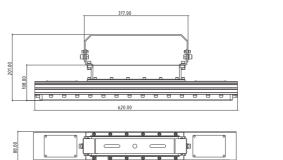
CES-EX-LN-02N-(20B~36B)

### Technical parameter >>>

Product Model	CES-EX-LN-02N-(20B~36B)	CES-EX-LN-02N-(30A~50A)
Light efficiency (Lm/W)	120-140 lm/W	120-140 lm/W
Power(W)	24W/30W/36W	30W/36W/40W/50W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	90°	90°
Power Factor	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	50,000	50,000
THD	<10%	<10%
Operating temperature	-40°C ~ 55°C	-40°C ~ 55°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	STOW, UL certification, 3x18AWG with 0.5m cable (standard)	STOW, UL certification, 3x18AWG with 0.5m cable(standard)
Product size	620mm×88mm×108mm	1243mm×88mm×108mm

### Dimension drawing >>>







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

### Features >>>

- Private mold designed to be Curved Fin Shape, maximize the bestheat transmit.
- Housing: Aluminum alloy(ADC12).
- Lens: tempered glass shock & vibration resistant, Super clear, >90% light transmit.
- LED: 3030 LEDs, LM80 certified.
- Protection: IP67, high protection grade for waterproof and dust-proof.

### Certification >>>

#### NEC/CEC:

- $\boldsymbol{\cdot}$  Class I, Division 2, Groups A, B, C and D
- T-Class: T 6
- Damp and wet locations
- Certification body: UL
- Certification Mark: CUL
- Certificate No: E475887

### Standard :

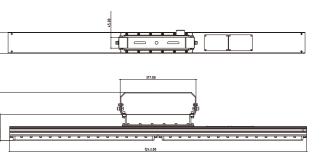
US: UL 844; UL 1598; Canada: CSA C22.2 No. 137; CSA C22.2 No. 250.0;

### Application >>>

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant,Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.



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



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

# Explosion Proof LED Linear Luminaires

### CES-EX-LN-02P Series





### Features >>>

- Private mold designed for explosion-proof protection peformance. Aluminum alloy body, maximize the best heat transmit.
- PC cover, excellent anti-corrosion performanceShock & vibration resistant, Anti-gare, >90% light transmit.
- Perfect to replace the traditional explosion-proof fluorescent lightlamp shape.
- LED: 3030 LEDs, LM80 certified.
- High Efficiency LED driver, more than 50000 hours lifespan.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP66, high protection grade for waterproof and dust-proof.

### Certification >>>

#### NEC/CEC:

- Class I, Division 2, Groups A, B, C and D
- T-Class: T 5, T6
- Damp and wet locations
- Certification body: UL
- Certification Mark: CUL
- Certificate No: E475887

Standard : US: UL 844; UL 1598; Canada: CSA C22.2 No. 137; CSA C22.2 No. 250.0;

### Application >>>

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

### $Product \ shooting \ >>>$



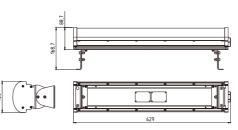
CES-EX-LN-02P-(30B~50B)

### Technical parameter >>>

Product Model	CES-EX-LN-02P-(30B~50B)	CES-EX-LN-02P-(40D~75D)
Light efficiency (Lm/W)	120-140 lm/W	120-140 lm/W
Power(W)	30W/40W/50W	40W/50W/60W/65W/75W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70	≥70
Beam Angle	120°	120°
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan
Power Factor	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000
THD	<10%	<10%
Operating temperature	-40°C ~ 50°C	-40°C ~ 50°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5
Cable	STOW, UL certification, 3x18AWG with 0.5m cable (standard)	STOW, UL certification, 3x18AWG with 0.5m cable(standard)
Product size	629mm×125mm×88.7mm	1230mm×125mm×88.7mm

### Dimension drawing >>>

Unit: mm

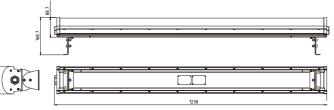


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CES-EX-LN-02P~(30B-50B)



CES-EX-LN-02P-(40D~75D)



CES-EX-LN-02P-(40D~75D)

## Hazardous Location LED Drop Light

### **CES-SC** Series





### Features >>>

- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- LED: 3030 LEDs,LM80 certified.

### Material >>>

- Hook: 316 stainless steel, Protective.
- Cage: Low-carbon steel.
- Lens: tempered glass, shock & vibrationresistant, Super clear, >90% light transmit.
- Housing: Aluminum alloy, ADC12 (high pressure), powder coated.
- Handle part: aluminum alloy inside + rubber cover.

