



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-30WXYZD1-abcd

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **30W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be E.
5. Where **"Y"** stands for Diffuser type, can be "S6" to "S9", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only, "SS" represents clear striped spherical glass or "US" represents U-shaped glass..
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard" .
7. The Letter **D1** in P/N stands for input voltage 120-277VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "U" or blank, represents "with bracket" or "without bracket" .
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.

Advantage:

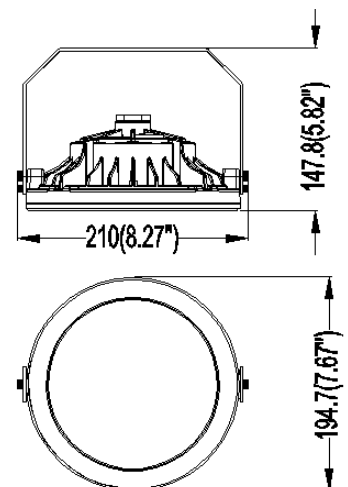
- UL cUL certificate.
- IP66 driver, input voltage 100-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CI D2 Groups A,B,C,D.T4A
- UL 844.
- UL 1598.
- UL 8750.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.



Product Specifications

Product name	Hazardous Location LED Round Light
Part No	AL-EPLR02-30WXYZD1-abcd
Dimension	210x194.7x147.8 mm 8.27" x7.67" x5.82"

Technical Characteristic

Color temperature	3000 - 6500K			
CRI	>80			
Cover	clear glass	clear glass + wire guard	clear striped spherical glass	clear striped spherical glass + wire guard
Lumen	4063LM	3697LM	3633LM	3306LM
Lumen Efficacy	135 LM/W	123 LM/W	122 LM/W	111 LM/W
Viewing Angle	110°	110°	120°	120°
Cover	Clear glass+lens	U-shaped glass	U-shaped glass+ U-shaped wire guard	
Lumen	3900LM	3743LM	3406LM	
Lumen Efficacy	130LM/W	126LM/W	115 LM/W	
Viewing Angle	80°	120°	120°	
Input Power	30W			
Input Voltage	120-277VAC 50/60Hz			
Driver Brand	China Brand Driver (HBE HB-EPLR030-45, L/N-PE: 10KV L-N: 6KV)			
PF	>0.9			
THD	≤20%			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D,T4A;			

Materials

LED Brand/ LED Type	Lumileds / SMD 2835 (1W)
LED QTY	84 PCS
Housing	Aluminum Alloy
Housing color	Any Colors
Cover	Clear Glass or Clear Striped Spherical Glass or U-shaped glass

Others

Operating Temperature	-40°C TO 55°C
Operating Humidity	10%-90% RH
Storage Temperature	-40°C TO 80°C
Storage Humidity	10%-95% RH
Application	Indoor/Outdoor
Safety Certification	UL/cUL
Warranty Time	5 Years

Light Distribution Testing Parameters

Luminaire Property

Luminaire Manufacturer:

Voltage: 120.8 V

Power: 31.99 W

Current: 0.269 A

Power Factor: 0.986

Photometric Results

CIE Class: Direct

Measurement Flux: 4220 lm

Downward Ratio: 97%

Horizontal Diffuse Angle(10%,50%): H164.8,H125.6

Vertical Diffuse Angle(10%,50%): V165.3,V125.3

Luminaire Efficacy Rating (LER): 131.96

Max. Intensity: 1230.17 cd

S/MH(C0/C180): 1.43

Total Rated Lamp Lumens: 4220.0 lm

Efficiency: 100%

Upward Ratio: 3%

Central Intensity: 1215.42 cd

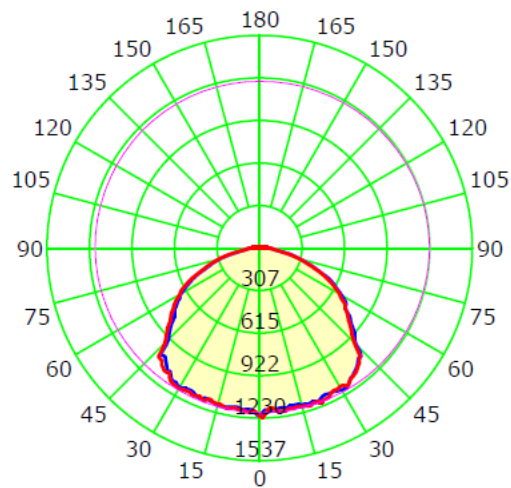
Pos of Max. Intensity: H90 V1

S/MH(C90/C270): 1.44

Picture Of Luminaire



Luminous Intensity Distribution Curve



Optional Accessory



Clear glass



Clear striped
spherical glass



Bracket



Wire guard



U-shaped
glass



U-shaped
wire guard

Package

		clear glass + wire guard	clear striped spherical glass + wire guard	U-shaped glass+ U-shaped wire guard
Lamps Net Weight		1.6kg	2kg	2.5kg
	Carton Size	470*470*193mm	470*470*230mm	470*470*335mm
	Qty/ Carton	4 PCS		
	Weight/Carton	7.5kg	9.5kg	11.5kg

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-60WXYZD1-abcd

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **60W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be E.
5. Where **"Y"** stands for Diffuser type, can be "S6" to "S9", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only, "SS" represents clear striped spherical glass or "US" represents U-shaped glass..
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard" .
7. The Letter **D1** in P/N stands for input voltage 120-277VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "U" or blank, represents "with bracket" or "without bracket" .
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.

Advantage:

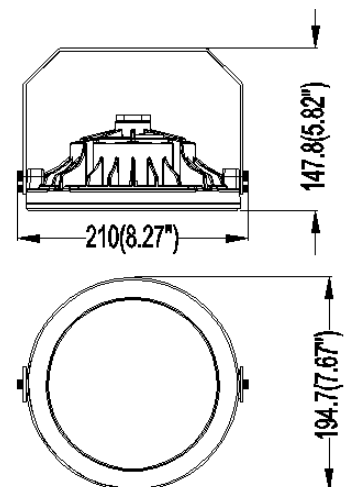
- UL cUL certificate.
- IP66 driver, input voltage 100-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CI D2 Groups A,B,C,D.T4A
- UL 844.
- UL 1598.
- UL 8750.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.



Product Specifications

Product name	Hazardous Location LED Round Light
Part No	AL-EPLR02-60WXYZD1-abcd
Dimension	210x194.7x147.8 mm 8.27" x7.67" x5.82"

Technical Characteristic

Color temperature	3000 - 6500K			
CRI	>80			
Cover	clear glass	clear glass + wire guard	clear striped spherical glass	clear striped spherical glass + wire guard
Lumen	8400M	7680LM	7680LM	6900LM
Lumen Efficacy	140 LM/W	128 LM/W	128 LM/W	115 LM/W
Viewing Angle	110°	110°	120°	120°
Cover	Clear glass+lens	U-shaped glass	U-shaped glass+U-shaped wire guard	
Lumen	8100LM	6900LM	6300LM	
Lumen Efficacy	135LM/W	115LM/W	105 LM/W	
Viewing Angle	80°	120°	120°	
Input Power	60W			
Input Voltage	120-277VAC 50/60Hz			
Driver Brand	China Brand Driver (HBE HB-EPLR060-65,L/N-PE: 10KV L-N: 6KV)			
PF	>0.9			
THD	≤20%			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T4A;			

Materials

LED Brand/ LED Type	Lumileds / SMD 2835 (1W)
LED QTY	210 PCS
Housing	Aluminum Alloy
Housing color	Any Colors
Cover	Clear Glass or Clear Striped Spherical Glass or U-shaped glass

Others

Operating Temperature	-40°C TO 55°C
Operating Humidity	10%-90% RH
Storage Temperature	-40°C TO 80°C
Storage Humidity	10%-95% RH
Application	Indoor/Outdoor
Safety Certification	UL/cUL
Warranty Time	5 Years

Light Distribution Testing Parameters

Luminaire Property

Luminaire Manufacturer:

