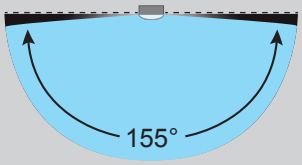
LX2120 Series

LED Tunnel Lighting

Advantages of LX Series

- IP69K rated tri-proof (dust, vapor & water-proof) LED tunnel light
- High efficacy fixture up to 170 lm / W
- Flexible wattages and lengths ranging from 20 ~ 120 Watt
- IP69K rated tri-proof (dust, vapor & water-proof) luminaire
- Deep anodized aircraft grade extruded billet aluminum housing
- Hard UV coated, chemical resistant polycarbonate lens cover
- Nylon 66 junction box enabling IK10 extreme impact rating
- Glare free 155° wide angle optics reducing fixture count by up to 25%
- Lightweight design with accessible junction box for simplified installation
- 80CRI for exceptional color rendition
- Optional smart motion sensing with soft dimming function
- Optional all-inclusive emergency battery backup system 10 Watt / 90 minutes
- Versatile mounting options for all types of hazardous area locations
- L70 ≥ 100,000 hours with 7-year limited warranty
- Designed and engineered in the USA



Wide Angle Optics

Applications

- Road Tunnels
- Utility Tunnels
- Underpasses
- Undersea Tunnels
- Metro Line Tunnels
- Tunnel Boring

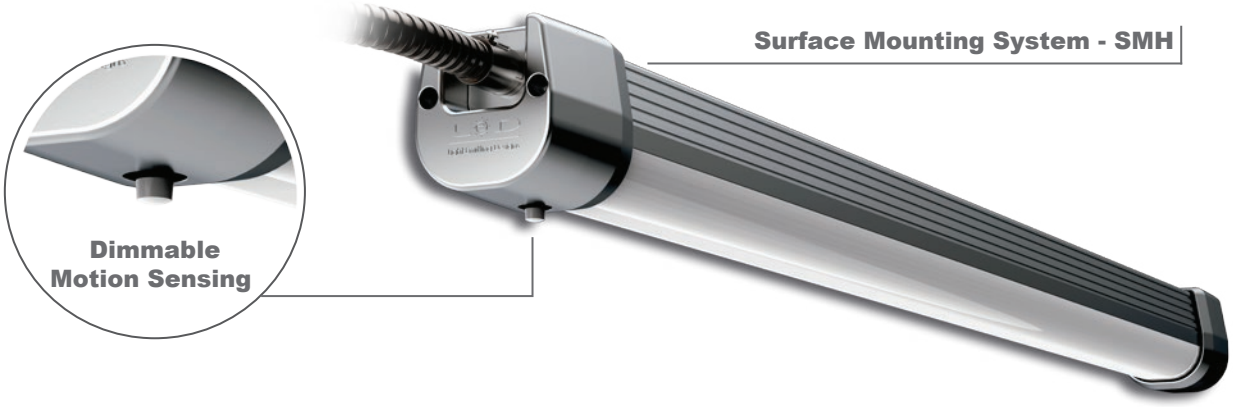
7 Years Warranty

Wet Location

Pressure Washable

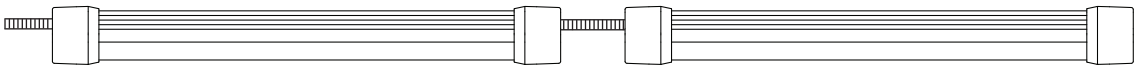
Impact Resistance

Mounting Options

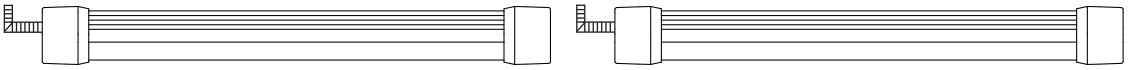


Wiring Options

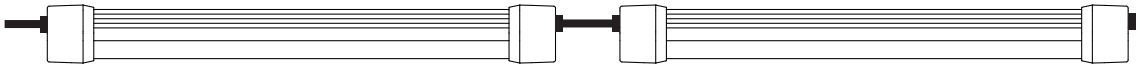
JS - Dual Junction Box with pre-drilled conduit hole on both ends of each fixture for series connection



JP - Single Junction Box with pre-drilled conduit hole on one end of each fixture for parallel connection



WS - Dual Pre-Installed Cable Glands with single cable wire on one side of each fixture for series connection



WP - Single Pre-Installed Cable Gland with cable wire on one side of each fixture for parallel connection

LX2120 Series

LED Tunnel Lighting - 120Watt

Ordering Information

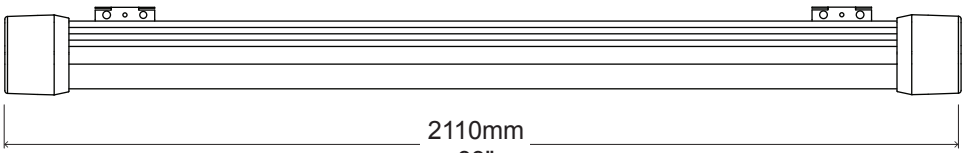
LX	Length & Wattage *	–	Wiring **	Optics	–	CCT	Driver & Control	–	Mounting ***
	0720 = 74cm / 29" / 20Watt 1040 = 111cm / 44" / 40Watt 1E40 = 111cm / 44" / 40/10Watt 1060 = 111cm / 44" / 60Watt 1E60 = 111cm / 44" / 60/10Watt 2080 = 211cm / 83" / 80Watt 2120 = 211cm / 83" / 120watt		JS = J-Box in Series JP = J-Box in Parallel WS = Cable in Series WP = Cable in Parallel	FL = Frosted Long CM = Clear Medium		30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable DM = Dimmable MS = Motion Sensor		SMH = Surface Mount

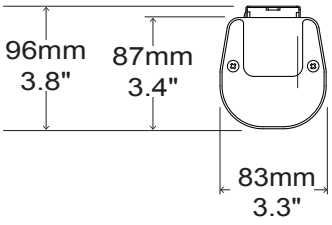
* LX1E emergency battery back-up is available in standard 40 & 60 Watt configuration with an all-inclusive charger, battery, indicator and test switch.
** When ordering JS or JP Wiring options, please specify required conduit hole diameter.
*** Multi Mount system comes standard enabling surface, threaded rod and chain mounting.