### Certification >>>

#### NEC/CEC:

- Class I, Division 1, Groups B, C and D
- Class II, Division 1, Groups E, F and G
- Class I, Division 2, Groups A, B, C and D
- Class II, Division 2, Groups F and G
- Class III
- T-Class: T6 / T80°C
- IP66;
- Damp and wet locations
- Paint spray rated
- Certification body: UL
- Certification Mark: CUL
- Certificate No: E500078

#### Standard :

US: UL 844; UL 153; Canada: CSA C22.2 No. 137; CSA C22.2 No.250.4;

### Application >>>

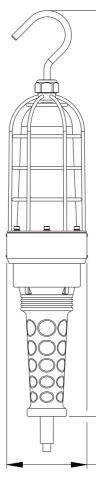
Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

### Technical parameter >>>

Product Model	CES-SC Series	
Light efficiency (Lm/W)	130 lm/W	
Power(W)	10W/20W/30W	
Voltage-Frequency	120Vac;50/60Hz	
Color Temp	5000K (Provides 3000K to 6500K)	
CRI(Ra)(typ.)	≥70	
Beam Angle	360°	
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan	
Power Factor	>0.95	
Rated Lifetime-L70 (hrs.)	>50,000	
THD	<10%	
Operating temperature	-40°C ~ 40°C	
Cable	STW,UL certified,3x18AWG (Max 20m package)	
Product size	Φ101.5mm x 517mm	

### Dimension drawing >>>

Unit: mm





# Explosion Proof LED Street Light

### **CES-L** Series









### Features >>>

- Patent designed to be Curved Fin Shape, maximize the best heat transmit.
- Aluminum alloy (ADC12).
- Lens: tempered glass (8mm) shock & vibration resistant, Super clear, >90% light transmit.
- LED: 3030 LEDs, LM80 certified.
- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP67, high protection grade for waterproof and dust-proof.
- Power: 60W/80W/100W/120W/150W/185W

### Certification >>>

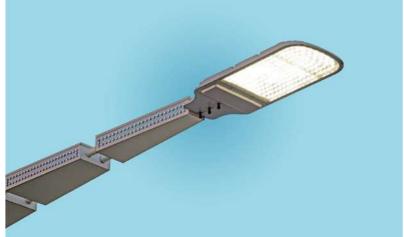
#### NEC/CEC:

- Class I, Division 2, Groups A, B, C and D;
- T-Class: T6 for Models CES-L80 ;
- Damp and wet locations;
- Certification body: UL
- Certification Mark: CUL
- Certificate No: E475887

#### Standard :

US: UL 844; UL 1598; Canada: CSA C22.2 No. 137; CSA C22.2 No. 250.0;





15 / DIVISION SYSTEM

# ZONE SYSTEM EXPLOSION PROOF LED LUMINARIES



# LED Explosion Proof Flood Light

### **CES-J Series**









### Features >>>

- Private mold designed to be Curved Fin Shape, maximize the best heat transmit.
- · Aluminum alloy (ADC12).
- · Lens: tempered glass shock & vibration resistant, Super clear, >90% light transmit.
- LED: 3030LEDs, LM80 certified.
- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP66, high protection grade for waterproof and dust-proof.

### Certification >>>

#### ATEX:

- 🐼 II2G Ex eb mb op is IIC T4 Gb;
- 🐼 II2D Ex op is tb IIC T95°C Db;
- Certificate No: IEP 19ATEX 0714

#### IECEx:

- Ex ec IIC T4 Gc;
- IP66;
- Certificate No: IECEx UL 18.0046

### Application >>>

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

### Product shooting >>>



CES-J20/J30/J40S

CES-J60/J80/J100

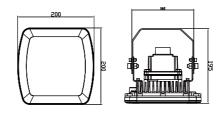
### Technical parameter >>>

Product Model	CES-J20/J30/J40S	CES-J60/J80/J100	CES-J120/J150/180/J200
Light efficiency (Lm/W)	140 lm/W	140 lm/W	140 lm/W
Power(W)	20W/30W/40W	60W/W80W/100W	120W/W150W/180W/200W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70	≥70	≥70
Power Supply	Meanwell LED Driver	Meanwell LED Driver	Meanwell LED Driver
Beam Angle	90°, 120°	90°, 120°	90°, 120°
Power Factor	>0.95	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000	>50,000
THD	<10%	<10%	<10%
Operating temperature	-40°C ~ 55°C	-40°C ~ 55°C	-40°C ~ 55°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5	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)	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)
Product size	220mm x 220mm x 195mm	330mm x 330mm x 238mm	400mm x 400mm x 239mm

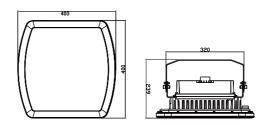
\*Emergency optional: Emergency power: 12W Emergency time: ≥90min Battery: Li-ion battery- 11.1V/2500mAH

