

EXPLOSION-PROOF LED LIGHT

CES-EX-D-GBX Series

Suitable for Zones 1,2 (explosive gas), Zones 21,22 (combustible dust);
IIA/IIB gas classes, T1-T6 temperature classes.



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



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QUALIFICATION CERTIFICATES

ATEX:

-  II 2 G Ex db op is IIC T6...T4 Gb;
-  II 2 D 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



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SCOPE OF APPLICATION

- Suitable for energy saving renovation projects and maintenance and replacement of difficult places;
- Suitable for explosive gas environment zone 1, zone 2 places;
- Suitable for corrosive gas, damp, high protection requirements of the environment;
- Widely used in oil mining, oil refining, chemical industry, military, electric power, metallurgy and other dangerous environment for flood lighting;
- Applicable to combustible dust environment zone 21, zone 22 places;
- Applicable to IIA, IIB explosive gas environment;
- Applicable to T1-T6 temperature groups.

PRODUCT FEATURES

- Explosion-proof structure design for enhanced safety and reliability.
- Equipped with the latest generation of premium-brand LED light sources, LM-80 certified.
- Professional optical system design with a tempered glass lampshade, offering excellent impact and corrosion resistance. equipped with the latest generation of nano reflector, ensuring high light output efficiency.
- Housing made of aluminum alloy with advanced UV-resistant and anti-corrosion electrostatic powder coating technology.
- Ultra-clear tempered glass, resistant to 4J impact, heat, thermal fusion, and offering high light transmittance.
- High-corrosion-resistant stainless steel exposed fasteners.
- Various installation options available.
- Optional single-lamp controller for customized lighting scene settings.
- Optional emergency module for emergency lighting functionality.

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CES-EX-D-GBX-30A/40A/50A

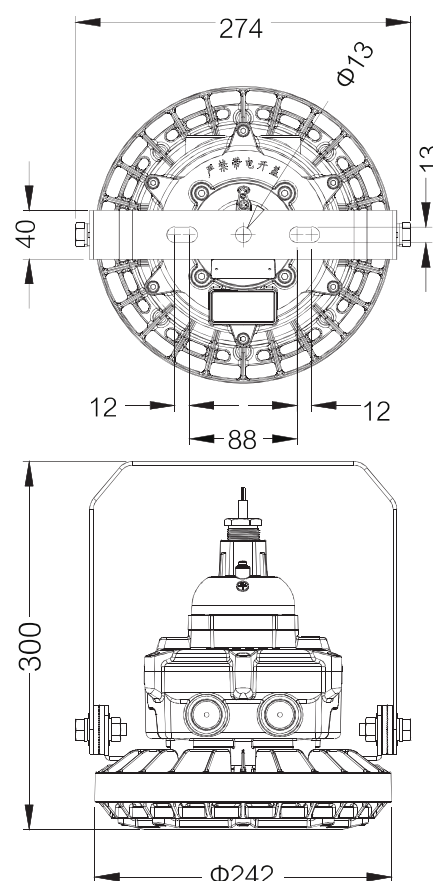
OVERALL DIMENSIONS

Product Size(mm)	Φ242mm×300mm
Carton Size(mm)	—
QTY/CTN	—
Net Weight	5.3kg
Gross Weight	—

TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	130 lm/W
Power (W)	30W/40W/50W
Voltage - Frequency	AC100V-AC240V
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	105°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +60°C
Anticorrosion Grade	WF1/WF2 (Custom)
Entry Size	NTP 3/4 or M25 (selectable)

Unit: mm



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CES-EX-D-GBX-60B/70B/
80B/100B