Voltage: 120.8 V

Power: 61.38 W

Current: 0.513 A

Power Factor: 0.990

Photometric Results

CIE Class: Direct

Measurement Flux: 8514.2 lm

Downward Ratio: 97%

Horizontal Diffuse Angle(10%,50%): H161.9,H121.7

Vertical Diffuse Angle(10%,50%): V162.2,V123

Luminaire Efficacy Rating (LER): 138.76

Max. Intensity: 2626.5 cd

S/MH(C0/C180): 1.42

Total Rated Lamp Lumens: 8514.2 lm

Efficiency: 100%

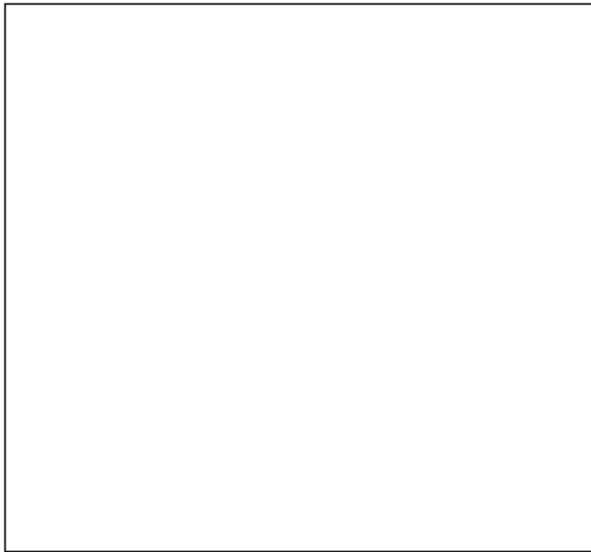
Upward Ratio: 3%

Central Intensity: 2577.63 cd

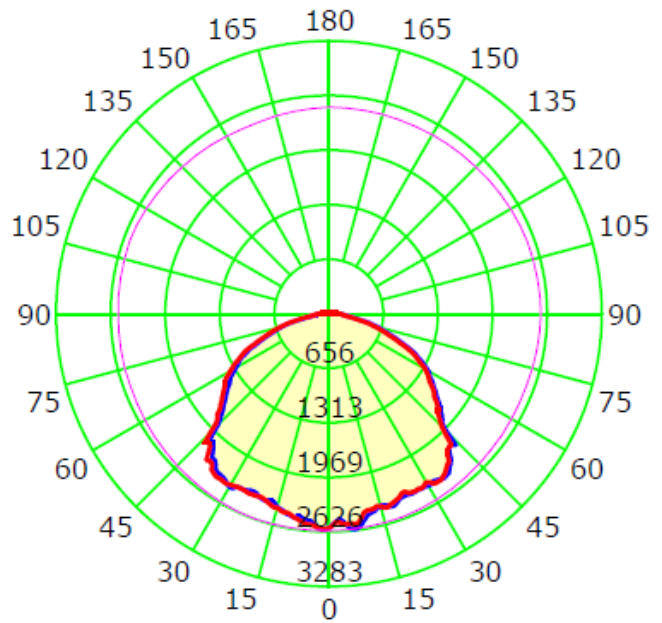
Pos of Max. Intensity: H337.5 V7

S/MH(C90/C270): 1.42

Picture Of Luminaire



Luminous Intensity Distribution Curve

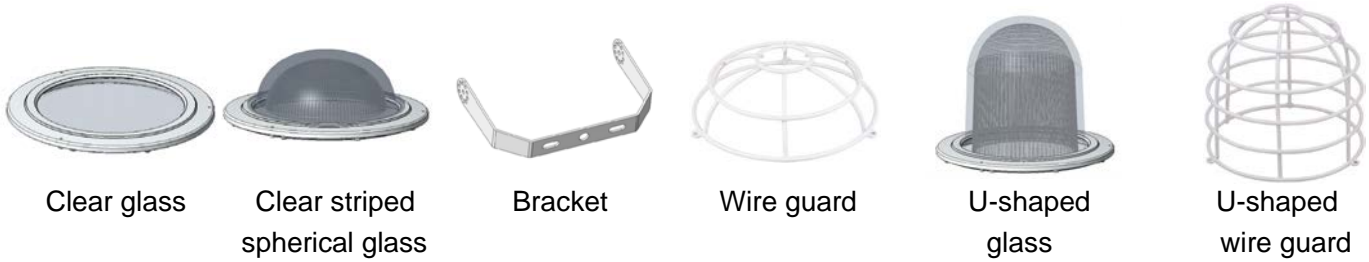


Unit: cd

Average Diffuse Angle(50%): 122.2°

— C0-C180 — C90-C270 — G7

Optional Accessory



Package

		clear glass + wire guard	clear striped spherical glass + wire guard	U-shaped glass+ U-shaped wire guard
Lamps Net Weight		1.6kg	2kg	2.5kg
	Carton Size	470*470*193mm	470*470*230mm	470*470*335mm
	Qty/ Carton	4 PCS		
	Weight/Carton	7.5kg	9.5kg	11.5kg

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-100WXYZD1-abcd

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **100W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be E.
5. Where **"Y"** stands for Diffuser type, can be "S6" to "S9", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only, "SS" represents clear striped spherical glass.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard" .
7. The Letter **D1** in P/N stands for input voltage 120-277VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "U" or blank, represents "with bracket" or "without bracket" .
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.

Advantage:

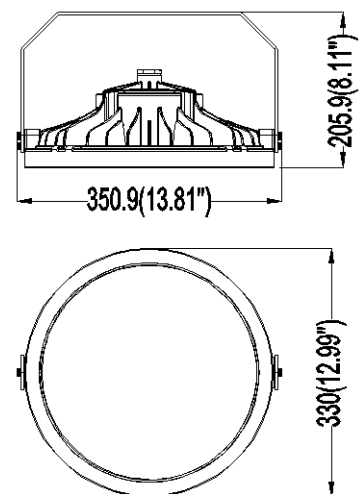
- UL cUL certificate.
- IP66 driver, input voltage 100-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.

CERTIFICATIONS:

- CI D2 Groups A,B,C,D.T5
- UL 844.
- UL 1598.
- UL 8750.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.



Product Specifications

Product name	Hazardous Location LED Round Light
Part No	AL-EPLR02-100WXYZD1-abcd
Dimension	350.9x205.9x330 mm 13.81" x8.11" x12.99"

Technical Characteristic

Color temperature	3000 - 6500K			
CRI	>80			
Cover	clear glass	clear glass + wire guard	clear striped spherical glass	clear striped spherical glass + wire guard
Lumen	14063 LM	12797 LM	13236 LM	12045LM
Lumen Efficacy	141 LM/W	128 LM/W	133 LM/W	121 LM/W
Viewing Angle	110°	110°	120°	120°
Cover	Clear glass+lens			
Lumen	13500 LM			
Lumen Efficacy	135 LM/W			
Viewing Angle	80°			
Input Power	100W			
Input Voltage	120-277VAC 50/60Hz			
Driver Brand	China Brand Driver (HBE HB-EPLR100-60,L/N-PE: 10KV L-N: 10KV)			
PF	>0.9			
THD	≤20%			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T5;			

Materials

LED Brand/ LED Type	Lumileds / SMD 2835 (1W)
LED QTY	330 PCS
Housing	Aluminum Alloy
Housing color	Any Colors
Cover	Clear Glass or Clear Striped Spherical Glass

Others

Operating Temperature	-40°C TO 55°C
Operating Humidity	10%-90% RH
Storage Temperature	-40°C TO 80°C
Storage Humidity	10%-95% RH
Application	Indoor/Outdoor
Safety Certification	UL/cUL
Warranty Time	5 Years

Light Distribution Testing Parameters

Luminaire Property

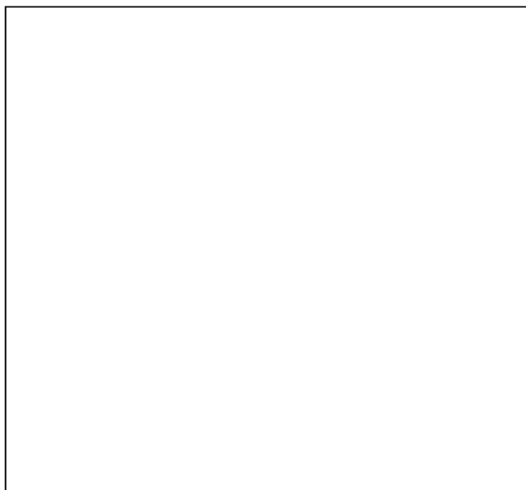
Luminaire Manufacturer:
Voltage: 121.0 V
Power: 102.90 W

Current: 0.853 A
Power Factor: 0.997

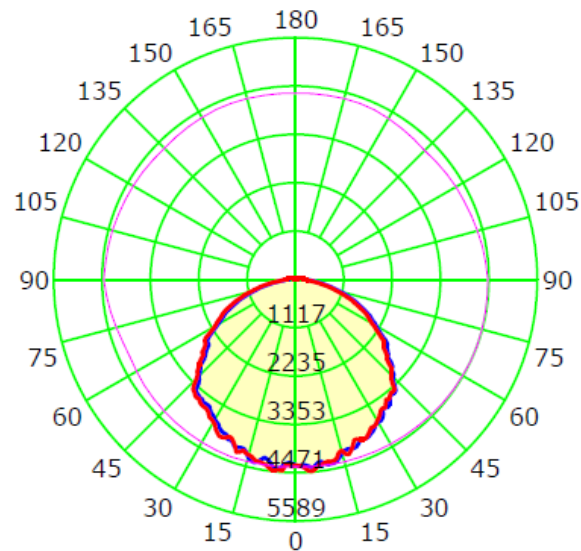
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 14155.0 lm
Measurement Flux: 14155 lm	Efficiency: 100%
Downward Ratio: 96%	Upward Ratio: 4%
Horizontal Diffuse Angle(10%,50%): H166.1,H117.9	
Vertical Diffuse Angle(10%,50%): V166,V117	
Luminaire Efficacy Rating (LER): 137.61	Central Intensity: 4291.51 cd
Max. Intensity: 4471.21 cd	Pos of Max. Intensity: H67.5 V4
S/MH(C0/C180): 1.31	S/MH(C90/C270): 1.30

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 117.2°

— C0-C180 — C90-C270 — G4

Optional Accessory



Clear glass



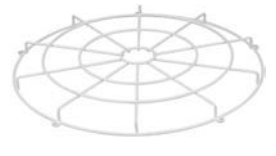
Clear striped
spherical glass



Bracket



Wire guard



Flat wire guard

Package

		clear glass + wire guard	clear striped spherical glass + wire guard
Lamps Net Weight		6.2kg	6.8kg
	Carton Size	400*400*218mm	400*400*285mm
	Qty/ Carton	1 PCS	
	Weight/Carton	7.1kg	7.9kg

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-150WXYZD1-abcd

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **150W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be E.
5. Where **"Y"** stands for Diffuser type, can be "S6" to "S9", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only, "SS" represents clear striped spherical glass.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard" .
7. The Letter **D1** in P/N stands for input voltage 120-277VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "U" or blank, represents "with bracket" or "without bracket" .
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.

Advantage:

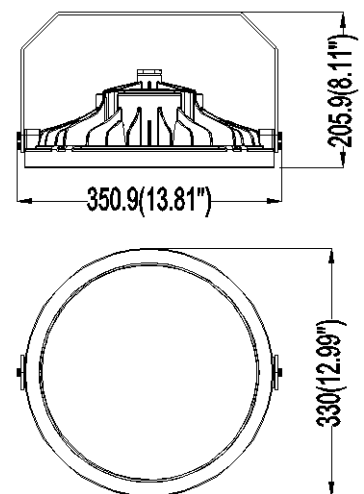
- UL cUL certificate.
- IP66 driver, input voltage 100-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CID2 Groups A,B,C,D.T4A
- UL 844.
- UL 1598.
- UL 8750.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.



Product Specifications

Product name	Hazardous Location LED Round Light
Part No	AL-EPLR02-150WXYZD1-abcd
Dimension	350.9x205.9x330 mm /13.81 " x8.11 " x12.99 "

Technical Characteristic

Color temperature	3000 - 6500K			
CRI	>80			
Cover	clear glass	clear glass + wire guard	clear striped spherical glass	clear striped spherical glass + wire guard
Lumen	21094LM	19195LM	19733LM	17957LM
Lumen Efficacy	141 LM/W	128 LM/W	132 LM/W	120LM/W
Viewing Angle	110°	110°	120°	120°
Cover	Clear glass+lens			
Lumen	20250LM			
Lumen Efficacy	135 LM/W			
Viewing Angle	80°			
Input Power	150W			
Input Voltage	120-277VAC 50/60Hz			
Driver Brand	China Brand Driver (HBE HB-EPLR150-55,L/N-PE: 10KV L-N: 10KV)			
PF	>0.9			
THD	≤20%			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T4A;			

Materials

LED Brand/ LED Type	Lumileds / SMD 2835 (1W)
LED QTY	498 PCS
Housing	Aluminum Alloy
Housing color	Any Colors
Cover	Clear Glass or Clear Striped Spherical Glass

Others

Operating Temperature	-40°C TO 55°C
Operating Humidity	10%-90% RH
Storage Temperature	-40°C TO 80°C
Storage Humidity	10%-95% RH
Application	Indoor/Outdoor
Safety Certification	UL/cUL
Warranty Time	5 Years

Light Distribution Testing Parameters

Luminaire Property

Luminaire Manufacturer:

Voltage: 121.3 V

Power: 151.40 W

Current: 1.251 A

Power Factor: 0.997

Photometric Results

CIE Class: Direct

Measurement Flux: 20863.5 lm

Downward Ratio: 96%

Horizontal Diffuse Angle(10%,50%): H166.9,H117.5

Vertical Diffuse Angle(10%,50%): V166.6,V116.5

Luminaire Efficacy Rating (LER): 137.85

Max. Intensity: 6522.9 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 20863.5 lm