### Dimension drawing >>>

Unit: mm





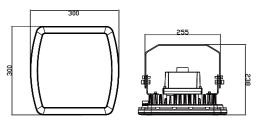


CES-J120/J150/180/J200





CES-J120/J150/180/J200



CES-J60/J80/J100

# Explosion Proof LED High Bay Light

### **CES-EX-GB** Series







### Features >>>

- Private mold designed to be Curved Fin Shape, maximize the best heat transmit.
- Housing: Aluminum alloy (ADC12), 1800ton high pressure die casting into lamp shape.
- · Lens: tempered glass. Shock & vibration resistant, Super clear, >90% light transmit.
- LED: 3030 LEDs, LM80 certified.
- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.

### Certification >>>

#### ATEX:

- 🐼 II 2G Ex db op is IIC T4...T5...T6 Gb;
- 🕢 II 2D Ex tb op is IIIC T103°C...T98°C...T93°C Db;
- IP66;
- Certificate No: SEV 19 ATEX 0334 X

#### IECEx:

- Ex db op is IIC T4...T5...T6 Gb;
- Ex tb op is IIIC T103°C...T98°C ...T93°C Db;
- IP66;
- Certificate No: IECEx SEV 19.0040X

### Application >>>

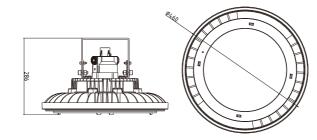
- tunnels, outdoor or indoor mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.
- Applies to hazardous locations of Zone 1 and Zone2 with explosive gas atmosphere.

### Technical parameter >>>

Product Model	CES-EX-GB Series
Light efficiency (Lm/W)	110~140 lm/W
Power(W)	100W/120W/150W/185W/200W
Voltage-Frequency	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70
Power Supply	Meanwell LED Driver
Beam Angle	90°, 120°
Power Factor	>0.95
Rated Lifetime-L70 (hrs.)	>50,000
THD	<10%
Operating temperature	-40°C ~ 55°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)
Product size	ø460mm x 286mm

### Dimension drawing >>>

Unit: mm



CES-EX-GB-02-100~200XXXX

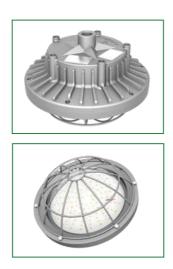
• Wastewater treatment, oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities,

# Hazardous Location LED Low Bay Light

### CES-EX-GB-02 Series







### Features >>>

- Private mold designed to be Curved Fin Shape, maximize he best heat transmit.
- Housing: Aluminum alloy (ADC12).
- LED: 3030 LEDs, LM80 certified.
- Lens: tempered glass shock & vibration resistant.
- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6Kv Surge Protection powersupply.

### Certification >>>

#### ATEX:

- 🗟 II 3G Ex ec IIC T\*Gc;
- 🐼 II 2D Ex tb IIIC T\*Db;
- IP66;
- Certificate No: UL 22 ATEX 2543X, UL 22 ATEX 2544X

#### IECEx:

- •Ex ec IIC T \*Gc
- Ex tb IIIC T \*°C Db;
- IP66;
- Certificate No: IECEx UL 22.0091X

### Application >>>

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

### $Product \ shooting \ >>>$



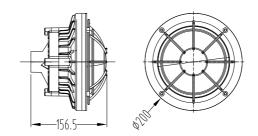
CES-EX-GB-02-30/40XXXX

### Technical parameter >>>

Product Model	CES-EX-GB-02-30/40XXXX	CES-EX-GB-02-60/80/100XXXX
Light efficiency (Lm/W)	140 lm/W	140 lm/W
Power(W)	30W/40W	60W/80W/100W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70	≥70
Power Supply	Meanwell LED Driver	Meanwell LED Driver
Beam Angle	120°	120°
Power Factor	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000
THD	<10%	<10%
Operating temperature	-40°C ~ 50°C	-40°C ~ 50°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	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)	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)
Product size	ø220mm x 156.5mm	ø300mm x 203mm

### Dimension drawing >>>

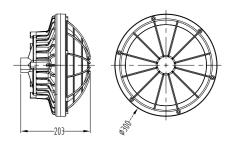
Unit: mm



CES-EX-GB-02-30/40XXXX



CES-EX-GB-02-60/80XXXX



CES-EX-GB-02-60/80/100XXXX

## Explosion Proof LED Linear Luminaires

### **CES-EX-LN Series**





### Features >>>

- Private mold designed to be Curved Fin Shape, maximize the best heat transmit.
- Housing: Aluminum alloy (ADC12).
- Lens: tempered glass shock & vibration resistant, Super clear, >90% light transmit.
- LED: 3030 LEDs, LM80 certified.
- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.