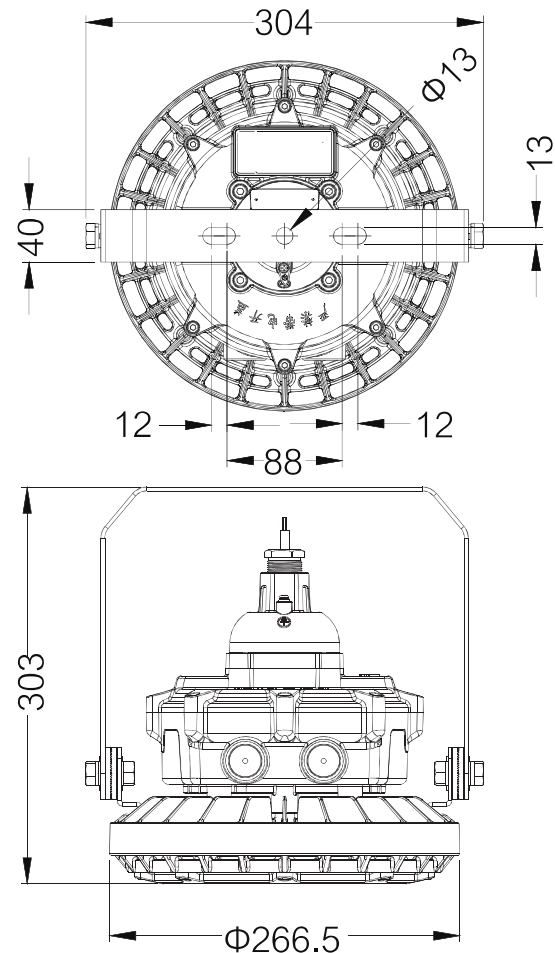
OVERALL DIMENSIONS

Product Size(mm)	Φ266.5mm×303mm
Carton Size(mm)	—
QTY/CTN	—
Net Weight	6.6kg
Gross Weight	—

TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	130 lm/W
Power (W)	60W/70W/80W/100W
Voltage - Frequency	AC100V-AC240V
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	105°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +60°C
Anticorrosion Grade	WF1/WF2 (Custom)
Entry Size	NTP 3/4 or M25 (selectable)

Unit: mm



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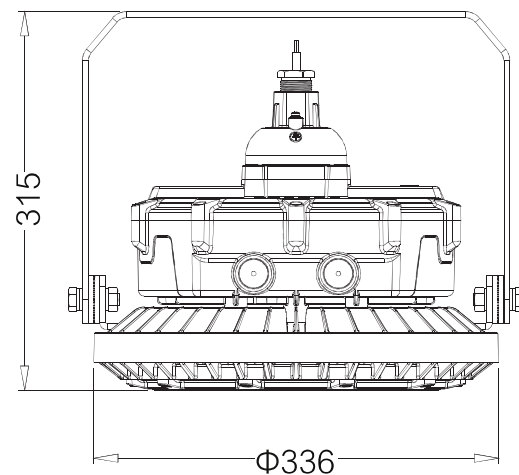
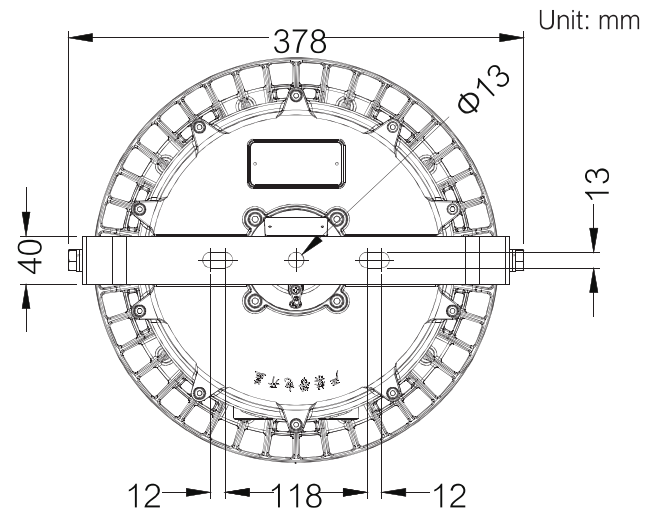
CES-EX-D-GBX-120C/150C/
180C/200C

OVERALL DIMENSIONS

Product Size(mm)	Φ336mm×315mm
Carton Size(mm)	—
QTY/CTN	—
Net Weight	11.3kg
Gross Weight	—

TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	130 lm/W
Power (W)	120W/150W/180W/200W
Voltage - Frequency	AC100V-AC240V
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	105°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +60°C
Anticorrosion Grade	WF1/WF2 (Custom)
Entry Size	NTP 3/4 or M25 (selectable)



