LED Anti-explosive Lights

UL844:   Class I Division 2   Group A B C D
ATEX: Group II Zone 1 & Zone 2, Zone21 & Zone22
IECEX: Group II Zone 1 & Zone 2, Zone21 & Zone22
CNEX: Group II Zone 1 & Zone 2, Zone21 & Zone22

FEATURES

1. High Efficacy low decay 700MA LED chip
2. High heat transmit die cast housing ADC12 aluminum, patent design, IP68
3. Shock and vibration resistant tempered glass, super clear 95% light transmit rate
4. Anti-glare.Scientific optical reflector design, making the light more focus,even, comfortable for eyes
5. Original Bridgelux LED source,high luminous efficacy and long lifespan
6. MEANWELL HLG series driver, the highest level of MEANWELL driver
7. Surface treatment-Powder painted, salt resistant and chemical resistant, also hard for dust to accumulate on the surface
8. 2.0mm aluminum PCB with heat index 2.5, keep LED working under cool temperature
9. Working temperature: -30 ℃ to 50 ℃.

Certification: ATEX, UL, CUL, DLC, PSE, SAA&C-TICK, CQC, CE, ROHS, IP68

APPLICATIONS

1. Suitable for gas station, petroleum and chemical industries, coal mine, military, airport, warehouse, marine etc.
2. Zone1 & Zone2 gaseous environment, and Zone21 & Zone22 dust environment.
3. Class I Division 2 Group A, B, C, D

Chemical Factory	Offshore Oil Mining	Military Ship	Army Base
Gas Station	Petrol Process Factory	Traning Camp	Navy Port

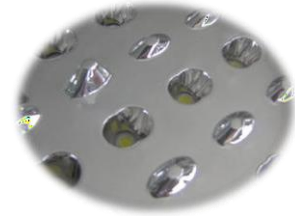http://www.cosmiclite.com

CosmicLite Professional LED Lighting

DETAILS

UL TUV CB EMC CE certified MW HLG series power driver, IP67 protective level, 7 years warranty.

The integration of reflective optical design,install directly in the light body, make the light more focus and comfortable for eyes.

High pressure die casting alloy aluminum housing, create through high pressure(1600 ton) in one piece,high explosion proof level and IP68 waterproof protection.

LED chip with 2.0mm thick Aluminum PCB board installed directly onto Aluminum Shell. As a result, the whole lamp is integrated as a radiator for the LED chips. Besides,the distance of LEDS are good enough for spreading heat, to ensure long lifespan, and with special circuit design, each LED chip won't affect the others when fail to work, so the lamp will keep working even if some LED chips stopped.

Explosion Proof LED Light

REP-J-40

- ➢ Material: Die Cast Aluminum
- ➢ Light Color option: 5700/4000/2700K
            Custom color
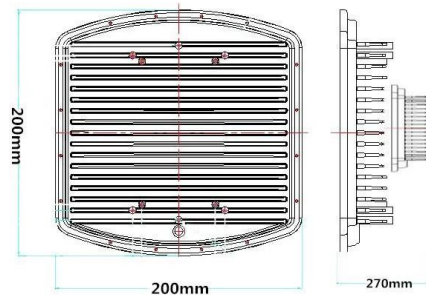- ➢ LENS: Super Clear Tempered Glass

ELECTRICAL CHARACTERISTICS

- ➢ Wide AC input: 90-305 VAC
- ➢ Power Factor: ~0.98
- ➢ Total Harmonic Distortion: < 10%
- ➢ Surge protection: IEC/EN 61000-4-5
- ➢ EMC test standard
- ➢ Meanwell HLG Series (Taiwan Excellence 2011 award).