### Certification >>>

#### ATEX:

- 🐼 II 2G Ex db op is IIC T5...T6 Gb;
- 🐼 II 2D Ex tb op is IIIC T94°C...T89°C ...T84°C Db;
- IP66;
- Certificate No: SEV 19 ATEX 0332 X

#### IECEx:

- Ex db op is IIC T5...T6 Gb;
- Ex tb op is IIIC T94°C...T89°C ...T84°C Db;
- IP66;
- Certificate No: IECEx SEV 19.0039X

### Application >>>

• 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, ignitable dusts, fibers or flyings are present.

- Applies to hazardous locations of Zone 1 and Zone2 with explosive gas atmosphere.
- Applies to hazardous locations of Zone 21 and Zone22 with explosive dust atmosphere.

### $Product \ shooting \ >>>$



CES-EX-LN-50~100XXXX

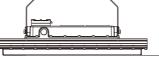
### Technical parameter >>>

Product Model	CES-EX-LN-50~100XXXX	CES-EX-LN-120~240XXXX
Light efficiency (Lm/W)	140 lm/W	140 lm/W
Power(W)	50W/60W/80W/100W	120W/150W/185W/200W/240W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70	≥70
Power Supply	Meanwell LED Driver	Meanwell LED Driver
Beam Angle	120°	120°
Power Factor	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000
THD	<10%	<10%
Operating temperature	-40°C ~ 55°C	-40°C ~ 55°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	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)	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)
Product size	616.5mm x 154.5mm x 237.3mm	1234mm x 154.5mm x 233mm

### Dimension drawing >>>

Unit: mm

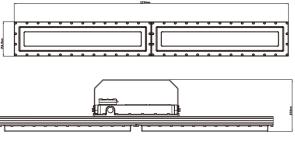




CES-EX-LN-50~100XXXX



CES-EX-LN-120~240XXXX



CES-EX-LN-120~240XXXX

## Explosion Proof LED Linear Luminaires

### **CES-EX-LN-02P** Series





### Features >>>

- Private mold designed for explosion-proof protection peformance. Aluminum alloy body, maximize the best heat transmit.
- PC cover, excellent anti-corrosion performanceShock & vibration resistant, Anti-gare, >90% light transmit.
- Perfect to replace the traditional explosion-proof fluorescent lightlamp shape.
- LED: 3030 LEDs, LM80 certified.
- High Efficiency LED driver, more than 50000 hours lifespan.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP66, high protection grade for waterproof and dust-proof.

### Certification >>>

#### ATEX:

- 😡 II 2G Ex eb mb IIC T5 Gb;
- 🐼 II 2D 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;

### Application >>>

Wastewater treatment, oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, tunnels, outdoor or indoor mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

### Product shooting >>>



CES-EX-LN-02P-(30A~20A) CES-EX-LN-02P-(50B~20B)

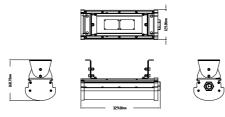
### Technical parameter >>>

Product Model	CES-EX-LN-02P-(30A~20A)	CES-EX-LN-02P-(50B~20B)	CES-EX-LN-02P-(70C~40C)	CES-EX-LN-02P-(100D~40D)
Light efficiency (Lm/W)	140lm/W	140lm/W	140lm/W	140lm/W
Power(W)	20W/30W	20W/30W/40W/50W	40W/50W/60W/70W	40W/50W/60W/70W/80W/100W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)			
CRI(Ra)(typ.)	≥70	≥70	≥70	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	120°	120°	120°	120°
Power Factor	>0.95	>0.95	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000	>50,000	>50,000
THD	<10%	<10%	<10%	<10%
Operating temperature	-40°C ~ 55°C	-40°C ~ 55°C	-40°C ~ 55°C	-40°C ~ 55°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5	3/4"-14 NPT or M25 X1.5 or M26 X1.5	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)	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)
Product size	329mm x 125mm x 88.7mm	629mm x 125mm x 88.7mm	929mm x 125mm x 88.7mm	1230mm x 125mm x 88.7mm

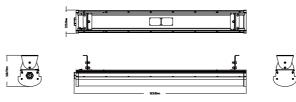
\*Emergency optional: Emergency power: 12W Emergency time: ≥90min Battery: Li-ion battery- 11.1V/2500mAH

### Dimension drawing >>>

Unit<sup>,</sup> mm





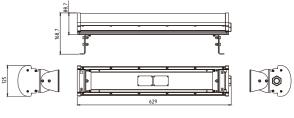


CES-EX-LN-02P-(70C~40C)

