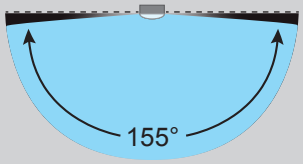
LU0720 Series

LED Industrial Linear Lighting

Advantages of LU Series

- IP67 rated tri-proof (dust, vapor & water-proof) LED linear industrial utility light
- High-efficacy fixture with up to 170 lm/W
- Flexible wattages and lengths ranging from 20~120 Watt
- Robust design with extruded billet aluminum housing and hard UV coated polycarbonate lens & end-caps delivering an outstanding IK10 impact rating
- Glare free 155° wide angle optics reducing fixture count by up to 25%
- Lightweight design with an accessible junction box for simplified installation
- 80 CRI for exceptional color rendition
- Optional smart motion sensing with soft dimming function
- Optional all-inclusive emergency battery backup system of 10 Watt for 90 minutes
- Versatile mounting options for all types of applications
- L70 ≥ 100,000 hours with 7-year limited warranty
- Designed and engineered in the USA



Wide Angle Optics

Applications

- Manufacturing Plants
- Warehouses
- Cold Storage Facilities
- Parking structures
- Telecom Centers
- Clean Rooms
- Supermarkets

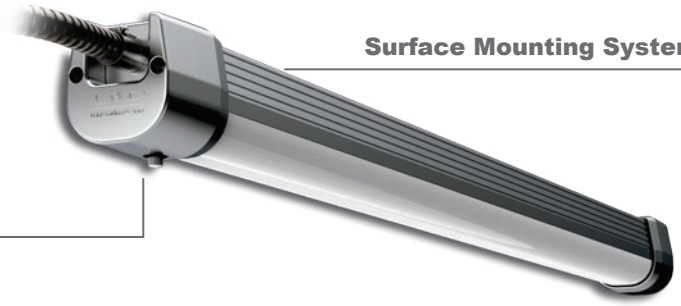
Years Warranty

Wet Location

Impact Resistance

Mounting Options

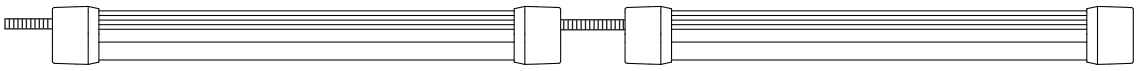
Chain Mounting System - CH2



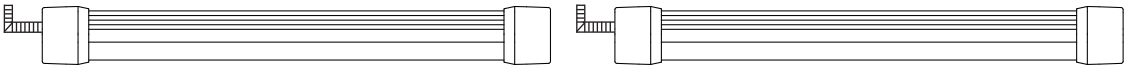
Surface Mounting System - SMH

Wiring Options

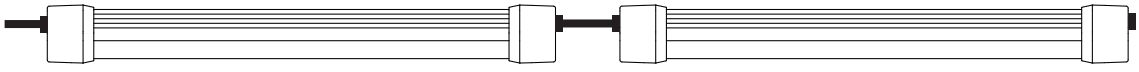
JS - Dual Junction Box with pre-drilled conduit hole on both ends of each fixture for series connection



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

LU0720 Series

LED Industrial Linear Lighting - 20Watt

Ordering Information

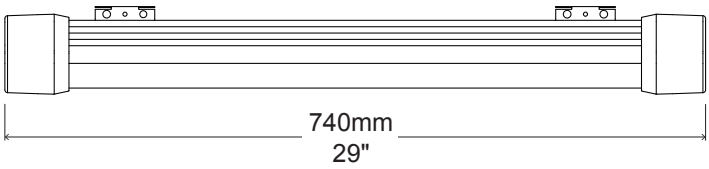
LU	Length & Wattage *	–	Wiring **	Optics	–	CCT	Driver & Control	–	Mounting ***
	0720 = 74cm / 29" / 20Watt 1040 = 111cm / 44" / 40Watt 1E40 = 111cm / 44" / 40/10Watt 1060 = 111cm / 44" / 60Watt 1E60 = 111cm / 44" / 60/10Watt 2080 = 211cm / 83" / 80Watt 2120 = 211cm / 83" / 120watt		JS = J-Box in Series 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 CH2 = 2 Chain Mount

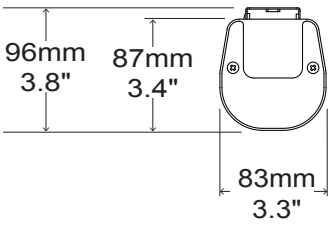
* LU1E emergency battery back up is available in standard 40 and 60 Watt configurations with an all-inclusive charger, battery, indicator and test switch.
** When ordering JS or JP Wiring options, please specify required conduit hole diameter.
*** Multi Mount system comes standard enabling surface, threaded rod and chain mounting.

