



TOP EXPLOSION-PROOF LIGHTING VENDOR IN THE WORLD

Where there is an explosive atmosphere
there are CESP light



service



product



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Your personal ex-proof experts

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COMPANY PROFILE

CESP was established in 2007 with register capital of 50 millions RMB, is the Top OEM & ODM supplier for explosion proof lighting solution of China and the 1st Company in China got certified by UL & CUL for hazardous location LED lighting fixtures. In December 2020, CSA Group issued UL844 and CSA 137 standard explosion proof certificate (Division 1) for CES-SC series, the world's first Class 1 Division 1 explosion-proof LED portable lamp.

The company has office area of 2000 square meters, production plant of 18,036 square meters, more than 200 employees. Our R&D center has more than 20 senior R&D engineers, including professional explosion-proof structural engineers, explosion-proof electrical engineers, software engineers, optical design engineers and international explosion-proof certification engineers, etc. We also have an international UL-authorized witness laboratory.

We specializes 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 sign, explosion-proof mobile work lights, explosion-proof switches and other products. The 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", "China GB 3836 Explosion-proof Certification", and have obtained relevant explosion-proof certificates.

We have worked closely with internationally renowned companies such as Eaton, Emerson, Larsen, Badgley, Dialight and Nov, etc. The projects cover many countries around the world, including the US Navy aircraft carrier, Canadian oil fields, Qatar oil fields, Shell oil stations, CNPC, Sinopec, CNOOC, We has provided explosion-proof lighting products for many gas stations, refineries, offshore platforms, metallurgical industry, power generation industry, mining, and aerospace, etc. After years of precipitation, the "CESP" brand has obtained a high reputation in the field of international explosion-proof lighting.

Best wishes to all CESP partners for our win-win cooperation!

MILESTONE HONOR



2007

Shenzhen
CESP Co., Ltd.
Established



2010

Obtained CNEX cert.
Become CNPC CNOOC's
light supplier



2013

Obtained ISO9001,
ISO14001, CE
RoHS, SAA, PSE cert



2015

Became FIRST Chinese
manufacture obtain
UL844 (CID1 CID2 CIID1
CIID2)for Haz. Loc.



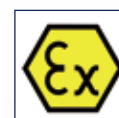
2020

The 1st Division 1 LED
explosion-proof hand
lamp in the world.



2008

R&D center established
has Obtained 3 patents;
(total 27 patents up to now)



2014

Obtained ATEX cert.
professional for
hazardous location



2012

Obtained National
High-tech Enterprise award



2018

Obtained IECEX cert.
professional for
hazardous location



2021

Development of class 1
div 1 emergency exit light

CESP hazardous location lighting overall solution

It's a great honor for CESP to provide hazardous location lighting solutions to you. Shoulder the mutual risks of R&D, technology as certification, and share the achievement of the markets & premium products Nowadays, the notion of safety is widely spreaded. That safety matters the most is deeply rooted in us. CESP not only offers authoritative Ex certified LED products but also excellent service as following:

PART 1

Pre-sales service

With the help of deep communication on your requirements and where the lights are used, CESP can promptly design the proper LED product with good quality to you, including the complete 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

1 OEM services: Only if the annual order quantity amount is 20000pcs per item in LED lights, you will gain the service (free mould cost for designed LED products reducing 30% cost for our partners) Meanwhile, for your customed item, they are available in stocks with exclusive rights in your market.

2 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.

3 Exclusive sales services: The exclusive sales right of one item or one product series is given only the annual sales reach 10,000pcs, and our partners can apply to Multiple Listing to get the independent certificates and certificate No., and we don't charge any fee for it.

4 OBM: Our partners are authorized to sell in the name of CESP according to CESP's uniform prices, use CESP's domain and company mailbox. A regional exclusive sales right is available if the annual sales reach 10,000pcs.