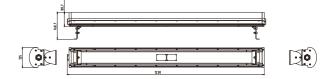


CES-EX-LN-02P-(70C~40C)

CES-EX-LN-02P-(100D~40D)

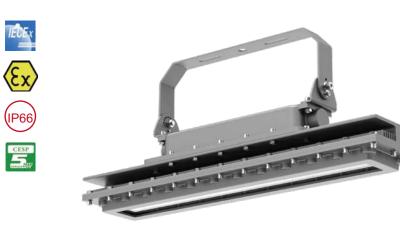


CES-EX-LN-02P-(50B~20B)



CES-EX-LN-02P-(100D~40D)

### CES-EX-LN-02 Series





### $Product \ shooting \ >>>$



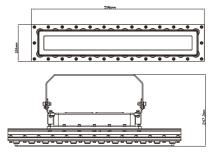
CES-EX-LN-02-40~60XXXX

### Technical parameter >>>

Product Model	CES-EX-LN-02-40~60XXXX	CES-EX-LN-02-80~150XXXX
Light efficiency (Lm/W)	140 lm/W	140 lm/W
Power(W)	40W/50W/60W	80W/100W/120W/150W
Voltage-Frequency	100-277Vac 50-60Hz	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70	≥70
Power Supply	Meanwell LED Driver	Meanwell LED Driver
Beam Angle	90°, 110°	90°, 110°
Power Factor	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000
THD	<10%	<10%
Operating temperature	-40°C ~ 50°C	-40°C ~ 50°C
Entry Size	3/4"-14 NPT or M25 X1.5 or M26 X1.5	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)	Three-core rubber cable, IEC (CE) certification, with 0.5m cable (Standard)
Product size	596×126×247.3mm	566×202×246mm

### Dimension drawing >>>

Unit: mm



CES-EX-LN-02-40~60XXXX

### Features >>>

- Private mold designed to be Curved Fin Shape, maximize the best heat transmit.
- Housing: Aluminum alloy (ADC12), good heat transmit.
- Lens: tempered glass shock & vibration resistant, Super clear, >90% light transmit.
- LED: 3030 LEDs, LM80 certified.
- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6Kv Surge Protection power supply.
- Protection: IP66, high protection grade for waterproof and dust-proof.

### Certification >>>

#### ATEX:

- 🗟 II 3G Ex ec IIC T\*Gc;
- 🗟 II 2D Ex tb IIIC T\*Db;
- IP66;
- Certificate No:UL 22 ATEX 2543X, UL 22 ATEX 2544X

#### IECEx:

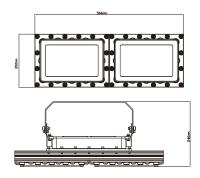
- Ex ec IIC T \*Gc
- Ex tb IIIC T \*°C Db;
- IP66;
- Certificate No:IECEx UL 22.0091X

### Application >>>

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.



CES-EX-LN-02-80~150XXXX



CES-EX-LN-02-80~150XXXX

# Explosion-proof LED light

### **CES-EX-D-JX** Series







### Product shooting >>>

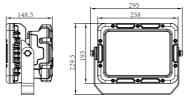


Technical parameter >>>

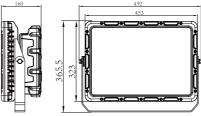
Product Model	CES-EX-D-JX-A	CES-EX-D-JX-B	CES-EX-D-JX-C	CES-EX-D-JX-D
Light efficiency (Lm/W)	130 lm/W	130 lm/W	130 lm/W	130 lm/W
Power(W)	30W/40W/50W	60W/70W/80W/100W	120W/150W/180W/200W	240W/300W/350W/380W
Voltage-Frequency	100-277Vac 50-60Hz	AC100V-AC240V	AC100V-AC240V	AC100V-AC240V
Color Temp	5000K (Provides 3000K to 6500K)			
CRI(Ra)(typ.)	≥70	≥70	≥70	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	30°, 60°, 90°, 120°	30°, 60°, 90°, 120°	30°, 60°, 90°, 120°	30°, 60°, 90°, 120°
Power Factor	>0.95	>0.95	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000	>50,000	>50,000
THD	<10%	<10%	<10%	<10%
Operating temperature	-40°C ~ 60°C	-40°C ~ 60°C	-40°C ~ 60°C	-40°C ~ 60°C
Anticorrosion grade	WF1/WF2(Custom)	WF1/WF2(Custom)	WF1/WF2(Custom)	WF1/WF2(Custom)
Product size	258mm x 193mm x 148.5mm	323mm x 248mm x 148.5mm	453mm x 323mm x 160mm	553mm x 370mm x 160.5mm

### Dimension drawing >>>

Unit: mm



CES-EX-D-JX-A



CES-EX-D-JX-C

### Features >>>

- · Widely used in petroleum exploitation, oil refining, chemical industry, military industry, electric power, metallurgy and other dangerous environments for close-range lighting, flood lighting;
- · Suitable for energy saving renovation projects and maintenance and replacement of difficult places;
- · Suitable for corrosive gas, moisture, high protection requirements of the environment;
- Suitable for explosive gas environment Zone 1, Zone 2 places;
- Suitable for combustible dust environment Zone 21, Zone 22 district;
- Applicable to IIA, IIB explosive gas environment;
- It is suitable for temperature group T1-T6.