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CES-EX-D-GBX-240D/260D/
280D/300D

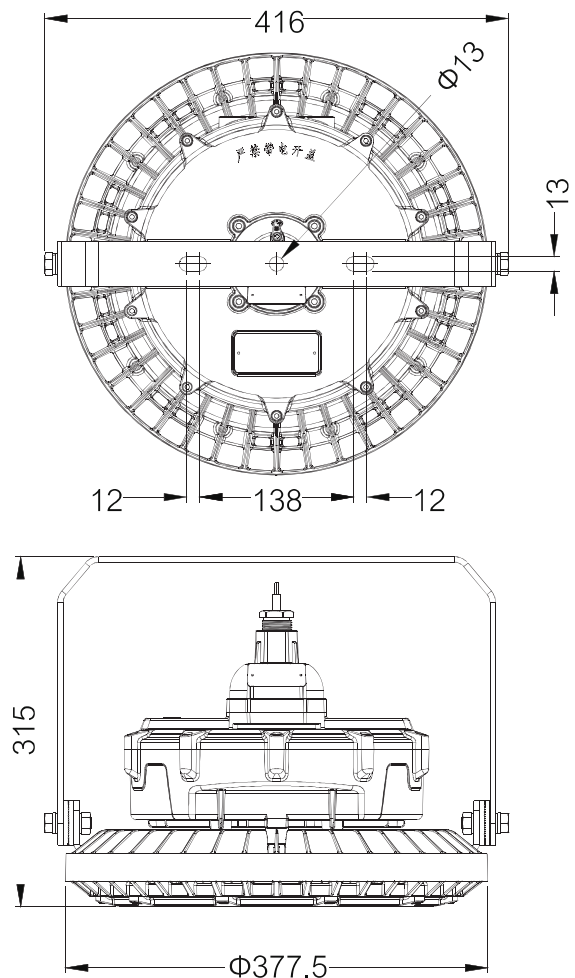
OVERALL DIMENSIONS

Product Size(mm)	Φ377.8mm×315mm
Carton Size(mm)	—
QTY/CTN	—
Net Weight	13.5kg
Gross Weight	—

TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	130 lm/W
Power (W)	240W/260W/280W/300W
Voltage - Frequency	AC100V-AC240V
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	High Efficiency LED driver, more than 50000 hours lifespan
Beam Angle	105°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
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Operating Temperature	-40°C ~ +60°C
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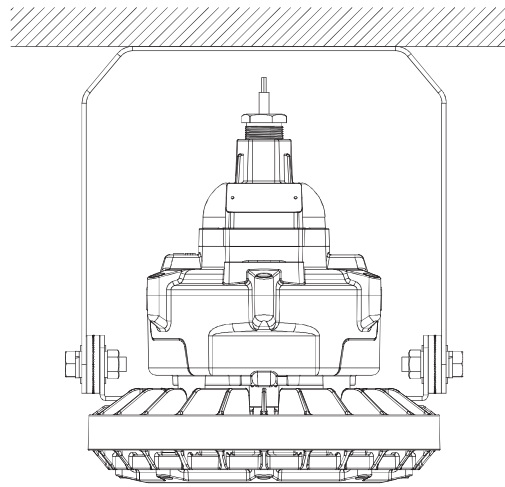


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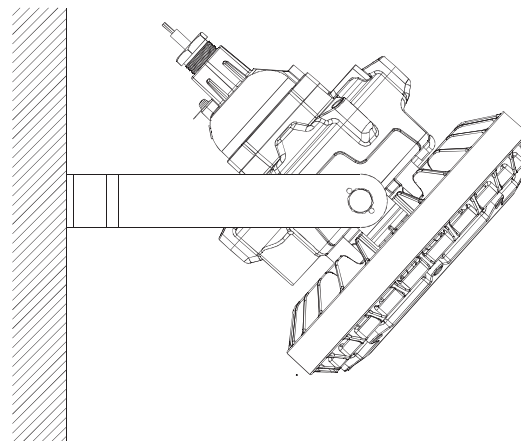
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INSTALLATION METHOD

A. Ceiling installation



B. Wall installation



Adjustable angle: 0–360 degrees