Example

Part Number	Part Description
LX2120-JSFL-50DM-SMH	LED Tunnel Light / 211cm - 83" / 120Watt / 100-277VAC / J-Box in Series / Frosted Long / 5000K Cool White / Dimmable / Surface Mount

External Dimensions





Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
4	217 x 24 x 21 cm 85.5 x 9.5 x 8.3 in	26.5 kg 58.4 lbs

LX2120 Series

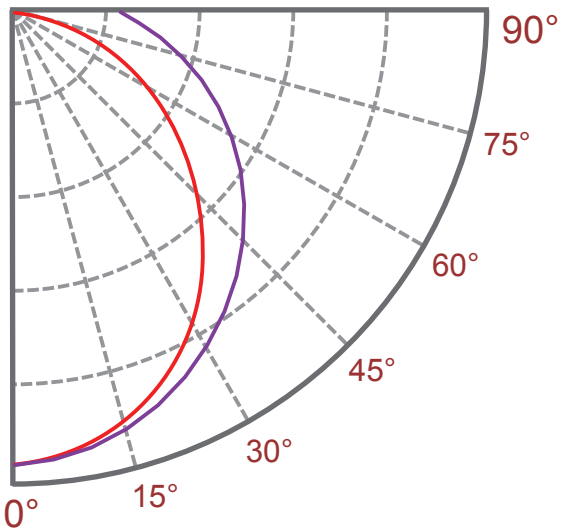
LED Tunnel Lighting - 120Watt

Specification - Clear Medium

Fixture Watts *	120 W
Lumens (Total) *	20,160 lm
Efficacy *	168 lm / W
Number of LEDs & Driving Current	572@65mA
T_S - Solder Point Temp *	58°C / 136°F
L70 Rating @ T_a 25°C	>90K hours
Light Beam Angle	155° @ 80% Flux
Operational Temperature (T_a)	-40° ~ 55°C / -40° ~ 131°F
Input Voltage	100-277VAC 50~60Hz
LED Model	Lumileds / Nichia / Cree
CRI	>80
Lighting Control	Dimmable (0-10V, PWM) / Motion Sensor
Warranty	7-Year Limited
Storage Temperature / Humidity	-40° ~ 80°C / -40° ~ 176°F / IP69K Rated Fixture
Transient Surge Protection	6kV / 3kA (L-L, L-G)

* Test data @ Ta 25ºC. All lumen values have ±7% tolerance
**LX1E emergency battery back up series is available in standard 40 and 60 Watt configurations with an all-inclusive inverter, indicator, and test switch.

Light Distribution Curve



Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	4512	22.4%
0-60	13158	65.3%
0-90	18418	91.4%
0-120	19914	98.8%
0-150	20140	99.9%
0-180	20160	100%

LX2120 Series

LED Tunnel Lighting - 120Watt

Specification - Frosted Long

Fixture Watts *	120 W
Lumens (Total) *	18,240 lm
Efficacy *	152 lm / W
Number of LEDs & Driving Current	572@65mA
T_S - Solder Point Temp *	60°C / 140°F
L70 Rating @ T_a 25°C	>90K hours
Light Beam Angle	155° @ 80% Flux
Operational Temperature (T_a)	-40° ~ 55°C / -40° ~ 131°F
Input Voltage	100-277VAC 50~60Hz
LED Model	Lumileds / Nichia / Cree
CRI	>80
Lighting Control	Dimmable (0-10V, PWM) / Motion Sensor
Warranty	7-Year Limited
Storage Temperature / Humidity	-40° ~ 80°C / -40° ~ 176°F / IP69K Rated Fixture
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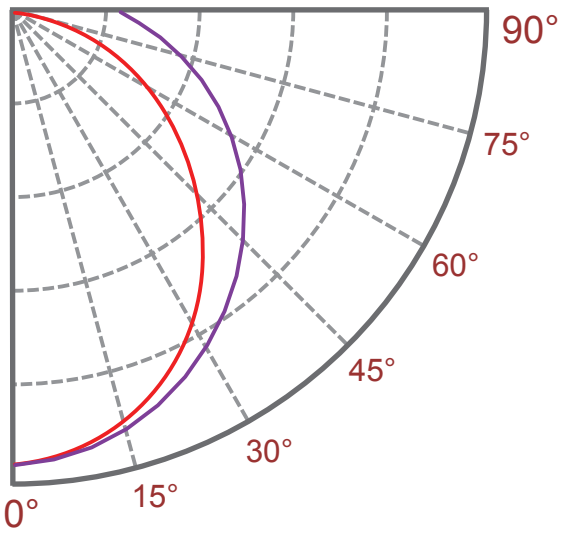

Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	4082	22.4%
0-60	11906	65.3%
0-90	16664	91.4%
0-120	18018	98.8%
0-150	18222	99.9%
0-180	18240	100%

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