### Certification >>>

#### ATEX:

- 🐼 II 2G Ex db op is IIC T6...T4 Gb
- 🐼 II 2D Ex op is tb IIIC T130 °C Db
- IP66;
- Certificate No: TÜV CY 24 ATEX 0206973 X

### **Explosion-proof mark:**

• Ex db IIC T6 Gb; Ex tb IIIC T80°C Db;

#### Executive standard:

- GB/T3836.1; GB/T3836.2; GB/T3836.31;
- IP66;
- BCertificate No: CMExC23.1136X

### Application >>>

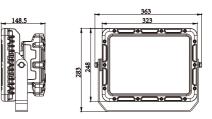
Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.



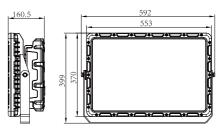


CES-EX-D-JX-C

CES-EX-D-JX-D



CES-EX-D-JX-B



CES-EX-D-JX-D

# Explosion-proof LED light

### **CES-EX-D-GBX** Series







### $Product \ shooting \ >>>$





CES-EX-D-GBX-A

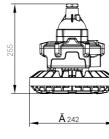
CES-EX-D-GBX-B

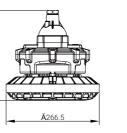
### Technical parameter >>>

Product Model	CCES-EX-D-GBX-A	CES-EX-D-GBX-B	CES-EX-D-GBX-C	CES-EX-D-GBX-D
Light efficiency (Lm/W)	130 lm/W	130 lm/W	130 lm/W	130 lm/W
Power(W)	30W/40W/50W	60W/70W/80W/100W	120W/150W/180W/200W	240W/260W/280W/300W
Voltage-Frequency	100-277Vac 50-60Hz	AC100V-AC240V	AC100V-AC240V	AC100V-AC240V
Color Temp	5000K (Provides 3000K to 6500K)			
CRI(Ra)(typ.)	≥70	≥70	≥70	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	105°	105°	105°	105°
Power Factor	>0.95	>0.95	>0.95	>0.95
Rated Lifetime-L70 (hrs.)	>50,000	>50,000	>50,000	>50,000
THD	<10%	<10%	<10%	<10%
Operating temperature	-40°C ~ 60°C	-40°C ~ 60°C	-40°C ~ 60°C	-40°C ~ 60°C
Anticorrosion grade	WF1/WF2(Custom)	WF1/WF2(Custom)	WF1/WF2(Custom)	WF1/WF2(Custom)
Product size	258mm x 193mm x 148.5mm	323mm x 248mm x 148.5mm	453mm x 323mm x 160mm	553mm x 370mm x 160.5mm

### Dimension drawing >>>

#### Unit: mm





CES-EX-D-GBX-A

CES-EX-D-GBX-B

### Features >>>

- Widely used in petroleum exploitation, oil refining, chemical industry, military industry, electric power, metallurgy and other dangerous environments for close-range lighting, flood lighting;
- Suitable for energy saving renovation projects and maintenance and replacement of difficult places;
- Suitable for corrosive gas, moisture, high protection requirements of the environment;
- Suitable for explosive gas environment Zone 1, Zone 2 places;
- Suitable for combustible dust environment Zone 21, Zone 22 district;
- Applicable to IIA, IIB explosive gas environment;
- It is suitable for temperature group T1-T6.

### Certification >>>

#### ATEX:

- 🐼 II 2G Ex db op is IIC T6...T4 Gb
- 🗟 II 2D Ex op is tb IIIC T130 °C Db
- IP66;
- Certificate No: TÜV CY 24 ATEX 0206973 X

#### Explosion-proof mark:

• Ex db IIC T6 Gb; Ex tb IIIC T80°C Db;

#### Executive standard:

- GB/T3836.1; GB/T3836.2; GB/T3836.31;
- IP66;
- Certificate No: CMExC23.1137

### Application >>>

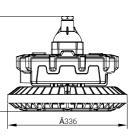
Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.



