

LINEAR LOW PROFILE SERIES

EXPLOSION PROOF, HARSH DUTY

LLP Series LED Luminaire is designed for installations in hazardous areas with presence of flammable gases or combustible dust as defined by ATEX / IECEx for Zone 1/21 application, which provides an incredible 150,000 (L70) maintenance-free hours at 55°C.

SPECIFICATION

POWER	: 20/40/60/80/100W
VOLTAGE / FREQUENCY	: 120-277V AC 50/60Hz
POWER FACTOR	: ≥90%
THD	: <20%
L70	: 150,000 Hours@55°C
SURGE PROTECTION	: 6KV Line-to ground
LUMEN OUTPUT	: 2400/4400/6800/8700/10000 Lm
LUMEN EFFICIENCY	: 120Lm/W @5000K
BEAM ANGLE	: 110°
CCT	: 2700K/4000K/5000K/5700K/Red/Green/Blue/Amber
COLOUR RENDERING INDEX (CRI)	: Ra>70
AMBIENT TEMPERATURE	: -40°C ~ +55°C -20°C ~ +50°C (Emergency)
GAS ENVIRONMENT	: 20/40/60W: T6 80/100W: T5
DUST ENVIRONMENT	: T80°C
FINISH	: Polyester powder coating for uniform corrosion resistance
HARDWARE	: Stainless steel 316
LENS MATERIAL	: Polycarbonate
MOUNTING OPTIONS	: Ceiling (Flush mount), Wall, Suspended (Chain /Eyebolt), Pole
WEIGHT	: A: 20/40W: 6.3Kg/13.89 Lb : B: 20/40W: 6.7Kg/14.77 Lb : C: 60/80/100W: 9.5Kg/20.94 Lb : D: 60/80/100W: 9.9Kg/21.83 Lb
DIMENSIONS==	: A: 20/40W: 29.4x6.2x4.4in (747×158×111 mm) : B: 20/40W: 34x6.2x4.4in (864×158×111 mm) : C: 60/80/100W: 52.4x6.2x4.4in (1332×158×111 mm) : D: 60/80/100W: 57.0x6.2x4.4in (1449×158×111 mm)
WARRANTY	: Fixture: 5-Year / Battery: 1-Year



SCAN FOR LATEST PRODUCT INFO

RATINGS & CERTIFICATIONS

> IECEx:

Ex db eb mb IIC T6 Gb(20 to 60W)
Ex db eb mb IIC T5 Gb(>60 to 100W)
Ex tb IIIC T80°C Db



> ATEX:

II 2 G Ex db eb mb IIC T6 Gb(20 to 60W)
II 2 G Ex db eb mb IIC T5 Gb(>60 to 100W)
II 2 D Ex tb IIIC T80°C Db



> Zone 1,21

APPLICATION

Power Plants
Heavy Industrials Storage Facility
Paper mills
Wastewater Treatment Plants
Loading Docks Platforms
Shipyards
Chemical Processing Facility
Petrochemical Processing Facility

FEATURES

- > Low profile design allows installation in work areas with low ceiling heights
- > Lens and LED driver field replaceable by qualified personnel on-site
- > UV stable and impact resistant clear or diffused PC lens (standard) to minimize glare
- > One wiring access cover with captive screws as standard, two(optional) for end to end feed through wiring
- > Single Lens model 20W to 40W; Double Lens model 60W to 100W
- > High luminous efficacy - Up to 120 lm / W.
- > Universal Voltage: AC120-277V (50/60Hz)
- > Superior CRI75 compared to HPS, LPS, MH
- > Ambient range from - 40°C to + 55°C (-20°C to 50°C for Emergency Model)
- > Standard 12W 90mins operation time for emergency mode (6W 180mins optional)
- > Resistant to shock and vibration

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RED SKY
SERIOUSLY SAFE LIGHTS™