Efficiency: 100%

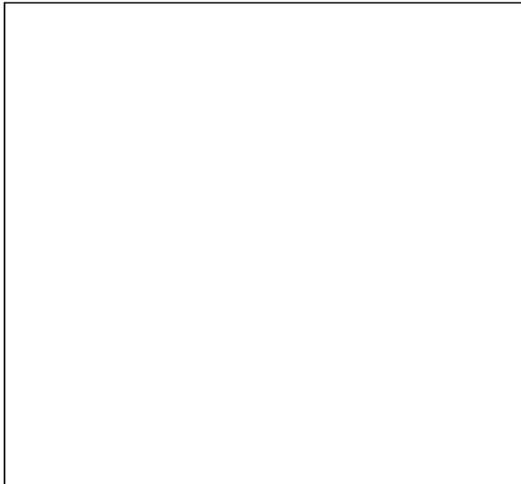
Upward Ratio: 4%

Central Intensity: 6464.79 cd

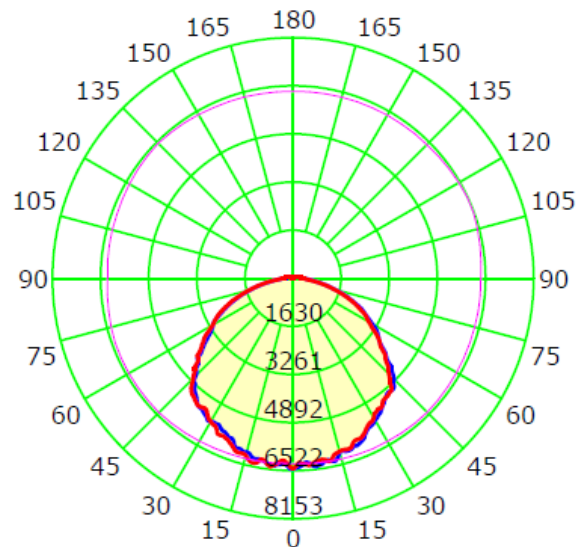
Pos of Max. Intensity: H112.5 V5

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 117.0°

— C0-C180 — C90-C270 — G5

Optional Accessory



Clear glass



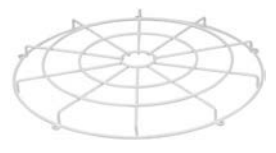
Clear striped
spherical glass



Bracket



Wire guard



Flat wire guard

Package

		clear glass + wire guard	clear striped spherical glass + wire guard
Lamps Net Weight		6.2kg	6.8kg
	Carton Size	400*400*218mm	400*400*285mm
	Qty/ Carton	1 PCS	
	Weight/Carton	7.1kg	7.9kg

Notice For User

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- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
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Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-150WXYZH1-abcd

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **150W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be E.
5. Where **"Y"** stands for Diffuser type, can be "S6" to "S9", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only, "SS" represents clear striped spherical glass.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard" .
7. The Letter **H1** in P/N stands for input voltage 277-480VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "U" or blank, represents "with bracket" or "without bracket" .
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.

Advantage:

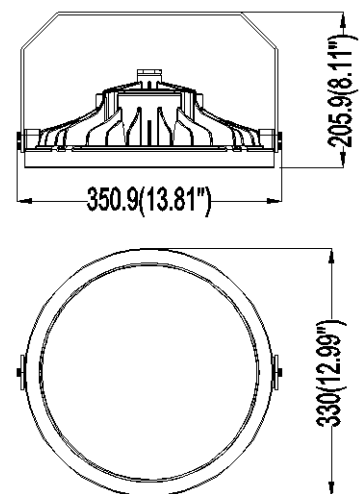
- UL cUL certificate.
- IP66 driver, input voltage 100-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CID2 Groups A,B,C,D.T4A
- UL 844.
- UL 1598.
- UL 8750.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.





TECHNICAL DATA SHEET

Product Specifications

Product name	Hazardous Location LED Round Light
Part No	AL-EPLR02-150WXYZD1-abcd
Dimension	350.9x205.9x330 mm 13.81" x8.11" x12.99"

Technical Characteristic

Color temperature	3000 - 6500K			
CRI	>80			
Cover	clear glass	clear glass + wire guard	clear striped spherical glass	clear striped spherical glass + wire guard
Lumen	21094LM	19195LM	19733LM	17957LM
Lumen Efficacy	141 LM/W	128 LM/W	132 LM/W	120LM/W
Viewing Angle	110°	110°	120°	120°
Cover	Clear glass+lens			
Lumen	20250LM			
Lumen Efficacy	135 LM/W			
Viewing Angle	80°			
Input Power	150W			
Input Voltage	277-480VAC 50/60Hz			
Driver Brand	China Brand Driver (HBE HB-EPLR150H-55,L/N-PE: 10KV L-N: 10KV)			
PF	>0.9			
THD	≤20%			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T4A;			

Materials

LED Brand/ LED Type	Lumileds / SMD 2835 (1W)
LED QTY	498 PCS
Housing	Aluminum Alloy
Housing color	Any Colors
Cover	Clear Glass or Clear Striped Spherical Glass

Others

Operating Temperature	-40°C TO 55°C
Operating Humidity	10%-90% RH
Storage Temperature	-40°C TO 80°C
Storage Humidity	10%-95% RH
Application	Indoor/Outdoor
Safety Certification	UL/cUL
Warranty Time	5 Years

Light Distribution Testing Parameters

Luminaire Property

Luminaire Manufacturer:

Voltage: 121.3 V

Power: 151.40 W

Current: 1.251 A

Power Factor: 0.997

Photometric Results

CIE Class: Direct

Measurement Flux: 20863.5 lm

Downward Ratio: 96%

Horizontal Diffuse Angle(10%,50%): H166.9,H117.5

Vertical Diffuse Angle(10%,50%): V166.6,V116.5

Luminaire Efficacy Rating (LER): 137.85

Max. Intensity: 6522.9 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 20863.5 lm

Efficiency: 100%

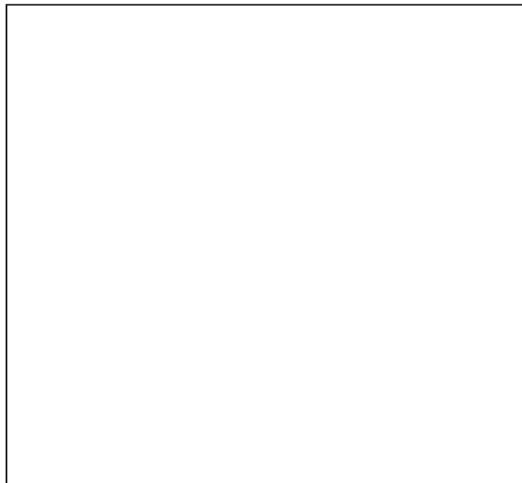
Upward Ratio: 4%

Central Intensity: 6464.79 cd

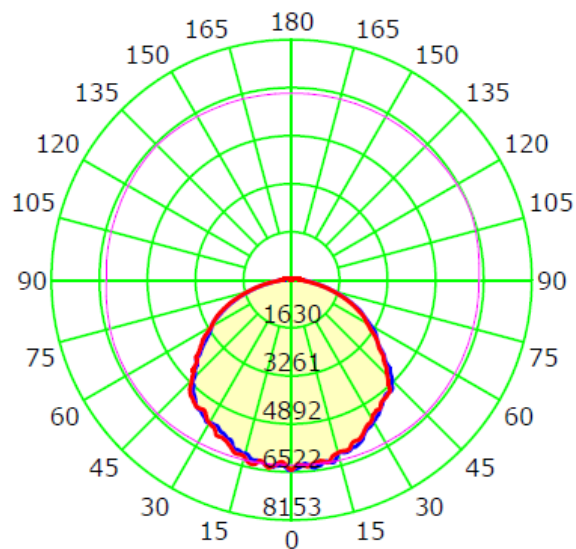
Pos of Max. Intensity: H112.5 V5

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270 — G5

Optional Accessory



Clear glass



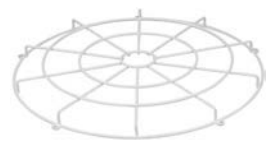
Clear striped
spherical glass



Bracket



Wire guard



Flat wire guard

Package

		clear glass + wire guard	clear striped spherical glass + wire guard
Lamps Net Weight		6.2kg	6.8kg
	Carton Size	400*400*218mm	400*400*285mm
	Qty/ Carton	1 PCS	
	Weight/Carton	7.1kg	7.9kg

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-200WXYZD1-abcde

Note:

1. The Letter AL in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **200W** in P/N stands for Rating Power.
4. Where "**X**" stands for LED manufactory, can be S.
5. Where "**Y**" stands for Diffuser type, can be "S1" to "S9", "S12", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only.
6. Where "**Z**" can be "S" or blank, represents "with Wire Guard" or "without Wire Guard".
7. The Letter **D1** in P/N stands for input voltage 100-277VAC.
8. Where "**a**" can be any two letters to represent color of luminaire.
9. Where "**b**" can be "CM", "CM2", "TM", "PM", "HM" or "BM", represents Mounting type.
10. Where "**c**" can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where "**d**" can be 30, 40, 50, 57, 65 to represent CCT.
12. Where "**e**" can be "W" or blank for Power Control provided or not.

Advantage:

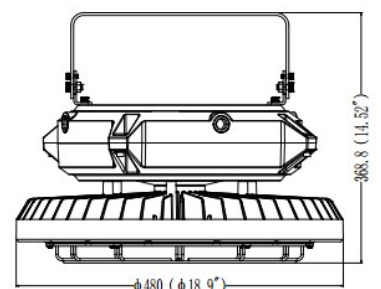
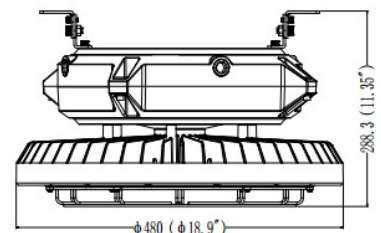
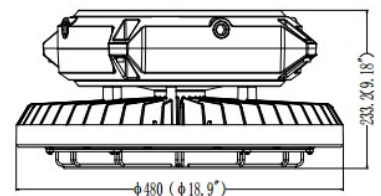
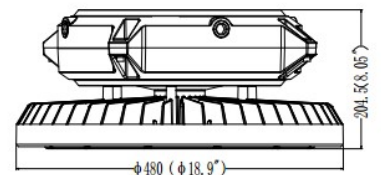
- ETL certificate.
- IP66 driver, input voltage 100-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CID2 Groups A, B, C, D, T5 (60°C)
- UL 844.
- UL 1598.
- UL 8750.
- UL 1598A.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.