30W Explosion Proof LED Light

DIMENSIONS

LENGTH :   200mm
WIDTH :   200mm
HEIGHT :   270mm
WEIGHT: 4 KG

LED LIGHT ENGINE

- ➢ High quality LM80 Certify Chip
- ➢ Efficacy : up to 150lm @ 350mA (per watt)
- ➢ Rated Life of 100,000+ hrs
- ➢ Operation temp: -30 ℃ to +50 ℃
- ➢ No toxic chemicals/Rohs compliant
- ➢ 70%-80%   saving compare to HPS/MH

PRODUCT FEATURE

- ➢ 5 years warranty
- ➢ Highest Ingress Protection rating : IP68

INSTALLATION

- ➢ Easy installation – plug and play
- ➢ Wall mount/Celing mount bracket
- ➢ Adjustable Angle

QUALIFICATION

- ➢ ATEX: Zone 1&Zone 2
- ➢ UL844 : Class 1, Division 2
- ➢ SAA&CTICK
- ➢ CE&ROHS
- ➢ LCP

Note	ITEM NO.	DESCRIPTION	TOTAL POWER	ANGLE	NOMINAL LUMENS	DRIVE CURRENT	# OF LEDS	SYSTEM EFFICACY
UL/CUL/PSE/SAA/CE Certify	REP-J40	Replacing 150w HPS	30	120	3480	350 mA	24	116 LM/W

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Explosion Proof LED Light

REP-J-100

- ➢ Material: Die Cast Aluminum
- ➢ Light Color option: 5700/4000/2700K
  Custom color
- ➢ LENS: Super Clear Tempered Glass

ELECTRICAL CHARACTERISTICS

- ➢ Driver: MW HLG Series
- ➢ Wide AC input: 90-305 VAC
- ➢ (UL marking: 100-240VAC/277VAC)
- ➢ Power Factor: ~0.98
- ➢ Total Harmonic Distortion: < 10%
- ➢ Surge protection: IEC/EN 61000-4-5
- ➢ EMC test standard

100W Explosion Proof LED Light

DIMENSIONS

LENGTH : 300mm

WIDTH : 300mm

HEIGHT : 175mm

WEIGHT: 7.5 KG

LED LIGHT ENGINE

- ➢ High quality LM80 Certify Chip
- ➢ Efficacy : up to 150lm @ 350mA (per watt)
- ➢ Rated Life of 100,000+ hrs
- ➢ Operation temp: -30 ℃ to +50 ℃
- ➢ No toxic chemicals/Rohs compliant
- ➢ 70%-80% saving compare to HPS/MH

PRODUCT FEATURE

- ➢ 5 years warranty
- ➢ Highest Ingress Protection rating : IP68
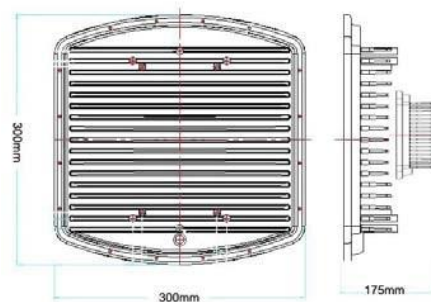
INSTALLATION

- ➢ Easy installation – plug and play
- ➢ Wall mount bracket

QUALIFICATION

- ➢ ATEX: Zone 1&Zone 2
- ➢ UL844 : Class 1, Division 2
- ➢ IECEx Pending
- ➢ DLC
- ➢ SAA&CTICK
- ➢ CE&ROHS
- ➢ LCP

Note	ITEM NO.	DESCRIPTION	TOTAL POWER	Reflector/ wide angle	NOMINAL LUMENS	DRIVE CURRENT	# OF LEDS	SYSTEM EFFICACY
UL/CUL/PSE/SAA/ CE Certify	REP-J100	Replacing 300-350w HPS	100	Wide Angle	11600	350 mA	84	116 LM/W

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Explosion Proof LED Light

REP-J-200

- ➤ Material: Die Cast Aluminum
- ➤ Light Color option: 5700/4000/2700K
                                              Custom color
- ➤ LENS: Super Clear Tempered Glass

ELECTRICAL CHARACTERISTICS

- ➤ Wide AC input: 90-305 VAC
- ➤ (UL marking: 100-240VAC/277VAC)
- ➤ Power Factor: ~0.98
- ➤ Total Harmonic Distortion: < 10%
- ➤ Surge protection: IEC/EN 61000-4-5
- ➤ EMC test standard