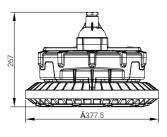
CES-EX-D-GBX-C



CES-EX-D-GBX-D



CES-EX-D-GBX-C



CES-EX-D-GBX-D

# Explosion Proof LED Portable Electric Hand Lamps

### **CES-EX-SC** Series



### Features >>>

- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- LED: 3030 LEDs, LM80 certified.

### Material >>>

- Hook: 316 stainless steel, Protective cage Low-carbon steel.
- Lens: tempered glass, shock & vibration resistant, Super clear, >90% light transmit.
- Housing: Aluminum alloy, ADC12 (high pressure), powder coated.
- Handle part: aluminum alloy inside + rubber cover.

### Certification >>>

#### ATEX:

- 🐼 II 2G Ex db eb IIC T6 Gb;
- 🐼 II 2D Ex tb IIIC T 80°C Db;
- IP66;
- Certificate No: SEV 20 ATEX 0369 X

#### IECEx:

- Ex db eb IIC T6 Gb;
- Ex tb IIIC T 80°C Db;
- IP66;
- Certificate No: IECEx SEV 20.0003X;

### Application >>>

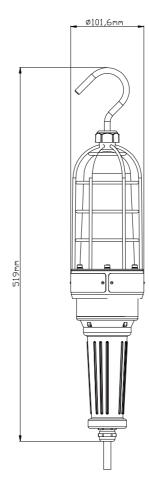
Wastewater treatment, oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, tunnels, outdoor or indoor mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

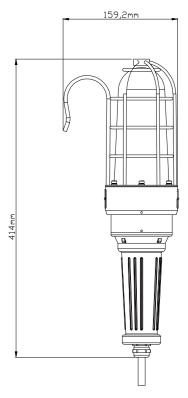
### Technical parameter >>>

Product Model	CES-EX-SC Series
Light efficiency (Lm/W)	130 lm/W
Power(W)	10W/20W/30W
Voltage-Frequency	Optional 1:110-277VAC; Optional 2:110VDC; Optional 3:12-24VDC
Color Temp	5000K (Provides 3000K to 6500K)
CRI(Ra)(typ.)	≥70
Beam Angle	360°
Power Supply	Meanwell LED Driver
Power Factor	>0.95
Rated Lifetime-L70 (hrs.)	>50,000
THD	<10%
Operating temperature	-40°C ~ 50°C
Entry Size	M20 X1.5
Cable	Three-core rubber cable, IEC (CE) certification, outer diameter 7mm (Max. 20m)
Product size	Top hook: $\Phi$ 101.6mm x 519mm; Side hook: 159.2mm x 414mm

### 

#### Unit: mm





(Side hook)

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# Explosion Proof LED Luminaires

### **CES-EX-SF** Series







### Features >>>

- Patent designed for explosion-proof protection peformance. Aluminum alloy body, maximize the best heat transmit.
- PC cover, excellent anti-corrosion performance. Shock & vibration resistant, Anti-gare, >90% light transmit.
- Perfect to replace the traditional explosion-proof fluorescent lightlamp shape.
- LED: LM80 certified,120-140 lm/W, up to 14000 lumen flux.
- High Efficiency LED driver, more than 50000 hours lifespan.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP66, high protection grade for waterproof and dust-proof.

### Certification >>>

#### ATEX:

- 🐼 II 2G Ex eb mb IIC T4 Gb;
- 🐼 II 2D Ex tb IIICT128 C Db;
- IP66;
- Certificate No: SEV 20 ATEX 0412 X;

### Application >>>

Wastewater treatment, oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, tunnels, outdoor or indoor mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

### Application >>>



CES-EX-SF-CFX-A

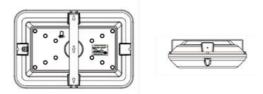
CES-EX-SF-TYX-A

### Technical parameter >>>

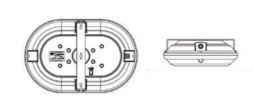
Product Model
Light efficiency (Lm/W)
Power(W)
Voltage-Frequency
Color Temp
CRI(Ra)(typ.)
Power Supply
Beam Angle
Power Factor
Rated Lifetime-L70 (hrs.)
THD
Operating temperature
Cable

### Dimension drawing >>>

Unit: mm



#### CES-EX-SF-CFX-A(419mm×271mm×99mm)



CES-EX-SF-YX-A(419mm×271mm×99mm)

Where there is an explosive environment there are CESP lights





CES-EX-SF-YX-A

CES-EX-SF-ZFX-B

CES-EX-SF Ser	

120~140 lm/W

100W/120W/150W/185W/200W

100-277Vac 50-60Hz

000K (Provides 3000K to 6500K)