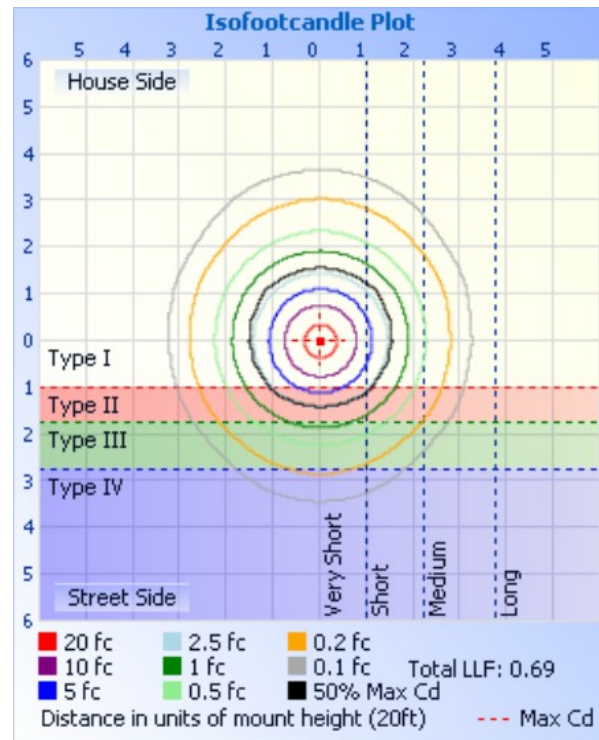
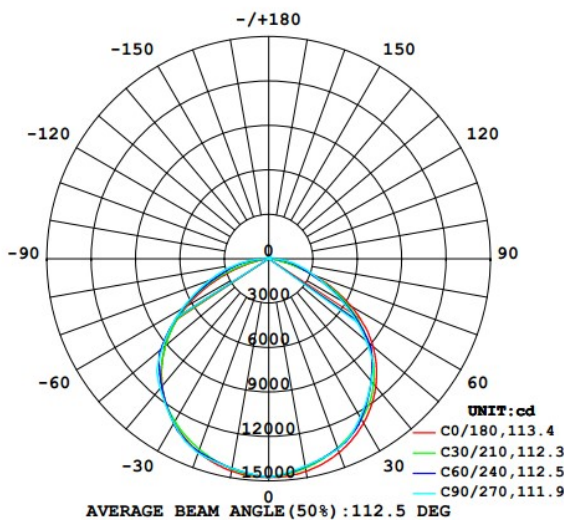
Light Distribution Testing Parameters

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.34V I:2.0774A P:249.40W PF:0.9976 Freq:59.99Hz Lamp Flux:41818.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 167.68 lm/W			
MODEL		Imax(cd)	14760	η street_up(%)	0.5
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	48.0
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	41818	η house_up(%)	0.5
NOMINAL FLUX(lm)	41818.2	MAXIMUM @ (C, γ)	355,0.0	η house_down(%)	51.1
LAMPS INSIDE	1	η up(%)	1.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	99.0	SLI	22.689

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Package

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
CM/TM/HM	570*570*320 MM	1 PC	16.2 KG	18.3 KG
CM2	570*570*380 MM	1 PC	16.9 KG	19.1 KG
PM/BM	570*570*460 MM	1 PC	17.4 KG	20.1 KG

Tolerance of Carton Size: ± 15 mm [± 0.59 inch], Tolerance of Weight: $\pm 10\%$.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-200WXYZH1-abcde

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **200W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be S.
5. Where **"Y"** stands for Diffuser type, can be "S1" to "S9", "S12", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard".
7. The Letter **H1** in P/N stands for input voltage 277-480VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "CM", "CM2", "TM", "PM", "HM" or "BM", represents Mounting type.
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.
12. Where **"e"** can be "W" or blank for Power Control provided or not.

Advantage:

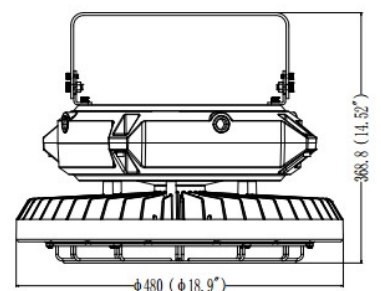
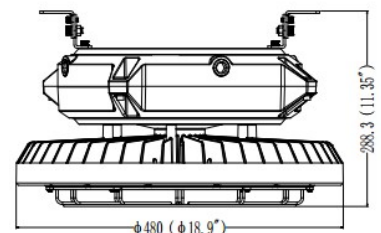
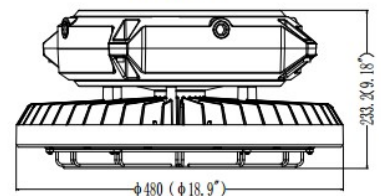
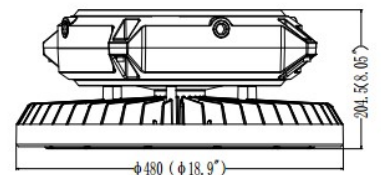
- ETL certificate.
- IP66 driver, input voltage 277-480VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CID2 Groups A, B, C, D, T5 (60°C)
- UL 844.
- UL 1598.
- UL 8750.
- UL 1598A.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.



Specifications

Optical				
Input Power (Tolerance : ±10%)	200W			
Color Temperature	3000-6500K			
Diffuser Type	Glass+PC Lens	Glass+PC Lens +wire guard	Glass	Glass+wire guard
Lumen (Tolerance : ±10%)(5000K)	32600 LM	30000 LM	33400 LM	31600 LM
Efficacy (Tolerance : ±3%)(5000K)	163 LM/W	150 LM/W	167LM/W	158 LM/W
Beam Angle (50%) (Tolerance : ± 15%)	90°	90°	120°	120°
CRI	>80			
Color Consistency	< 6 Steps (or <6 SDCM)			
UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
Electrical				
Input Voltage and Frequency	277-480VAC, 50/60Hz			
PF (Tolerance : -3%)	≥0.9			
THD (Tolerance : +5%)	≤20%			
Flicker Percent	<5%			
Driver Brand	SOSEN			
Driver Model	SS-240M-228BH			
Driver Surge protection	L/N-PE: 10kV, L-N: 6kV			
Dimming	0-10V dimming standard			
Materials				
LED Brand	Lumileds			
LED Type	SMD 2835			
LED QTY	864 PCS			
Housing	Aluminum			
Housing Color	Gray			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T5;			
Others				
Operating Temperature	-40℃ TO 60℃			
Storage Temperature	-40℃ TO 90℃			
Operating Humidity	10% - 90% RH			
Storage Humidity	5% - 95% RH			
Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃			

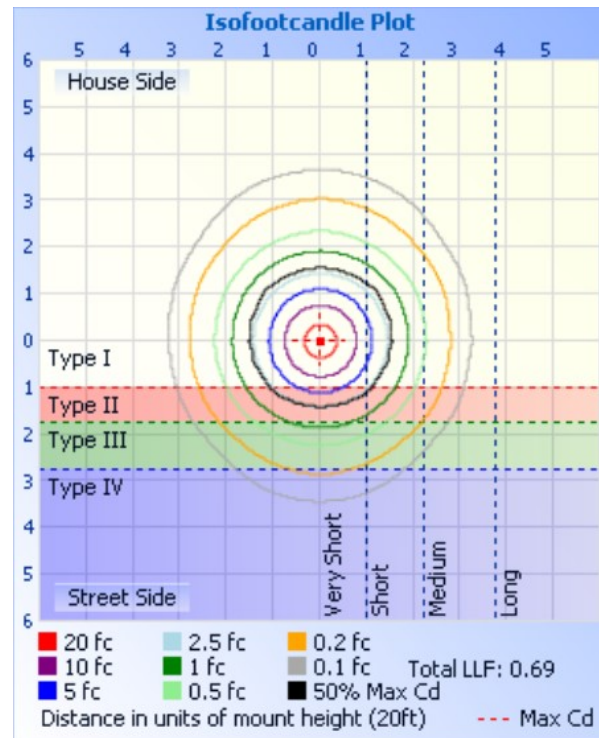
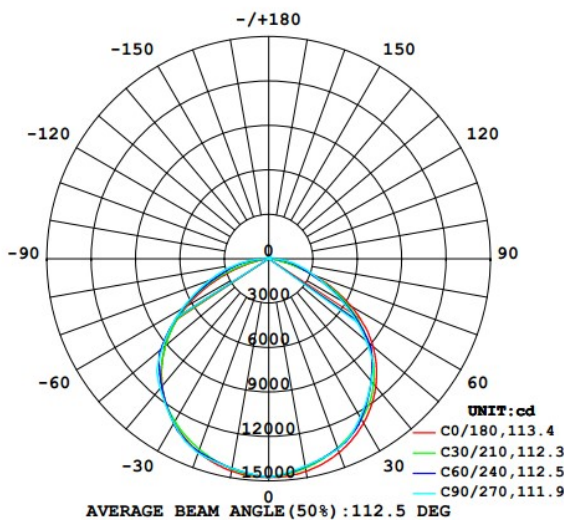
Light Distribution Testing Parameters

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.34V I:2.0774A P:249.40W PF:0.9976 Freq:59.99Hz Lamp Flux:41818.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 167.68 lm/W			
MODEL		Imax(cd)	14760	η street_up(%)	0.5
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	48.0
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	41818	η house_up(%)	0.5
NOMINAL FLUX(lm)	41818.2	MAXIMUM @ (C, γ)	355,0.0	η house_down(%)	51.1
LAMPS INSIDE	1	η up(%)	1.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	99.0	SLI	22.689

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

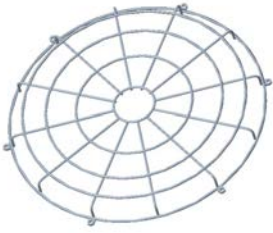


Package

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
CM/TM/HM	570*570*320 MM	1 PC	16.2 KG	18.3 KG
CM2	570*570*380 MM	1 PC	16.9 KG	19.1 KG
PM/BM	570*570*460 MM	1 PC	17.4 KG	20.1 KG

Tolerance of Carton Size: ± 15 mm [± 0.59 inch], Tolerance of Weight: $\pm 10\%$.