ODM flow chart





DIVISION SYSTEM (North American) **HAZARDOUS LOCATION LED LUMINARIES**

- CES-J
- CES-EX-GB-02
- CES-EX-LN-02N
- CES-L
- CES-SC
- CES-EX-LN-02
- CES-EX-LN-02P



LED EXPLOSION PROOF FLOOD LIGHT

CES-J 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: LM80 certified,130lm/W ± 5 , up to 24050lm.
- 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: 20W/30W/40W/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-J100 andCES-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;





HAZARDOUS LOCATION LED HIGH BAY LIGHTS

CES-EX-GB-02 Series



Features

- Patent designed to be Curved Fin Shape,maximize the best heat transmit.
- Housing - Aluminum alloy (ADC12).
- LED: LM80 certified, high efficacy, low decay, long lifespan.130lm/W ± 5 , up to 26000lm.
- Lens -tempered glass(8mm - 10mm)shock & vibration resistant, Super clear,>90% light transmit.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Power: 30W/40W/60W/80W/100W/120W/150W/185W/200W

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

Standard :

US: UL 844; UL 1598;

Canada: CSA C22.2 No. 137; CSA C22.2 No. 250.0;





CES-EX-LN-02N Series

HAZARDOUS LOCATION LED LINEAR LUMINAIRES

Features

- Patent designed to be Curved Fin Shape, maximize the bestheat transmit.
- Housing - Aluminum alloy(ADC12).
- Lens -tempered glass (8mm)shock & vibration resistant,Super clear, >90% light transmit.
- LED: LM80 certified, high efficacy, low decay, long lifespan.130lm/W ±5, up to 6500lm.
- Protection: IP67,high protection grade for waterproof and dust-proof.
- Power: 24W/30W/36W/40W/50W

Certification

NEC/CEC:

- Class I, Division 2, Groups A, B, C and D;
- T-Class: T 6
- Damp and wet locations;

Standard :

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





HAZARDOUS LOCATION LED DROP LIGHT

CES-SC Series

Features

- Lens - tempered glass(10mm), shock & vibration resistant, Super clear, >90% light transmit.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- LED: LM80 certified, high efficacy, low decay, long lifespan.130lm/W ± 5 , up to 4200lm.
- Pass the multi-angle drop test;
- Ergonomic design to ensure that the handle temperature is suitable for the hand;
- The internal locking device can effectively prevent the cable from being pulled out;
- Power: 10W/20W/30W

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;

Standard :

US: UL 844; UL 153;

Canada: CSA C22.2 No. 137; CSA C22.2 No.250.4;



HAZARDOUS LOCATION LED LINEAR LUMINAIRES

CES-EX-LN-02 Series



Features

- Patent 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: LM80 certified, high efficacy, low decay, long lifespan.120lm/W ± 5 , up to 72000lm.
- 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: 40W/50W/60W/80W/100W/120W/150W/160W/200W/240W/300W/320W/360W/400W/450W/480W/600W

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: 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;





EXPLOSION PROOF LED LINEAR LUMINAIRES

CES-EX-LN-02P Series

Features

- Patent designed for explosion-proof protection performance.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: LM80 certified,120-140 lm/W, up to 9600 lumen flux.
- High Efficiency LED driver, more than 50000 hours lifespan.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP67,high protection grade for waterproof and dust-proof.
- Power: 30W/40W/50W/60W/65W/75W

Certification

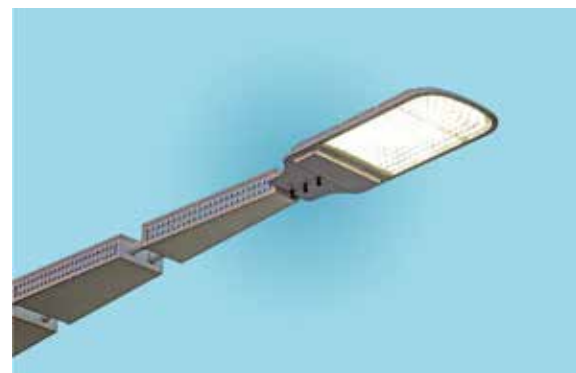
NEC/CEC:

- Class I, Division 2, Groups A, B, C and D;
- T-Class: T 5, T6;
- Damp and wet locations;

Standard :

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





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: LM80 certified,130lm/W ± 5 , up to 24050lm.
- 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;





ZONE SYSTEM

EXPLOSION PROOF

LED LUMINARIES

- | | |
|-------------|-----------------|
| ■ CES-J | ■ CES-EX-GB |
| ■ CES-EX-SF | ■ CES-EX-SC |
| ■ CES-GB-02 | ■ CES-EX-LN-02 |
| ■ CES-EX-LN | ■ CES-EX-LN-02P |



LED EXPLOSION PROOF FLOOD LIGHT

CES-J 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: LM80 certified,130lm/W ±5,up to 26000lm.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP66,high protection grade for waterproof and dust-proof.
- Power: 20W/30W/40W/60W/80W/100W/120W/150W/180W/200W

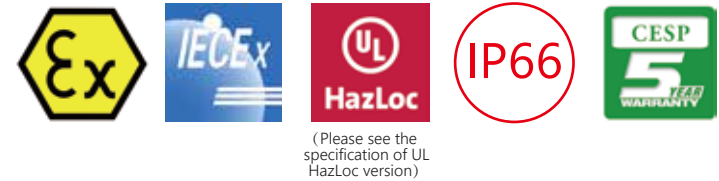
Certification

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;





EXPLOSION PROOF LED HIGH BAY LIGHT



CES-EX-GB Series

Features

- Patent 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 (10mm).Shock & vibration resistant, Super clear, >90% light transmit.
- LED: LM80 certified, high efficacy, low decay, long lifespan.130lm/W ±5, up to 26000lm.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Power: 100W/120W/150W/185W/200W

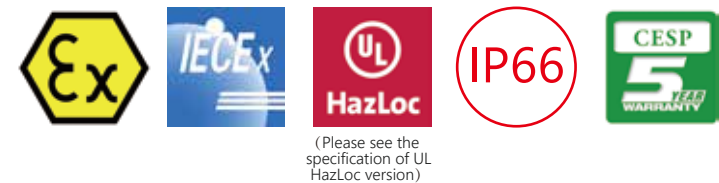
Certification

ATEX:

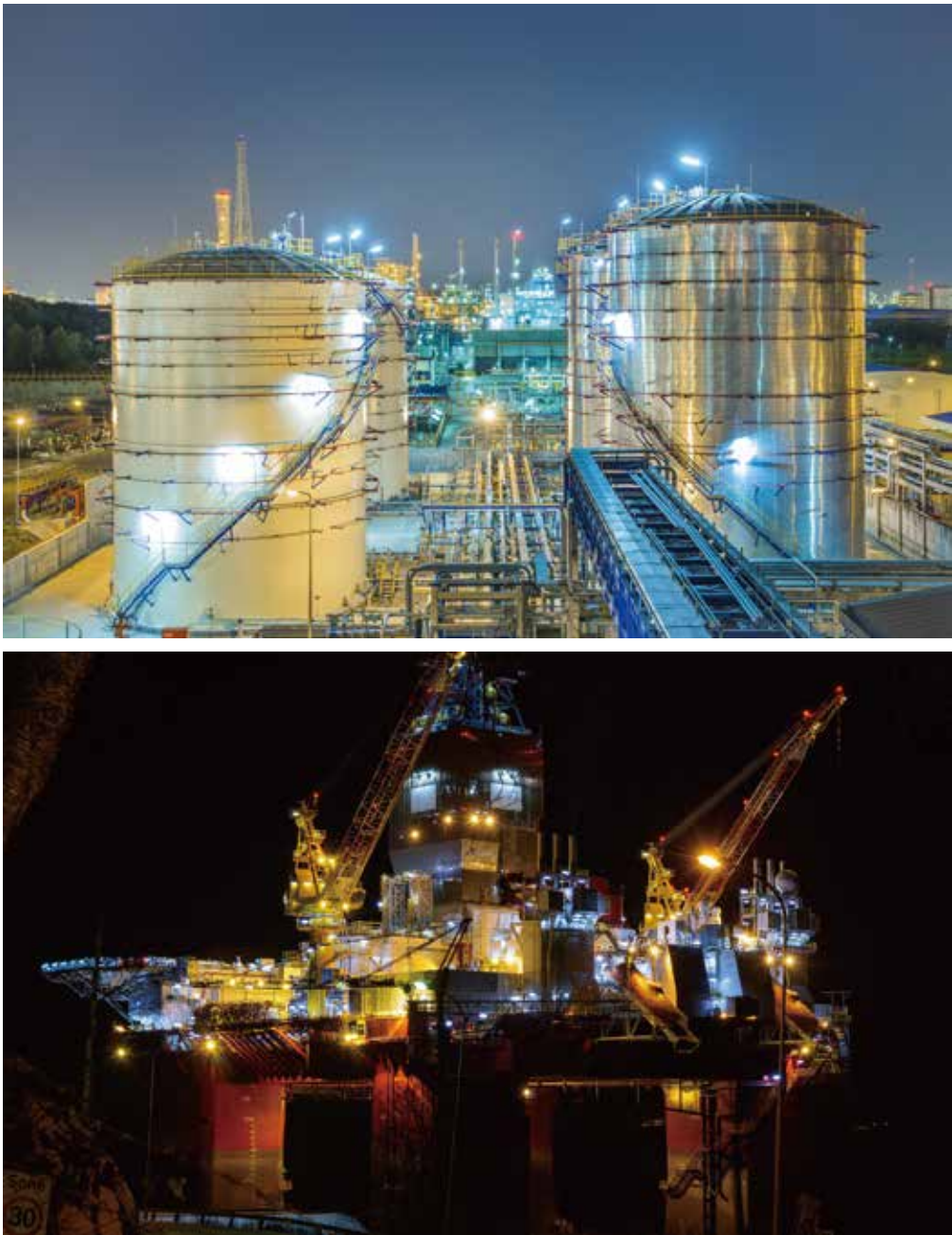
- II 2G Ex db op is IIC T4...T5...T6 Gb;
- II 2D Ex tb op is IIIC T103°C...T98°C...T93°C Db;
- IP66;
- Certificate No: SEV 19 ATEX 0334 X;

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;



(Please see the specification of UL HazLoc version)



EXPLOSION PROOF LED LINEAR LUMINAIRES

CES-EX-LN Series

Features

- Patent designed to be Curved Fin Shape,maximize the best heat transmit.
- Housing -Aluminum alloy (ADC12).
- Lens -tempered glass (10mm) shock & vibration resistant, Super clear, >90% light transmit.
- LED: LM80 certified, high efficacy, low decay, long lifespan.130lm/W ±5, up to 26400lm.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Power: 50W/60W/80W/100W/120W/150W/185W/200W/240W