≥70

High Efficiency LED driver, more than 50000 hours lifespan

100°

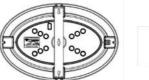
>0.95

50,000

<10%

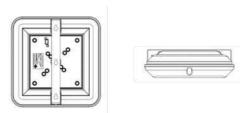
-40°C ~ 40°C

Three-core rubber cable, IEC (CE) certification, outer diameter 7mm





CES-EX-SF-TYX-A(419mm×271mm×99mm)



CES-EX-SF-ZFX-B(315mm×315mm×99mm)

# Explosion-Proof LED Flexible Strip Light

### **CES-EX-LP** Series



### Features >>>

- Explosion-Proof: ATEX approved for Zone 1/21 & 2/22, suitable for methane, coal dust, and various combustible gases.
- Long Life, Low Energy: 50,000+ hours lifespan, low energy consumption, and high efficiency.
- Versatile Lighting: White for continuous lighting, colored versions for safety systems.
- Robust Design: Flexible silica gel material, waterproof connector, and controllers for underground mines.
- High-Quality LED: High-brightness SMD LED chips for superior illumination.
- Voltage Compatibility: Rated input voltage of 48v, 36v, and 24v DC/AC for flexible installation.
- IP67 Rating: Injection-molded silicone for dust and water protection.
- · Consistent Performance: High color consistency and uniformity for visually cohesive lighting.

### Certification >>>

#### ATEX:

- II 2G Ex mb op is IIC T4 Gb
- 🚯 II 2D Ex mb op is IIIC T135°C Db
- Certificate No: TÜV IT 24 ATEX 0179 X

### Application >>>

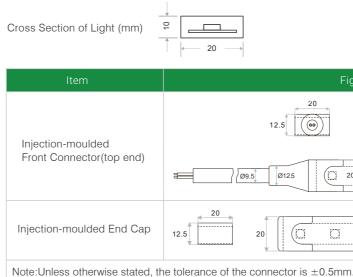
· Wastewater treatment, oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, tunnels, outdoor or indoor mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

• Applies to hazardous locations of Zone 1/21 & 2/22 with explosive gas atmosphere.

### Technical parameter >>>

EX marking	<ul> <li>II 2G Ex mb op is IIC T4 Gb</li> <li>II 2D Ex mb op is IIIC T135°C Db</li> </ul>
Operating temperature range	-40°C~80°C
Dimension	W20mm*H10mm
IP degree of protection	IP67
Impact strength	IK10
Standards	EN IEC 60079-0 EN IEC 60079-18 EN IEC 60079-28
Weight	285g/m

### Dimension drawing



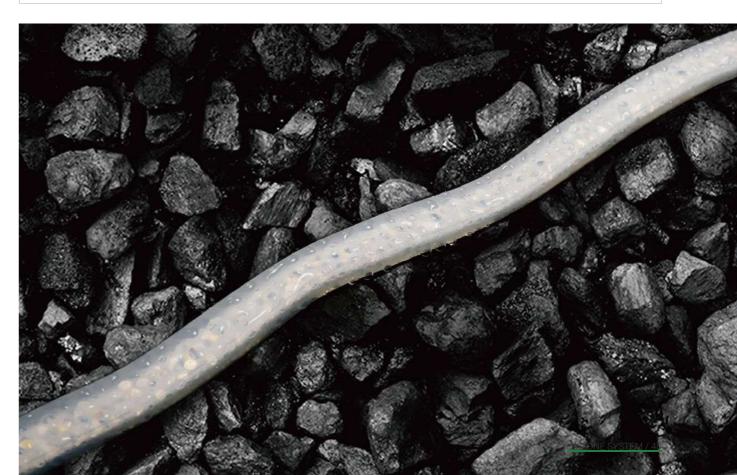


Figure	Description
	Connect light to power supply with pre-installed front feed cable, IP65/IP67.
	Cross Section of Light (mm)
mm	

# Technology Center 🕕 Laboratory





O UL authorization





Spectrum sphere ball

O Long-term aging test

# Cooperation projects





Chemical Factory in Mexico





USA Shell Gas station







American Control Room

Ink Plant in Thailand





Sweden ANMFC DOCK



UL laboratory



Photoelectric integrated testing system
 EMC shielded room

Salt spray testing machine

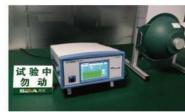


LEDs aging test line

LEDs aging test line



Seall-off test machine



C Light source stroboscopic test system



LED driver test

Electrical parameter test

O Lightning surge test

O Switch impact test



O Insulation resistance test









IP waterproof test



©Falling-ball impact test machine





OWire bending test machine





Refinery in USA

CNOOC offshore platform project

Italy Explosion-proof Cabinet



Mongolia Gas station



Manufacturing Facility in UK

Mongolia MT Gas Enterprise

USA BMW Car Parking Area

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## CESPEX main customer distribution



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