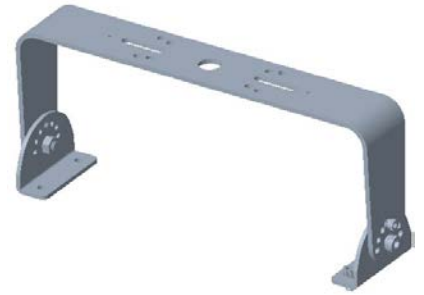
Optional Accessory



Wire guard



CM2-Bracket ceiling mount



BM-bracket wall mounting



PM-Installation mode of road lamp pole



HM-Hchain mount

PM-Installation mode of road lamp pole

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-240WXYZD1-abcde

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **240W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be S.
5. Where **"Y"** stands for Diffuser type, can be "S1" to "S9", "S12", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard".
7. The Letter **D1** in P/N stands for input voltage 100-277VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "CM", "CM2", "TM", "PM", "HM" or "BM", represents Mounting type.
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.
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Advantage:

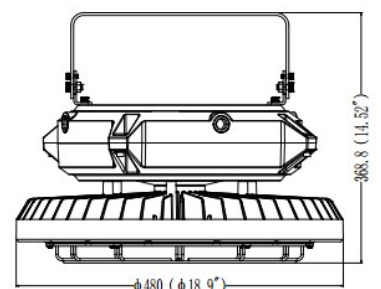
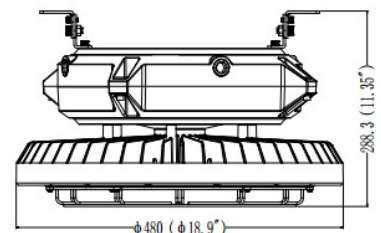
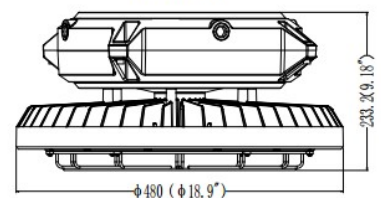
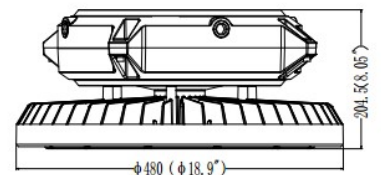
- ETL certificate.
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- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CID2 Groups A, B, C, D, T5 (55°C)
- UL 844.
- UL 1598.
- UL 8750.
- UL 1598A.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.



Specifications

Optical				
Input Power (Tolerance : ±10%)	240W			
Color Temperature	3000-6500K			
Diffuser Type	Glass+PC Lens	Glass+PC Lens +wire guard	Glass	Glass+wire guard
Lumen (Tolerance : ±10%)(5000K)	38400 LM	36000 LM	39600 LM	37920 LM
Efficacy (Tolerance : ±3%)(5000K)	163 LM/W	150 LM/W	167LM/W	158 LM/W
Beam Angle (50%) (Tolerance : ± 15%)	90°	90°	120°	120°
CRI	>80			
Color Consistency	< 6 Steps (or <6 SDCM)			
UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
Electrical				
Input Voltage and Frequency	120-277VAC, 50/60Hz			
PF (Tolerance : -3%)	≥0.9			
THD (Tolerance : +5%)	≤20%			
Flicker Percent	<5%			
Driver Brand	SOSEN			
Driver Model	SS-240VP-228BH			
Driver Surge protection	L/N-PE: 10kV, L-N: 6kV			
Dimming	0-10V dimming standard			
Materials				
LED Brand	Lumileds			
LED Type	SMD 2835			
LED QTY	864 PCS			
Housing	Aluminum			
Housing Color	Gray			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T5;			
Others				
Operating Temperature	-40℃ TO 55℃			
Storage Temperature	-40℃ TO 90℃			
Operating Humidity	10% - 90% RH			
Storage Humidity	5% - 95% RH			
Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃			

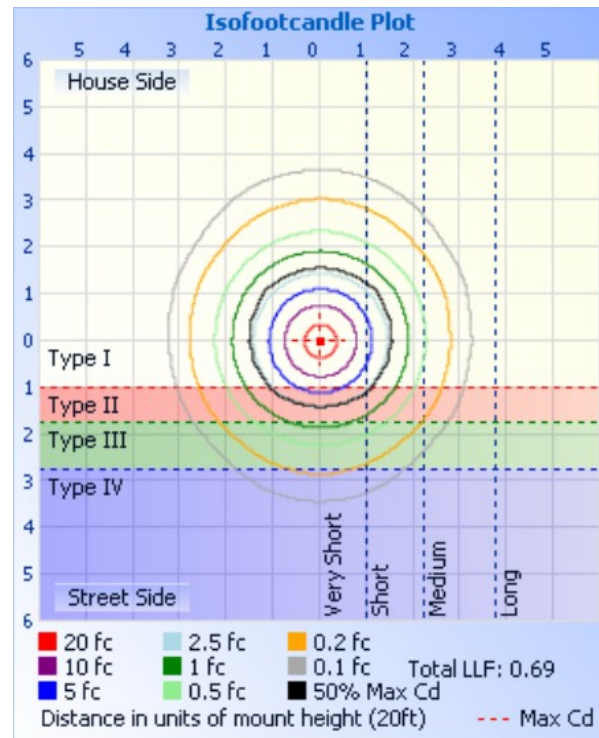
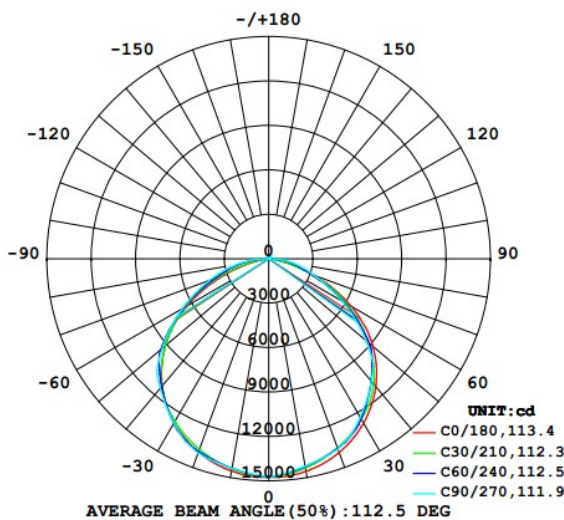
Light Distribution Testing Parameters

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.34V I:2.0774A P:249.40W PF:0.9976 Freq:59.99Hz Lamp Flux:41818.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 167.68 lm/W			
MODEL		Imax(cd)	14760	η street_up(%)	0.5
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	48.0
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	41818	η house_up(%)	0.5
NOMINAL FLUX(lm)	41818.2	MAXIMUM @ (C, γ)	355,0.0	η house_down(%)	51.1
LAMPS INSIDE	1	η up(%)	1.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	99.0	SLI	22.689

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

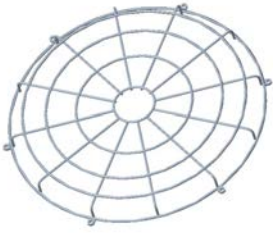


Package

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
CM/TM/HM	570*570*320 MM	1 PC	16.2 KG	18.3 KG
CM2	570*570*380 MM	1 PC	16.9 KG	19.1 KG
PM/BM	570*570*460 MM	1 PC	17.4 KG	20.1 KG

Tolerance of Carton Size: ± 15 mm [± 0.59 inch], Tolerance of Weight: $\pm 10\%$.

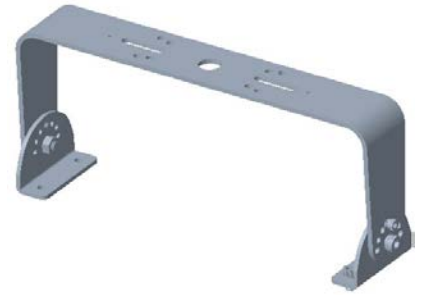
Optional Accessory



Wire guard



CM2-Bracket ceiling mount



BM-bracket wall mounting



PM-Installation mode of road lamp pole



HM-Hchain mount

PM-Installation mode of road lamp pole

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-240WXYZH1-abcde

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **240W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be S.
5. Where **"Y"** stands for Diffuser type, can be "S1" to "S9", "S12", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard".
7. The Letter **H1** in P/N stands for input voltage 277-480VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "CM", "CM2", "TM", "PM", "HM" or "BM", represents Mounting type.
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.
12. Where **"e"** can be "W" or blank for Power Control provided or not.

Advantage:

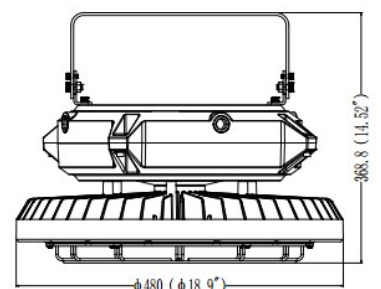
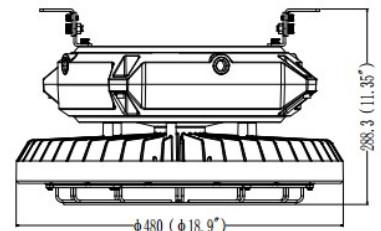
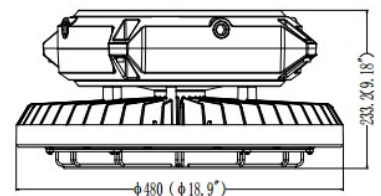
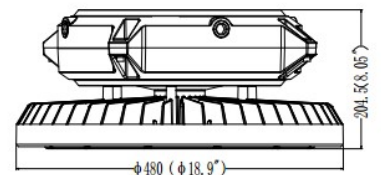
- ETL certificate.
- IP66 driver, input voltage 277-480VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CID2 Groups A, B, C, D, T5 (55°C)
- UL 844.
- UL 1598.
- UL 8750.
- UL 1598A.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.



Specifications

Optical				
Input Power (Tolerance : ±10%)	240W			
Color Temperature	3000-6500K			
Diffuser Type	Glass+PC Lens	Glass+PC Lens +wire guard	Glass	Glass+wire guard
Lumen (Tolerance : ±10%)(5000K)	38400 LM	36000 LM	39600 LM	37920 LM
Efficacy (Tolerance : ±3%)(5000K)	163 LM/W	150 LM/W	167LM/W	158 LM/W
Beam Angle (50%) (Tolerance : ± 15%)	90°	90°	120°	120°
CRI	>80			
Color Consistency	< 6 Steps (or <6 SDCM)			
UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
Electrical				
Input Voltage and Frequency	277-480VAC, 50/60Hz			
PF (Tolerance : -3%)	≥0.9			
THD (Tolerance : +5%)	≤20%			
Flicker Percent	<5%			
Driver Brand	SOSEN			
Driver Model	SS-240M-228BH			
Driver Surge protection	L/N-PE: 10kV, L-N: 6kV			
Dimming	0-10V dimming standard			
Materials				
LED Brand	Lumileds			
LED Type	SMD 2835			
LED QTY	864 PCS			
Housing	Aluminum			
Housing Color	Gray			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T5;			
Others				
Operating Temperature	-40℃ TO 55℃			
Storage Temperature	-40℃ TO 90℃			
Operating Humidity	10% - 90% RH			
Storage Humidity	5% - 95% RH			
Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃			