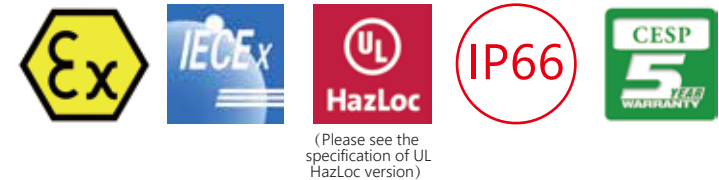
Certification

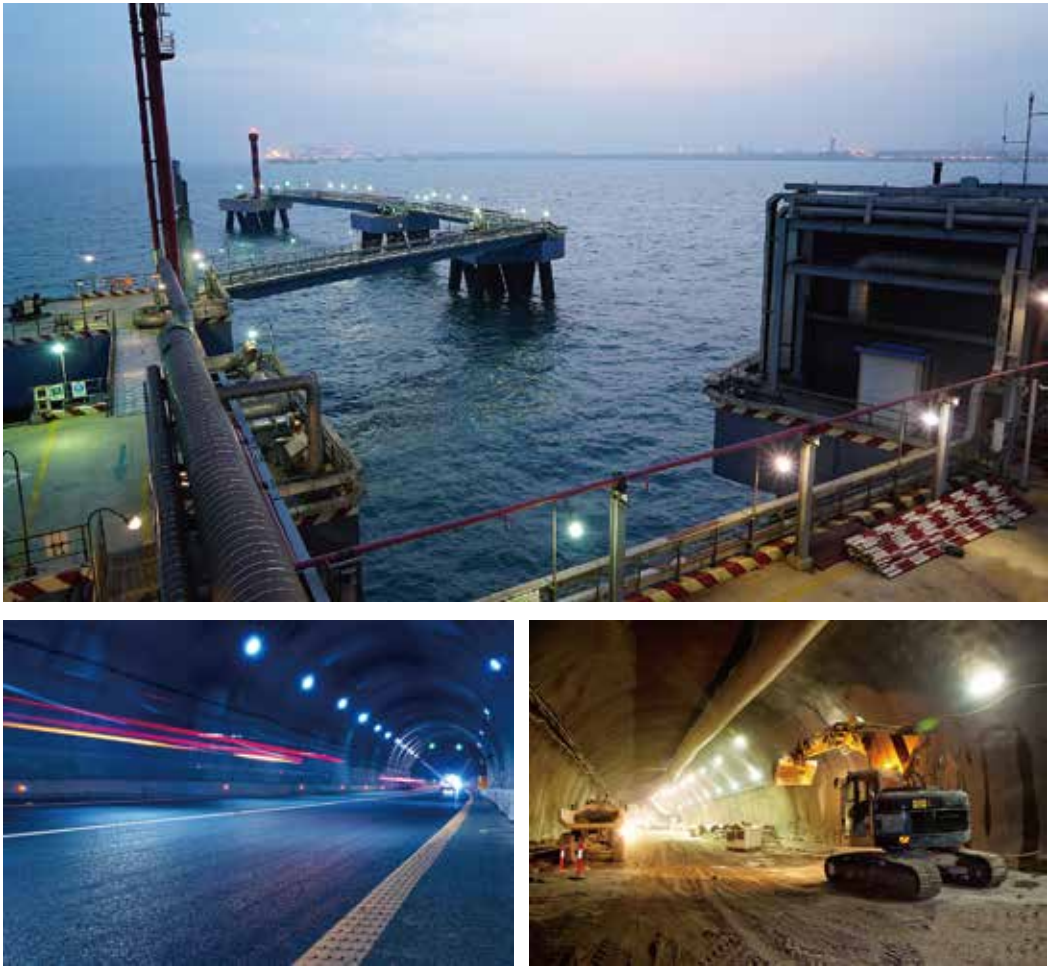
ATEX:

- 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;





HAZARDOUS LOCATION LED LOW BAY LIGHT

CES-EX-GB-02 Series

Features

- Patent designed to be Curved Fin Shape, maximizethe best heat transmit.
- Housing - Aluminum alloy (ADC12).
- LED: LM80 certified, high efficacy, low decay, longlifespan.120 lm/W ±5.
- Lens -tempered glass (6mm) shock & vibration resistant.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6Kv Surge Protection powersupply.

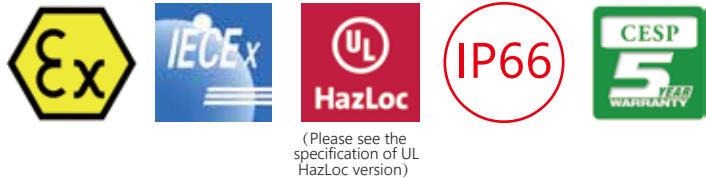
Features

ATEX:

- Ex II 3G Ex ec IIC T *Gc;
- Ex 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





