LUMENATIV

UL CERTIFIED — SAFETY US·CA — E509499
UL CERTIFIED — SAFETY US·CA — E468128
UL CERTIFIED — SAFETY US — E515371

NAME: Hazardous Location LED Linear Light
P/N: LMTV-EPLL02-40WXYZD1-abcd

Note:

1. Where "X" can be any letters, stands for LED manufactory;

2. Where "Y" can be "S2" to "S11" for diffuser type;

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 luminaire color;

5. Where "b" can be "FM", "CM", "TM", "PM" or "HM", represents type of mounting means;

6. Where "c" can be "NPT";

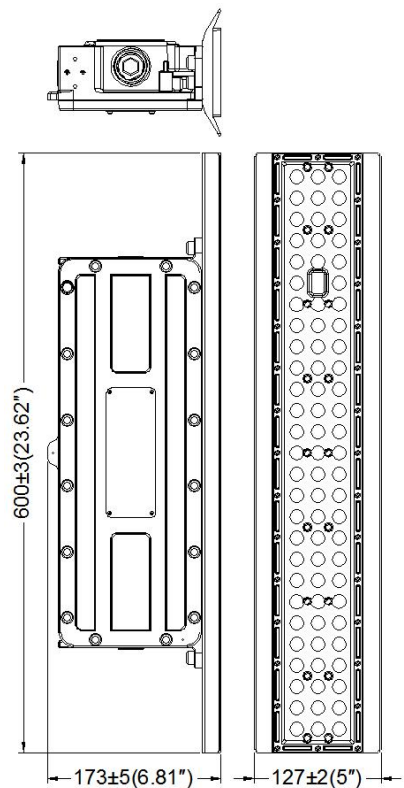7. Where "d" can be any digits to represent CCT.

Advantage

➢ UL cUL certificate.
➢ Comply with UL844 standards.
➢ Comply with UL1598 standards.
➢ Comply with UL1598A standards.
➢ IP66 driver, 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.

600±3(23.62")

173±5(6.81")   127±2(5")

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Specifications

Optical				
Input Power (Tolerance : ±10%)	40W			
Color Temperature	3000-6500K			
Diffuser Type	PC Lens	PC Lens+wire guard	PC Lens	PC Lens+wire guard
Lumen (Tolerance : ±10%)	6400 LM	6000 LM	6240 LM	5840 LM
Efficacy (Tolerance : ±3%)	160 LM/W	150 LM/W	156 LM/W	146 LM/W
Beam Angle (50%) (Tolerance : ±15%)	80°	80°	110°	110°
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-50VP-56BH
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	160 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　65℃
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℃

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Light Distribution Testing Parameters   <110° >

Luminaire Property

Luminaire Manufacturer:
Luminous Length (mm): 583
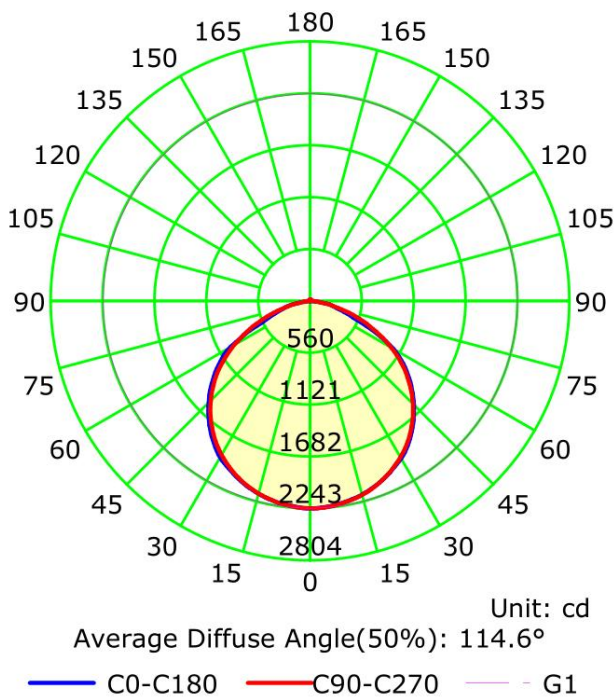Voltage: 120.1 V
Power: 40.88 W