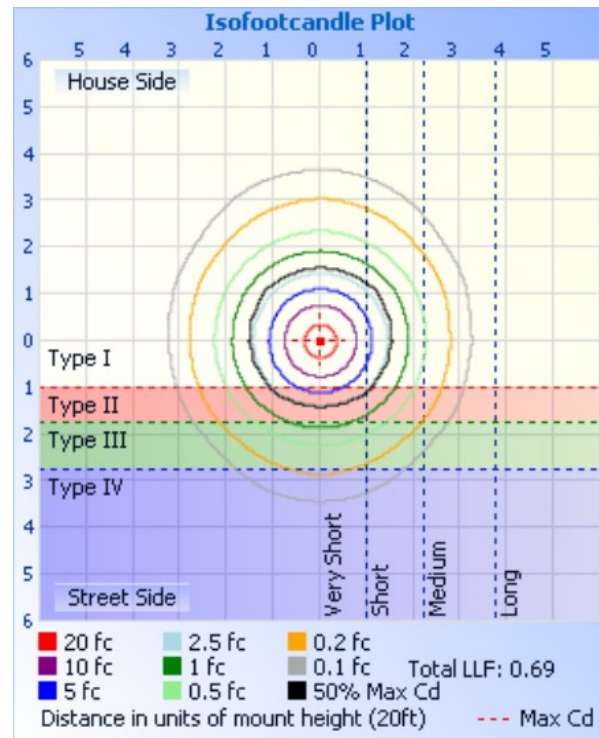
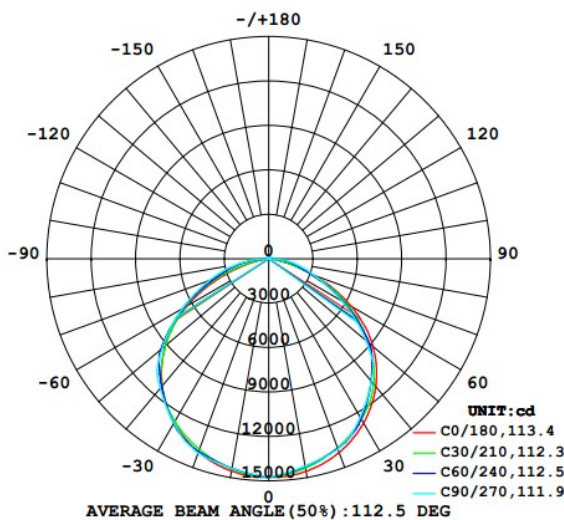
Light Distribution Testing Parameters

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.34V I:2.0774A P:249.40W PF:0.9976 Freq:59.99Hz Lamp Flux:41818.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 167.68 lm/W			
MODEL		Imax(cd)	14760	η street_up(%)	0.5
NOMINAL POWER(W)	240	LOR(%)	100.0	η street_down(%)	48.0
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	41818	η house_up(%)	0.5
NOMINAL FLUX(lm)	41818.2	MAXIMUM @ (C, γ)	355,0.0	η house_down(%)	51.1
LAMPS INSIDE	1	η up(%)	1.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	99.0	SLI	22.689

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

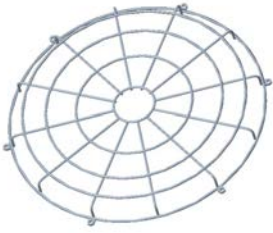


Package

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
CM/TM/HM	570*570*320 MM	1 PC	16.2 KG	18.3 KG
CM2	570*570*380 MM	1 PC	16.9 KG	19.1 KG
PM/BM	570*570*460 MM	1 PC	17.4 KG	20.1 KG

Tolerance of Carton Size: ± 15 mm [± 0.59 inch], Tolerance of Weight: $\pm 10\%$.

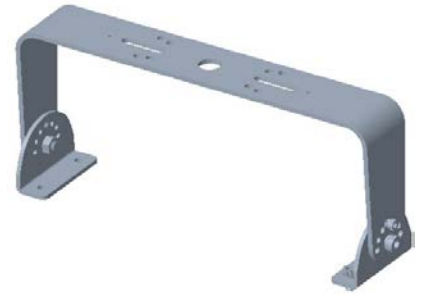
Optional Accessory



Wire guard



CM2-Bracket ceiling mount



BM-bracket wall mounting



PM-Installation mode of road lamp pole



HM-Hchain mount

PM-Installation mode of road lamp pole

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-300WXYZD1-abcde

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **300W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be S.
5. Where **"Y"** stands for Diffuser type, can be "S1" to "S9", "S12", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard" .
7. The Letter **D1** in P/N stands for input voltage 100-277VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "CM", "CM2", "TM", "PM", "HM" or "BM", represents Mounting type.
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.
12. Where **"e"** can be "W" or blank for Power Control provided or not.

Advantage:

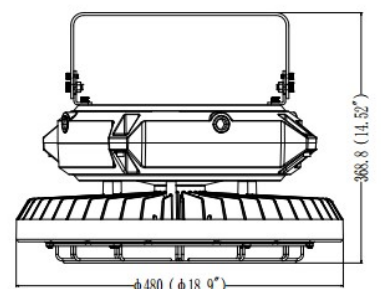
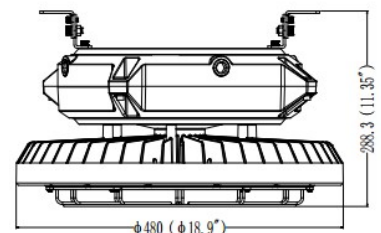
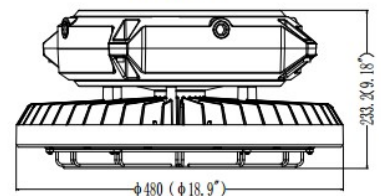
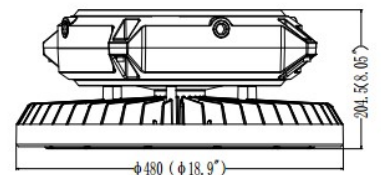
- ETL certificate.
- IP66 driver, input voltage 100-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CID2 Groups A,B,C,D.T4A(50°C)
- UL 844.
- UL 1598.
- UL 8750.
- UL 1598A.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

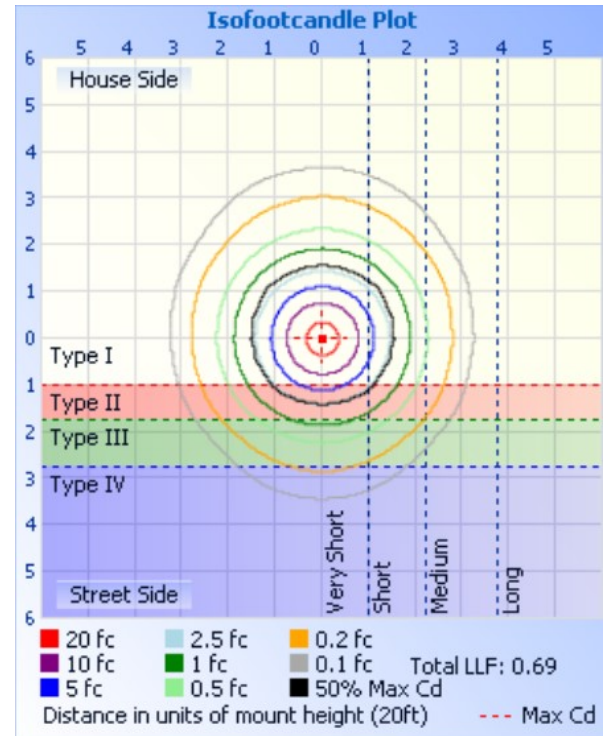
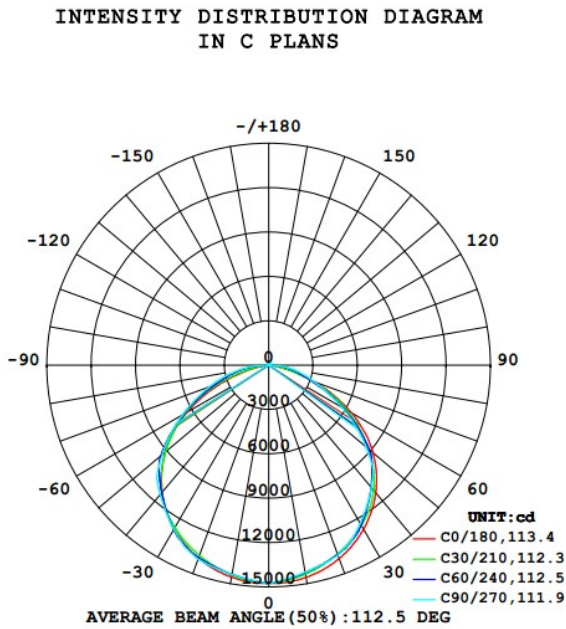
- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.



Specifications

Optical				
Input Power (Tolerance : ±10%)	300W			
Color Temperature	3000-6500K			
Diffuser Type	Glass+PC Lens	Glass+PC Lens +wire guard	Glass	Glass+wire guard
Lumen (Tolerance : ±10%)(5000K)	48000 LM	45000 LM	49500 LM	46500 LM
Efficacy (Tolerance : ±3%)(5000K)	161 LM/W	150 LM/W	165LM/W	155 LM/W
Beam Angle (50%) (Tolerance : ± 15%)	90°	90°	120°	120°
CRI	>80			
Color Consistency	<6 Steps (or <6 SDCM)			
UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
Electrical				
Input Voltage and Frequency	120-277VAC, 50/60Hz			
PF (Tolerance : -3%)	≥0.9			
THD (Tolerance : +5%)	≤20%			
Flicker Percent	<5%			
Driver Brand	SOSEN			
Driver Model	SS-320VP-228BH			
Driver Surge protection	L/N-PE: 10kV, L-N: 6kV			
Dimming	0-10V dimming standard			
Materials				
LED Brand	Lumileds			
LED Type	SMD 2835			
LED QTY	1152 PCS			
Housing	Aluminum			
Housing Color	Gray			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T4A;			
Others				
Operating Temperature	-40℃ TO 50℃			
Storage Temperature	-40℃ TO 90℃			
Operating Humidity	10% - 90% RH			
Storage Humidity	5% - 95% RH			
Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃			

Light Distribution Testing Parameters

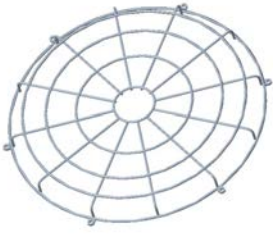


Package

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
CM/TM/HM	570*570*320 MM	1 PC	16.9 KG	18.7 KG
CM2	570*570*380 MM	1 PC	17.6 KG	19.4 KG
PM/BM	570*570*460 MM	1 PC	18.1 KG	19.9 KG

Tolerance of Carton Size: ± 15 mm [± 0.59 inch], Tolerance of Weight: $\pm 10\%$.

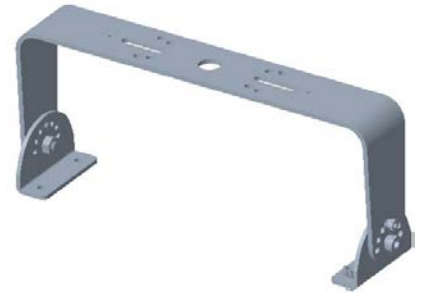
Optional Accessory



Wire guard



CM2-Bracket ceiling mount



BM-bracket wall mounting



PM-Installation mode of road lamp pole



HM-Hchain mount

PM-Installation mode of road lamp pole

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-300WXYZH1-abcde

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **300W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be S.
5. Where **"Y"** stands for Diffuser type, can be "S1" to "S9", "S12", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard".
7. The Letter **H1** in P/N stands for input voltage 277-480VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "CM", "CM2", "TM", "PM", "HM" or "BM", represents Mounting type.
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.
12. Where **"e"** can be "W" or blank for Power Control provided or not.