Example

Part Number	Part Description
LU0720-JSFL-50DM-SMH	LED Industrial Linear Light / 74cm - 29" / 20 Watt / 100-277VAC / J-Box in-Series / Frosted Long / 5000K Cool White / Dimmable / Surface Mount

External Dimensions





Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
6	79 x 36 x 23 cm 30 x 14 x 9 in	13 kg 28.6 lbs

LU0720 Series

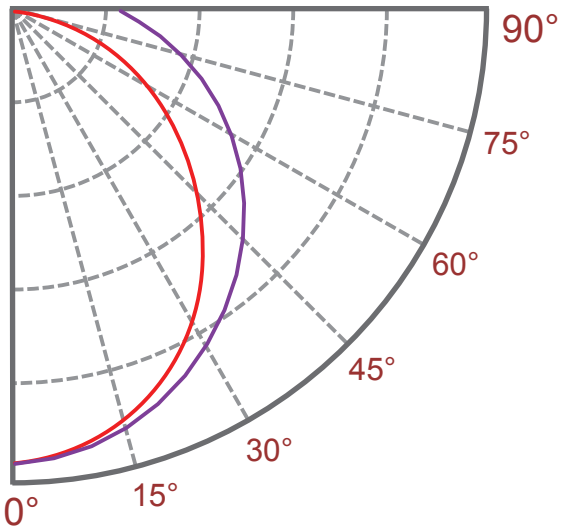
LED Industrial Linear Lighting - 20Watt

Specification - Clear Medium

Fixture Watts *	20 W
Lumens (Total) *	3,440 lm
Efficacy *	172 lm / W
Number of LEDs & Driving Current	104@65mA
T_S - Solder Point Temp *	46°C / 115°F
L70 Rating @ T_a 25°C	>110K 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 / IP67 Rated Fixture
Transient Surge Protection	6kV / 3kA (L-L, L-G)

* Test data @ Ta 25ºC. All lumen values have ±7% tolerance
**LU1E 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	770	22.4%
0-60	2246	65.3%
0-90	3143	91.4%
0-120	3398	98.8%
0-150	3437	99.9%
0-180	3440	100%

LU0720 Series

LED Industrial Linear Lighting - 20Watt

Specification - Frosted Long

Fixture Watts *	20 W
Lumens (Total) *	3,200 lm
Efficacy *	160 lm / W
Number of LEDs & Driving Current	104@65mA
T_S - Solder Point Temp *	47°C / 117°F
L70 Rating @ T_a 25°C	>110K 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
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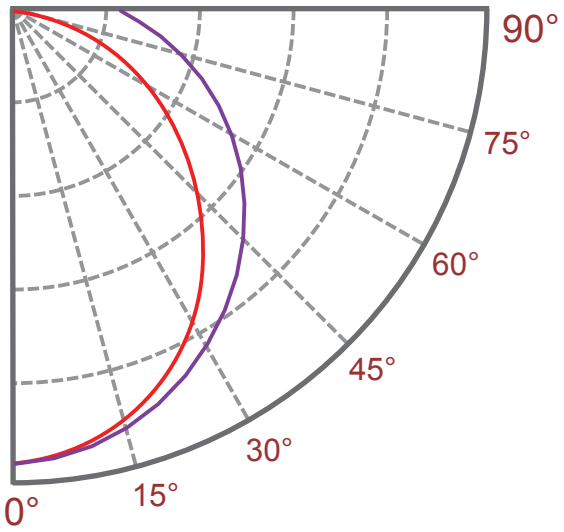

Zonal Lumen Summary

Zone (°)	Lumens	% Fixture
0-30	716	22.4%
0-60	2089	65.3%
0-90	2923	91.4%
0-120	3161	98.8%
0-150	3197	99.9%
0-180	3200	100%

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