



NAME: Hazardous Location LED Round Light

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

Note:

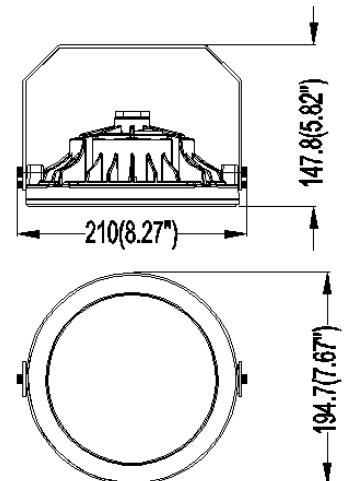
- 1、 Where "X" stands for LED manufactory, can be B.
- 2、 Where "Y" stands for Diffuser type, can be "S6" to "S9", represents different Diffuser light angle and with flat clear glass, or "CG" represents flat clear glass only, "SS" represents clear striped spherical glass or "US" represents U-shaped glass.
- 3、 Where "Z" can be "S" or blank, represents "with Wire Guard" or "without Wire Guard".
- 4、 Where "a" can be any two letters to represent color of luminaire.
- 5、 Where "b" can be "U" or blank, represents "with bracket" or "without bracket".
- 6、 Where "c" can be "NPT" for 3/4" NPT threaded pipe wiring,
- 7、 Where "d" can be 27, 30, 40, 50, 57, 65 to represent CCT.

Advantage

- UL cUL certificate.
- Comply with UL844 standards.
- Comply with UL1598 standards.
- Comply with UL1598A standards.
- IP66, input voltage 120-277VAC.
- 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 flickering, NO humming.
- Green and eco-friendly without mercury.

CERTIFICATIONS

- CI D2 Groups A,B,C,D.T4A
- UL 844.
- UL 1598.
- UL 1598A.
- 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.

Specifications

Optical							
Input Power (Tolerance : ±10%)	30W						
Color Temperature	3000-6500K						
Diffuser Type	clear glass	clear glass + wire guard	clear striped spherical glass	clear striped spherical glass + wire guard	Clear glass + lens	U-shaped glass	U-shaped glass + U-shaped wire guard
Lumen (Tolerance : ±10%)	4050lm	3750lm	3900lm	3510lm	3990lm	3660lm	3420lm
Efficacy (Tolerance : ±10%, @3000K)	135 lm/W	125 lm/W	130lm/W	117 lm/W	133lm/W	122lm/W	114 lm/W
Beam Angle (50%) (Tolerance : ±10%)	110°	110°	120°	120°	80°	120°	120°
CRI	>80						
Color Consistency	<5 Steps (or <5 SDCM)						
UGR	<28 (X=4H, Y=8H; S/H=1; Reflectances: 70%/50%/20%) (At lens 80°)						
Electrical							
Input Voltage and Frequency	120-277VAC, 50/60Hz						
PF (Tolerance : -3%)	≥0.9						
THD (Tolerance : +5%)	≤20%						
Flicker Percent	<5%						
Driver Brand	HBE						
Driver Model	HB-EPLR030-45						
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	84 PCS						
Housing	Aluminum						
Housing Color	Gray/Yellow						
Waterproof Rating	WET (IP66)						
Explosion-proof Mark	North America: Class I ,Division 2,Groups A,B,C,D, T4A						
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 <110° 3000K>

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Lamp Catalog:
 Number of Lamps:
 Luminous Length (mm):
 Luminous Height (mm):
 Current: 0.265 A
 Power Factor: 0.987

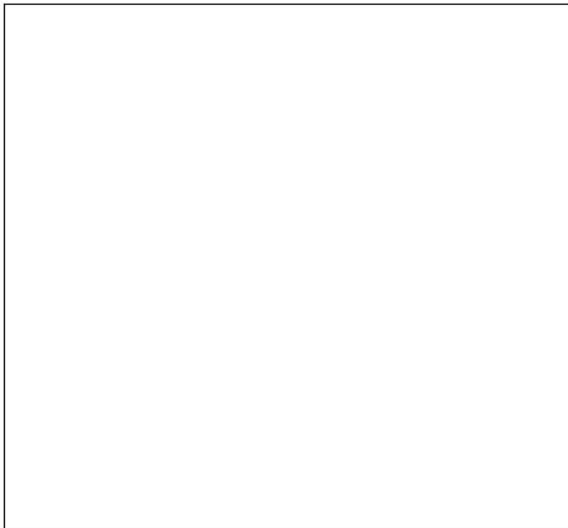
Luminaire Description:
 Lamp Description:
 Lumens per Lamp:
 Luminous Width (mm):
 Voltage: 120.0 V
 Power: 31.42 W