Advantage:

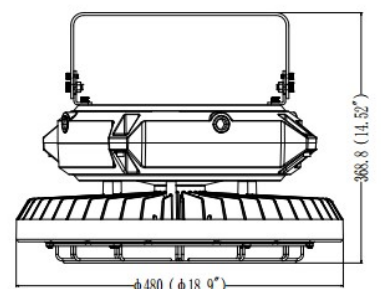
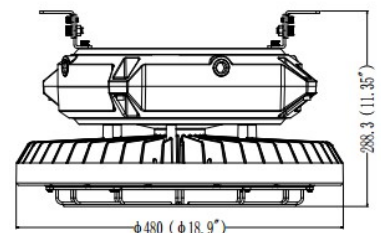
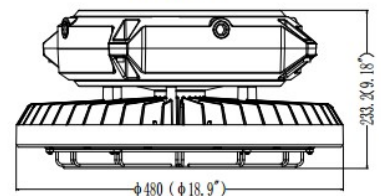
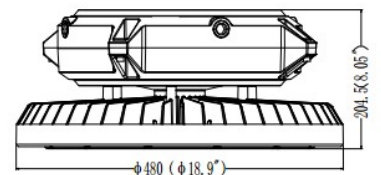
- ETL certificate.
- IP66 driver, input voltage 277-480VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.

CERTIFICATIONS:

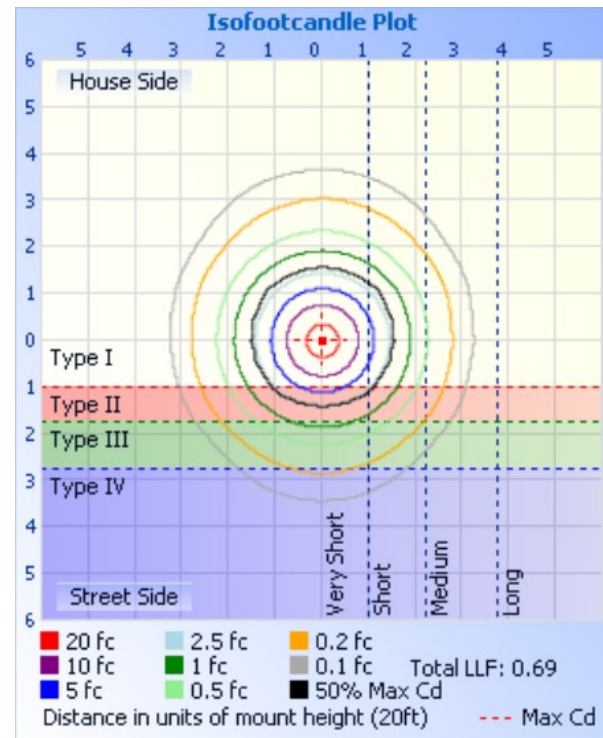
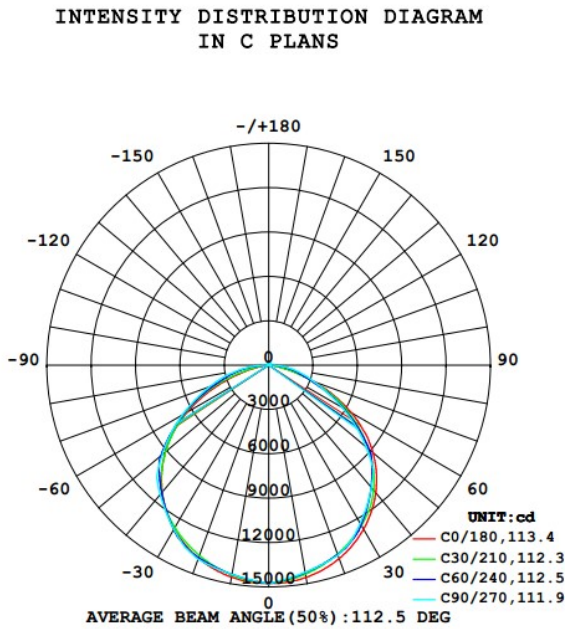
- CID2 Groups A, B, C, D, T4A (50°C)
- UL 844.
- UL 1598.
- UL 8750.
- UL 1598A.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.



Specifications

Optical				
Input Power (Tolerance : ±10%)	300W			
Color Temperature	3000-6500K			
Diffuser Type	Glass+PC Lens	Glass+PC Lens +wire guard	Glass	Glass+wire guard
Lumen (Tolerance : ±10%)(5000K)	48000 LM	45000 LM	49500 LM	46500 LM
Efficacy (Tolerance : ±3%)(5000K)	161 LM/W	150 LM/W	165LM/W	155 LM/W
Beam Angle (50%) (Tolerance : ± 15%)	90°	90°	120°	120°
CRI	>80			
Color Consistency	< 6 Steps (or <6 SDCM)			
UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
Electrical				
Input Voltage and Frequency	277-480VAC, 50/60Hz			
PF (Tolerance : -3%)	≥0.9			
THD (Tolerance : +5%)	≤20%			
Flicker Percent	<5%			
Driver Brand	SOSEN			
Driver Model	SS-320M-228BH			
Driver Surge protection	L/N-PE: 10kV, L-N: 6kV			
Dimming	0-10V dimming standard			
Materials				
LED Brand	Lumileds			
LED Type	SMD 2835			
LED QTY	1152 PCS			
Housing	Aluminum			
Housing Color	Gray			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T4A;			
Others				
Operating Temperature	-40℃ TO 50℃			
Storage Temperature	-40℃ TO 90℃			
Operating Humidity	10% - 90% RH			
Storage Humidity	5% - 95% RH			
Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃			

Light Distribution Testing Parameters



Package

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
CM/TM/HM	570*570*320 MM	1 PC	16.9 KG	18.7 KG
CM2	570*570*380 MM	1 PC	17.6 KG	19.4 KG
PM/BM	570*570*460 MM	1 PC	18.1 KG	19.9 KG

Tolerance of Carton Size: ± 15 mm [± 0.59 inch], Tolerance of Weight: $\pm 10\%$.

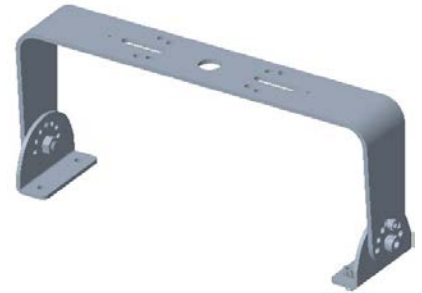
Optional Accessory



Wire guard



CM2-Bracket ceiling mount



BM-bracket wall mounting



PM-Installation mode of road lamp pole



HM-Hchain mount

PM-Installation mode of road lamp pole

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
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- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-400WXYZD1-abcde

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **400W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be S.
5. Where **"Y"** stands for Diffuser type, can be "S1" to "S9", "S12", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard".
7. The Letter **D1** in P/N stands for input voltage 100-277VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "CM", "CM2", "TM", "PM", "HM" or "BM", represents Mounting type.
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.
12. Where **"e"** can be "W" or blank for Power Control provided or not.

Advantage:

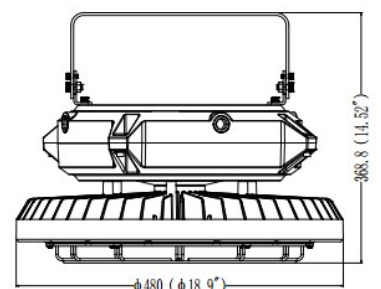
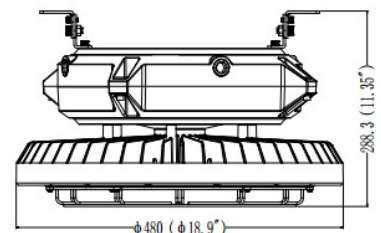
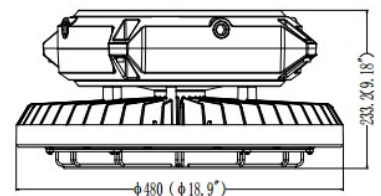
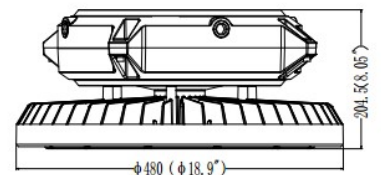
- ETL certificate.
- IP66 driver, input voltage 100-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS:

- CID2 Groups A, B, C, D, T4A (50°C)
- UL 844.
- UL 1598.
- UL 8750.
- UL 1598A.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.



Specifications

Optical				
Input Power (Tolerance : ±10%)	400W			
Color Temperature	3000-6500K			
Diffuser Type	Glass+PC Lens	Glass+PC Lens +wire guard	Glass	Glass+wire guard
Lumen (Tolerance : ±10%)(5000K)	62800 LM	58800 LM	64400 LM	60000 LM
Efficacy (Tolerance : ±3%)(5000K)	157 LM/W	147 LM/W	161LM/W	151 LM/W
Beam Angle (50%) (Tolerance : ± 15%)	90°	90°	120°	120°
CRI	>80			
Color Consistency	< 6 Steps (or <6 SDCM)			
UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
Electrical				
Input Voltage and Frequency	120-277VAC, 50/60Hz			
PF (Tolerance : -3%)	≥0.9			
THD (Tolerance : +5%)	≤20%			
Flicker Percent	<5%			
Driver Brand	SOSEN			
Driver Model	SS-240VP-228BH*2			
Driver Surge protection	L/N-PE: 10kV, L-N: 6kV			
Dimming	0-10V dimming standard			
Materials				
LED Brand	Lumileds			
LED Type	SMD 2835			
LED QTY	1584 PCS			
Housing	Aluminum			
Housing Color	Gray			
Waterproof Rating	WET (IP66)			
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T4A;			
Others				
Operating Temperature	-40℃ TO 50℃			
Storage Temperature	-40℃ TO 90℃			
Operating Humidity	10% - 90% RH			
Storage Humidity	5% - 95% RH			
Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃			