185W Explosion Proof LED Light

DIMENSIONS

LENGTH :   400mm

WIDTH :   400mm

HEIGHT :   185mm

WEIGHT: 12 KG

LED LIGHT ENGINE

- ➤ High quality LM80 Certify Chip
- ➤ Efficacy : up to 150lm @ 350Ma (per watt)
- ➤ Rated Life of 100,000+ hrs
- ➤ Operation temp: -30 ℃ to +50 ℃
- ➤ No toxic chemicals/Rohs compliant
- ➤ 70%-80%   saving compare to HPS/MH
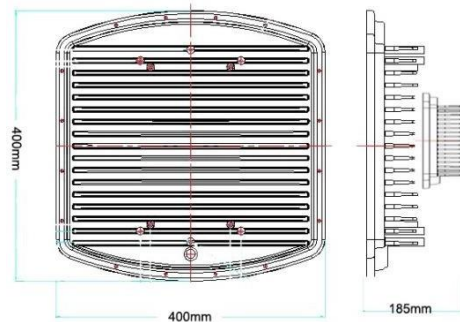
PRODUCT FEATURE

- ➤ 5 years warranty
- ➤ Highest Ingress Protection rating : IP68

INSTALLATION

- ➤ Easy installation – plug and play
- ➤ Wall Mount bracket/Ceiling Mount Bracket

QUALIFICATION

- ➤ ATEX: Zone 1&Zone 2
- ➤ UL844 : Class 1, Division 2
- ➤ IECEx
- ➤ DLC
- ➤ SAA&CTICK
- ➤ CE&ROHS
- ➤ LCP

Note	ITEM NO.	DESCRIPTION	TOTAL POWER	Reflector/ wide angle	NOMINAL LUMENS	DRIVE CURRENT	# OF LEDS	SYSTEM EFFICACY
UL/CUL/PSE/SAA/ CE Certify	REP-J200	Replacing 700-1000w HPS	180	wide angle	20880	350 mA	156	116 LM/W

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Explosion Proof LED Light

REP-L-80

- ➢ Material: Die Cast Aluminum
- ➢ Light Color option: 6500/4000/2700K
                        Custom color
- ➢ LENS: Super Clear Tempered Glass

ELECTRICAL CHARACTERISTICS

- ➢ Driver: MW HLG Series
- ➢ Wide AC input: 100-305 VAC
- ➢ (UL marking: 100-240VAC/277VAC)
- ➢ Power Factor: ~0.98
- ➢ Total Harmonic Distortion: < 10%
- ➢ Surge protection: IEC/EN 61000-4-5
- ➢ EMC test standard

80W Explosion Proof LED Light
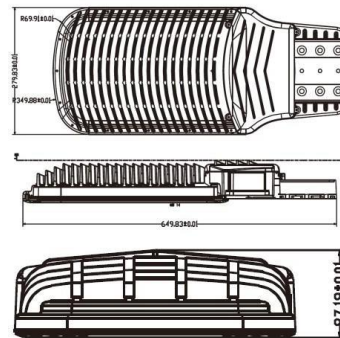
DIMENSIONS

LENGTH :   650mm

WIDTH :   280mm

HEIGHT :   90mm

WEIGHT: 11 KG

LED LIGHT ENGINE

- ➢ High quality LM80 Certify Chip
- ➢ Efficacy : up to 150lm @ 350mA (per watt)
- ➢ Rated Life of 100,000+ hrs
- ➢ Operation temp: -30 ℃ to +50 ℃
- ➢ No toxic chemicals/Rohs compliant
- ➢ 70%-80%   saving compare to HPS/MH

PRODUCT FEATURE

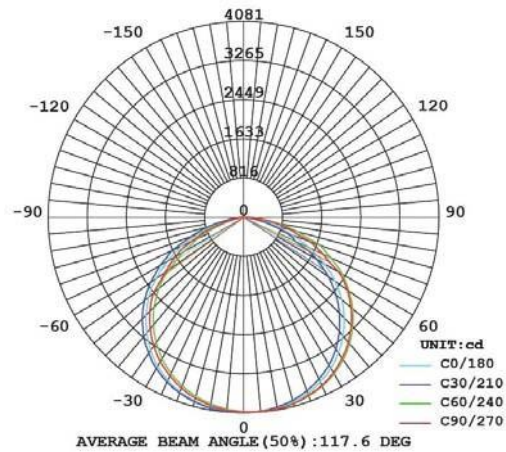- ➢ 5 years warranty
- ➢ Highest Ingress Protection rating : IP68