Luminous Width (mm): 73
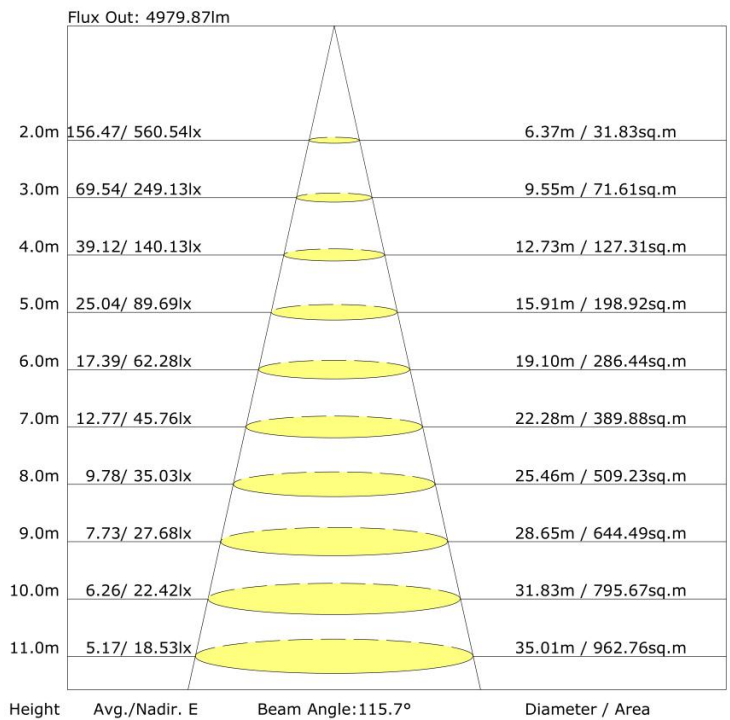Current: 0.342 A
Power Factor: 0.994

Photometric Results

IES Classification: Type II
Total Rated Lamp Lumens: 6377.7 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 2242.14 cd
Pos of Max. Intensity: H135 V1

Longitudinal Classification: Very Short
Measurement Flux: 6377.7 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 156.06
Max. Intensity: 2243.51 cd

Luminous Intensity Distribution Curve

Unit: cd
Average Diffuse Angle(50%): 114.6°

—— C0-C180   —— C90-C270   - - G1

The Average Illuminance Effective Figure

Flux Out: 4979.87lm

Height	Avg./Nadir. E	Diameter / Area
2.0m	156.47/ 560.54lx	6.37m / 31.83sq.m
3.0m	69.54/ 249.13lx	9.55m / 71.61sq.m
4.0m	39.12/ 140.13lx	12.73m / 127.31sq.m
5.0m	25.04/ 89.69lx	15.91m / 198.92sq.m
6.0m	17.39/ 62.28lx	19.10m / 286.44sq.m
7.0m	12.77/ 45.76lx	22.28m / 389.88sq.m
8.0m	9.78/ 35.03lx	25.46m / 509.23sq.m
9.0m	7.73/ 27.68lx	28.65m / 644.49sq.m
10.0m	6.26/ 22.42lx	31.83m / 795.67sq.m
11.0m	5.17/ 18.53lx	35.01m / 962.76sq.m

Beam Angle:115.7°

Package

Lamps Net Weight	Outer box		
	size	Qty/ Carton	Weight/Carton
6.8kg [14.99 LBS]	760*220*305mm [29.92*8.66*12.01 inch]	1PC	8.6kg [18.96 LBS]

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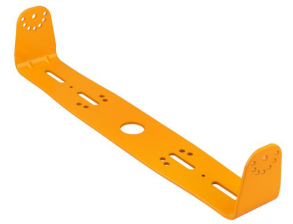
Mounting Options

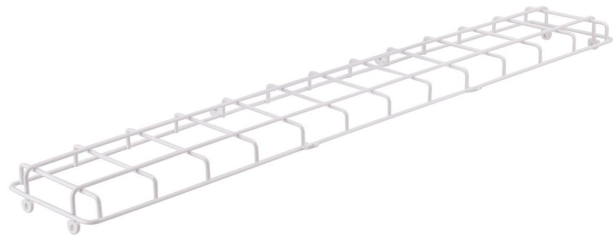CM-side surface mount   PM-Installation mode of road lamp pole   FM-shape buckle

HM-Hchain mount   WG-wire guard

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.