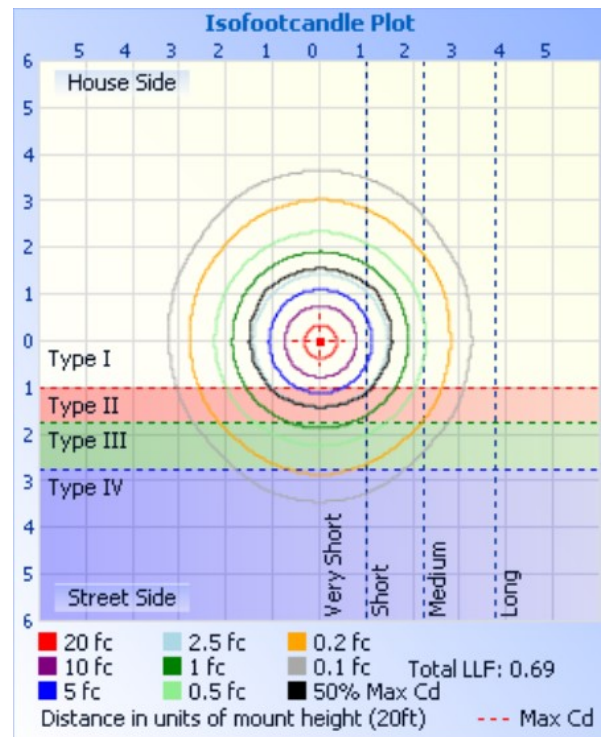
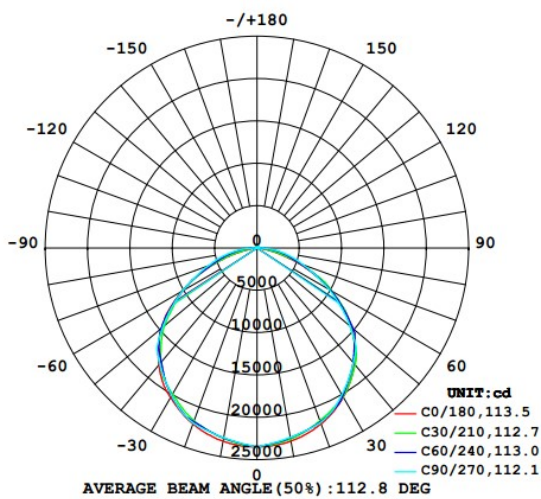
Light Distribution Testing Parameters

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:121.51V I:3.4099A P:413.33W PF:0.9975 Freq:60.00Hz Lamp Flux:66734.2x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 161.46 lm/W			
MODEL		Imax(cd)	23480	η street_up(%)	0.5
NOMINAL POWER(W)	400	LOR(%)	100.0	η street_down(%)	49.3
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	66734	η house_up(%)	0.5
NOMINAL FLUX(lm)	66734.2	MAXIMUM @ (C, γ)	355,0.0	η house_down(%)	49.8
LAMPS INSIDE	1	η up(%)	0.9	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120	η down(%)	99.1	SLI	23.365

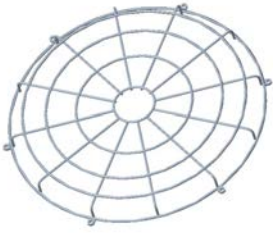
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Package

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
CM/TM/HM	570*570*320 MM	1 PC	17.6 KG	19.4 KG
CM2	570*570*380 MM	1 PC	18.3 KG	20.1 KG
PM/BM	570*570*460 MM	1 PC	188 KG	20.6 KG

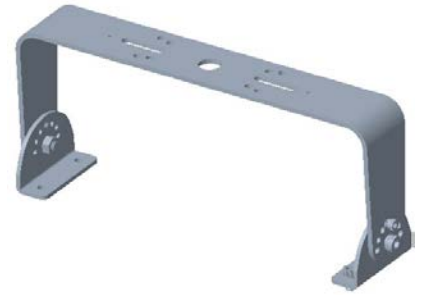
Optional Accessory



Wire guard



CM2-Bracket ceiling mount



BM-bracket wall mounting



PM-Installation mode of road lamp pole



HM-Hchain mount

PM-Installation mode of road lamp pole

Notice For User

- ◆ when installing the conduit, remove the compression nut on the screw thread of the lamp. Requirement of waterproof for fixture connection and requirement of conduit system connection should according to the local regulations.
- ◆ Please turn off power before install or change assembly parts.
- ◆ The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- ◆ No-professionals, must not install and disassemble the lamps.

Trouble Shootings

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.



NAME: Hazardous Location LED Round Light

P/N: AL-EPLR02-400WXYZH1-abcde

Note:

1. The Letter **AL** in P/N stands for Company name.
2. The Letter **EPLR02** in P/N stands for Product series, Hazardous Location LED Round Light.
3. The Letter **400W** in P/N stands for Rating Power.
4. Where **"X"** stands for LED manufactory, can be S.
5. Where **"Y"** stands for Diffuser type, can be "S1" to "S9", "S12", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only.
6. Where **"Z"** can be "S" or blank, represents "with Wire Guard" or "without Wire Guard".
7. The Letter **H1** in P/N stands for input voltage 277-480VAC.
8. Where **"a"** can be any two letters to represent color of luminaire.
9. Where **"b"** can be "CM", "CM2", "TM", "PM", "HM" or "BM", represents Mounting type.
10. Where **"c"** can be "NPT" for 3/4" NPT threaded pipe wiring.
11. Where **"d"** can be 30, 40, 50, 57, 65 to represent CCT.
12. Where **"e"** can be "W" or blank for Power Control provided or not.

Advantage:

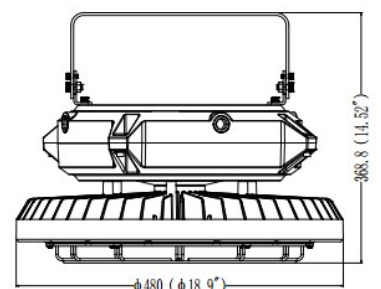
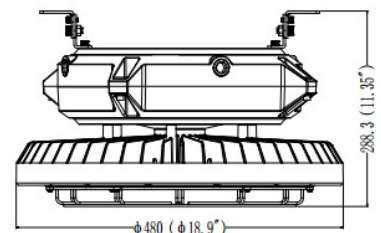
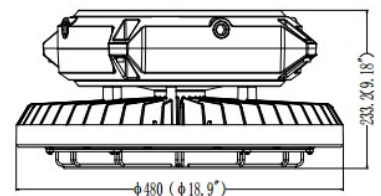
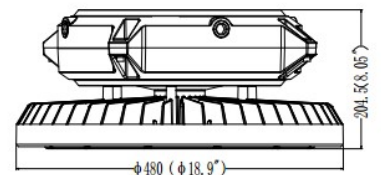
- ETL certificate.
- IP66 driver, input voltage 277-480VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO humming.
- Green and eco-friendly without mercury.

Application:

- Warehouse, factory and workshops;
- Petroleum and petrochemical area, and gas station;
- Power, railway, ship port, public security, fire protection and other fields.

CERTIFICATIONS:

- CID2 Groups A, B, C, D, T4A (50°C)
- UL 844.
- UL 1598.
- UL 8750.
- UL 1598A.
- CSA C22.2 No.137.0.
- CSA C22.2 No.250.0.
- CSA C22.2 No.250.13.



Specifications

Optical				
Input Power (Tolerance : ±10%)	400W			
Color Temperature	3000-6500K			
Diffuser Type	Glass+PC Lens	Glass+PC Lens +wire guard	Glass	Glass+wire guard
Lumen (Tolerance : ±10%)(5000K)	62800 LM	58800 LM	64400 LM	60000 LM
Efficacy (Tolerance : ±3%)(5000K)	157 LM/W	147 LM/W	161LM/W	151 LM/W
Beam Angle (50%) (Tolerance : ± 15%)	90°	90°	120°	120°
CRI	>80			
Color Consistency	<6 Steps (or <6 SDCM)			
UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%)			
Electrical				
Input Voltage and Frequency	277-480VAC, 50/60Hz			
PF (Tolerance : -3%)	≥0.9			
THD (Tolerance : +5%)	≤20%			
Flicker Percent	<5%			
Driver Brand	SOSEN			
Driver Model	SS-240M-228BH*2			
Driver Surge protection	L/N-PE: 10kV, L-N: 6kV			
Dimming	0-10V dimming standard			
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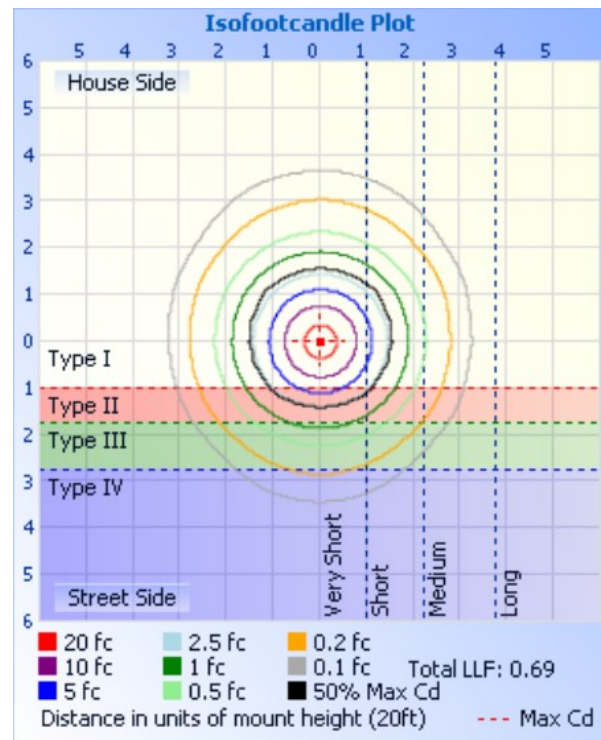
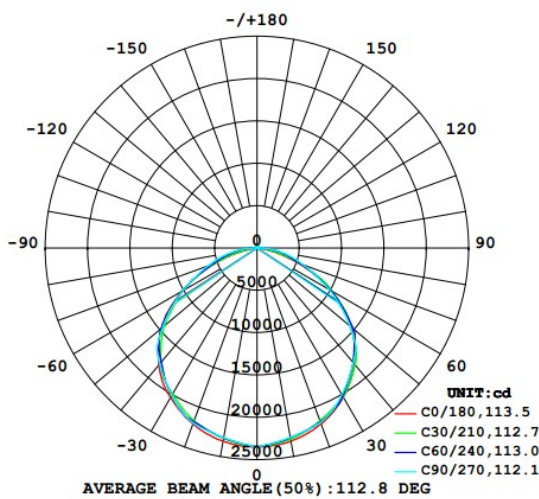
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IN C PLANS

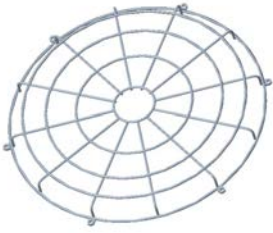


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Tolerance of Carton Size: ± 15 mm [± 0.59 inch], Tolerance of Weight: $\pm 10\%$.

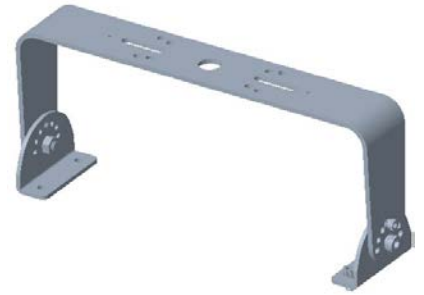
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