Rev.01 10/18/23

EXAMPLE: LLP-60-120-277-5K-X1-CP-1A-EM12-M25

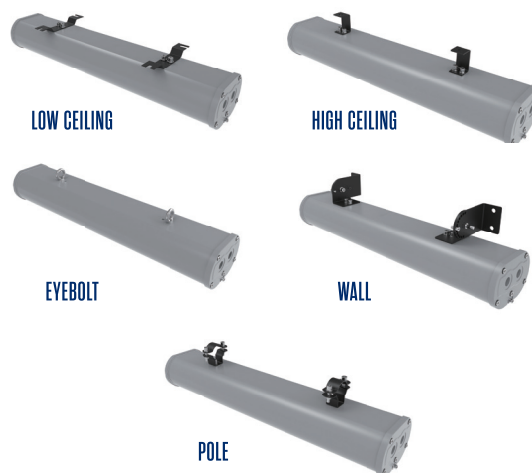
LLP	60	120-277	5K	X1	CP	1A	EM12	M25
FIXTURE	WATTAGE 20 - 20W 40 - 40W 60 - 60W 80 - 80W 100 - 100W	VOLTAGE 120-277	CCT 57K - 5700K 5K - 5000K 4K - 4000K 27K - 2700K RD - Red GN - Green BU - Blue AM - Amber	RATING X1 - Zone1, 21	LENS CP - Clear PC DP - Diffuse PC	WIRING 1A - Single Access 2A - Dual Access	BATTERY BLANK - Standard (Non Emergency) EM6 - 6W 180mins EM12 - 12W 90mins (Emergency Standard)	CABLE ENTRIES M20 - 4 X M20 X 1.5 M25 - 4 X M25 X 1.5

ACCESSORIES (ORDERED SEPARATELY)

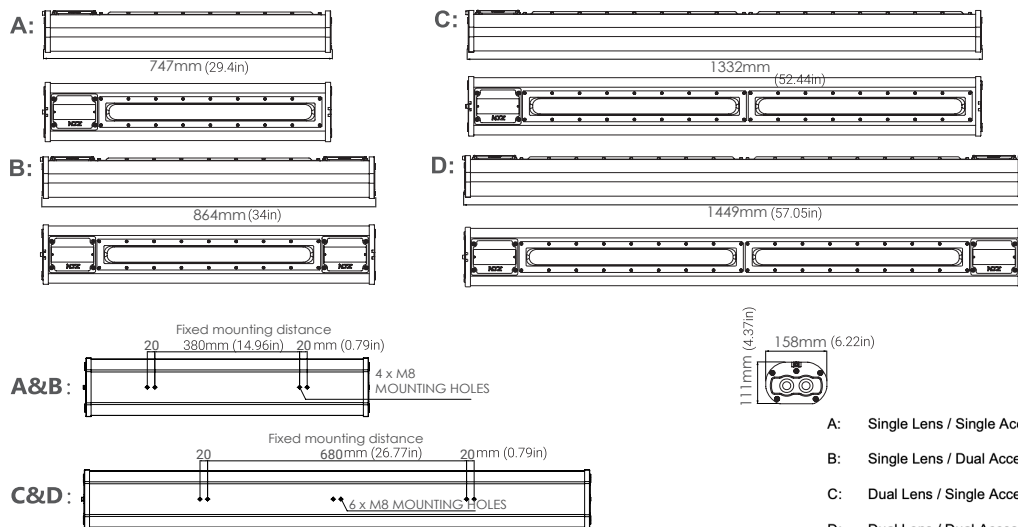
Item	Description	MPN Code
CB-L1	: Low Ceiling Mount Bracket 1 Pair	309050220
CB-H1	: High Ceiling Mount Bracket 1 Pair	309050222
EB-1	: Eyebolt 1 Pair	309050226
WB-01	: Wall Mount Swivel Bracket 1 Pair	309050224
PC-48	: Dia 40-51mm Range SS316 Pole Clamp 1 Pair	309050230
PC-60	: Dia 54-62mm Range SS316 Pole Clamp 1 Pair	309050232
SC05	: 3ft Safety Cable Kit	309050228

* Emergency models standard with Single Access only

* 0-10V Dimming Standard (10-100%)



DIMENSIONS



Model

A:	Single Lens / Single Access	LLP-20/40
B:	Single Lens / Dual Access	LLP-20/40
C:	Dual Lens / Single Access	LLP-60/80/100
D:	Dual Lens / Dual Access	LLP-60/80/100

THROUGH WIRING

In-out connection can be made on one or both sides for quick installation

On both ends of the connection



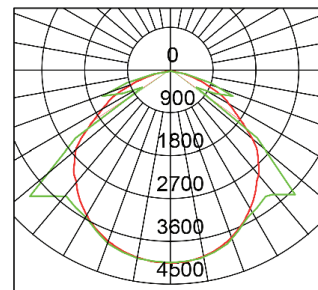
Dual Access

On end of the wire



Single Access

PHOTOMETRICS



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