Photometric Results

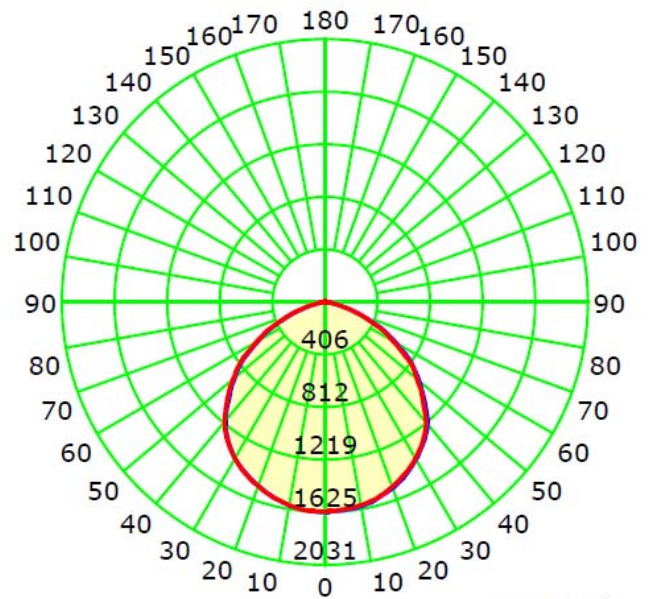
IES Classification: Type II
 Total Rated Lamp Lumens: 4272.9 lm
 Efficiency: 100%
 Upward Ratio: 0%
 C0r0 Intensity: 1620.95 cd
 Pos of Max. Intensity: H202.5 V2
 Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 108.7, 108.8, 109.0, 109.0

Longitudinal Classification: Very Short
 Measurement Flux: 4272.9 lm
 Downward Ratio: 100%
 Luminaire Efficacy Rating (LER): 136.04
 Max. Intensity: 1625.35 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 108.7°

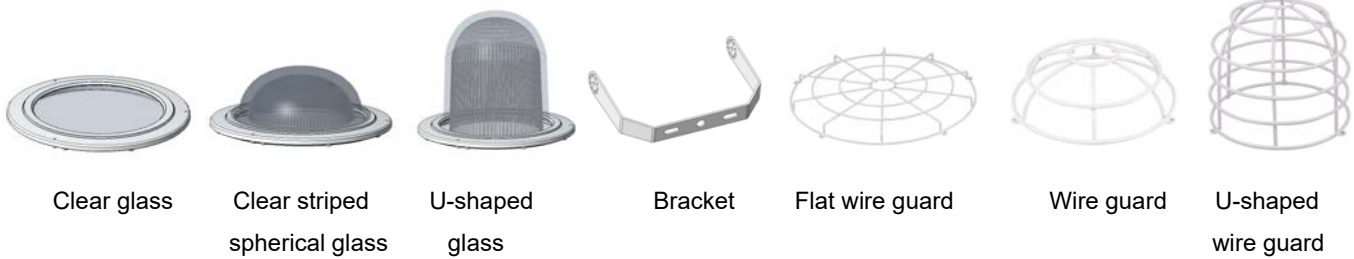
— C0-C180 — C90-C270

Package

	clear glass	clear glass + wire guard	clear striped spherical glass + wire guard	U-shaped glass+ U-shaped wire guard
Lamps Net Weight	2.4kg	2.55kg	2.8kg	3.8kg
Inner box size	225*225*173mm	225*225*173mm	225*225*210mm	225*225*310mm
Carton Size	470*470*193mm	470*470*193mm	470*470*230mm	470*470*335mm
Qty/ Carton	4 PCS			
Weight/Carton	10.6kg	11.2kg	12.2kg	16.3kg

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

Mounting Options



Notice For User

- Please turn off power before install or change assembly parts.
- The input voltage and luminaire should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- No-professionals, must not install and disassemble the luminaire.

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.