HAZARDOUS LOCATION LINEAR LIGHT LED

CES-EX-LN-02 Series



Features

- Patent 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:LM80 certified, high efficacy, low decay, long lifespan.120 lm/W ±5, up to 72000lm.
- Meanwell LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6Kv Surge Protection power supply.
- Protection: IP66, high protection grade for waterproof and dust-proof.
- Power: 40W/50W/60W/80W/100W/120W/150W/160W/200W/240W/300W/320W/360W/400W/450W/480W/600W

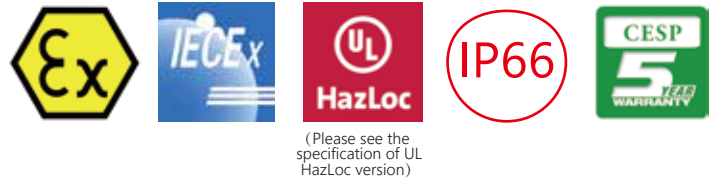
Certification

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





EXPLOSION PROOF LED PORTABLE ELECTRIC HAND LAMPS

CES-EX-SC Series



Features

- Lens - tempered glass(10mm), shock & vibration resistant, Super clear, >90% light transmit.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- LED: LM80 certified, high efficacy, low decay, longlifespan.130lm/W ±5,up to 4200lm.
- Pass the multi-angle drop test;
- Ergonomic design to ensure that the handle temperature is suitable for the hand;
- The internal locking device can effectively prevent the cable from being pulled out;
- Power: 10W/20W/30W

Features

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;



(Please see the specification of UL HazLoc version)



EXPLOSION PROOF LED LINEAR LUMINAIRES

CES-EX-LN-02P Series

Features

- Patent designed for explosion-proof protection performance. 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 light lamp 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.
- Power: 20W/30W/40W/50W/60W/70W/80W/100W

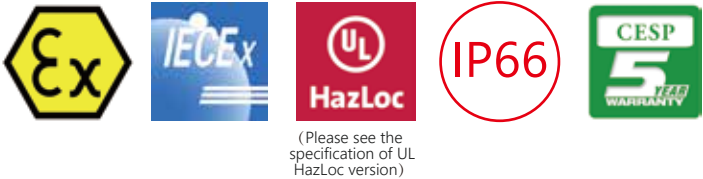
Certification

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;





LED EXPLOSION-PROOF CEILING LIGHT



CES-EX-SF Series

Features

- Has a strong shell, with features such as impact resistance, vibration resistance, and corrosion resistance.
- The maximum temperature does not exceed T4, which is much lower than the temperature of traditional lamps. The working environment temperature is -40°C to +40°C.
- The whole explosion proof lamp is composed of flame-retardant, f1-anti-UV PC lampshade and ADC12-spray paint.
- LED: LM80 certified, high efficacy, low decay, long lifespan. 130lm/W ± 5 , up to 4200lm.
- High efficiency LED Driver, >90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP66, high protection grade for waterproof and dust-proof.
- Power: 20W/30W/40W/50W/60W

Certification

ATEX:

-  II 2G Ex eb mb IIC T4 Gb;
-  II 2D Ex tb IIIC T128 °C Db;
- IP66;
- Certificate No: SEV 20 ATEX 0412X;





UL laboratory UL authorization Spectrum sphere ball



LEDs aging test line Photoelectric integrated testing system EMC shielded room Long-term aging test



LEDs aging test line Constant temperature/Voltage box Salt spray testing machine Falling-ball impact test machine Wire bending test machine



Fall-off test machine Transport vibrator table IP waterproof test Sanddust test High/low temp test



Light source stroboscopic test system LED driver test Switch impact test Withstanding insulation voltage test Volt insulation test



Needle-flame test Glow-wire tester Electrical parameter test Lightning surge test Insulation resistance test

COOPERATION PROJECTS



Chemical Factory in Mexico



Refinery in USA



CNOOC offshore platform project



USA Shell Gas station



Italy Explosion-proof Cabinet



Mongolia Gas station



American Control Room



Ink Plant in Thailand



Manufacturing Facility in UK



Sweden ANMFC DOCK



Mongolia MT Gas Enterprise



USA BMW Car Parking Area