INSTALLATION

- ➢ Easy installation – plug and play
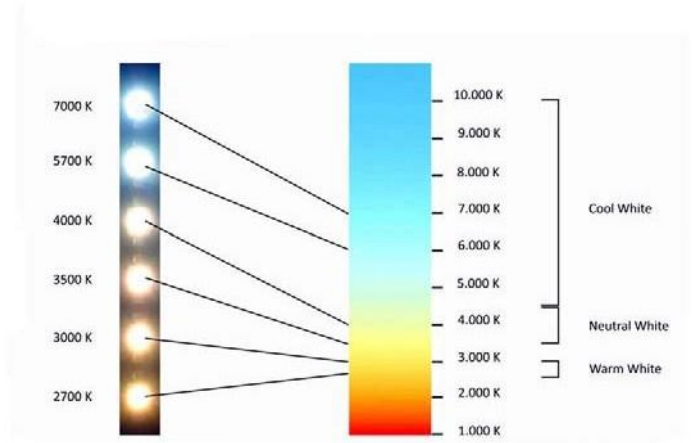- ➢ Street Light bracket

QUALIFICATION

- ➢ ATEX: Zone 1&Zone 2
- ➢ UL844 : Class 1, Division 2
- ➢ IECEx Pending
- ➢ DLC
- ➢ SAA&CTICK
- ➢ CE&ROHS

Note	ITEM NO.	DESCRIPTION	TOTAL POWER	Reflector/ wide angle	NOMINAL LUMENS	DRIVE CURRENT	# OF LEDS	SYSTEM EFFICACY
UL/CUL/PSE/SAA/ CE Certify	REP-L-80	Replacing 200-250w HPS	80	120*80	8000	350 mA	60	100 LM/W

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PHOTOMETRIC CURVE

COLOR TEMPERATURE

AVERAGE BEAM ANGLE(50%):117.6 DEG

UNIT:cd
C0/180
C30/210
C60/240
C90/270

120°x120° (40W/100W/185W)

INSTALLATION

A. Ceiling Mount

B. Drop Mounting

C. Wall Mount

D. Wall Mount

E. U-Bracket Mounting

F. Pole Mount

G. Pole Mount
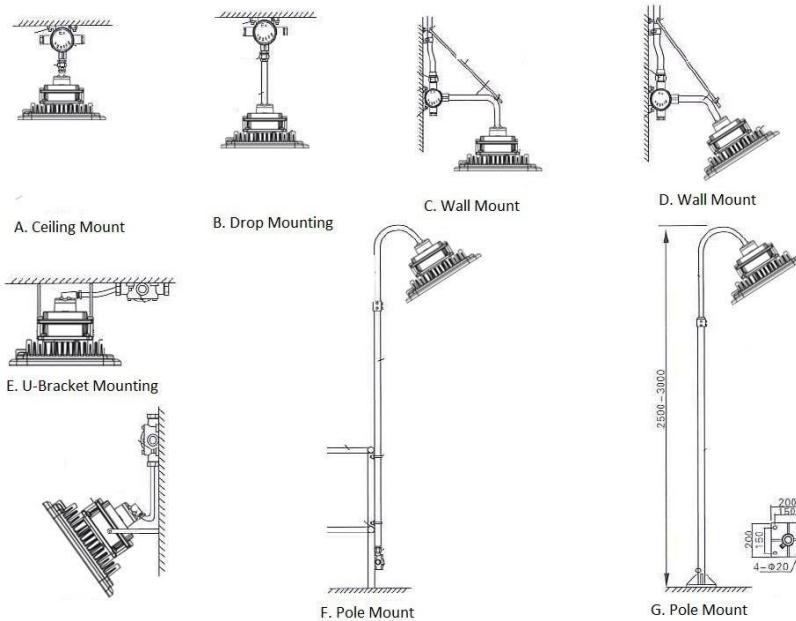
- Fixture is equip with Bracket
- Connection outlet conduit: 3/4" NPT
- Conduit and pole are not included in products.
- All installation must conduct by qualify electrician.
- Seal must be placed in each conduit

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MOUTING KITS OPTIONS

1. U shaped bracket

2. Adjustable Wall/Ceiling Mount Plate

3. High bay mount hook

4.Street Light Bracket

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