

# LU1040 Series

## LED Linear Canopy Lighting



### Advantages of LU Series

- IP67 rated tri-proof (dust, vapor & water-proof) LED canopy light
- High efficacy fixture 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 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 applications
- L70 ≥ 100,000 hours with 7-year limited warranty
- Designed and engineered in the USA



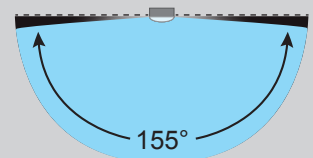
Years Warranty



Wet Location



Impact Resistance



Wide Angle Optics

### Applications

- Gas stations
- Convenience Store
- Building Overhangs
- Entry Canopy
- Walkway Canopy

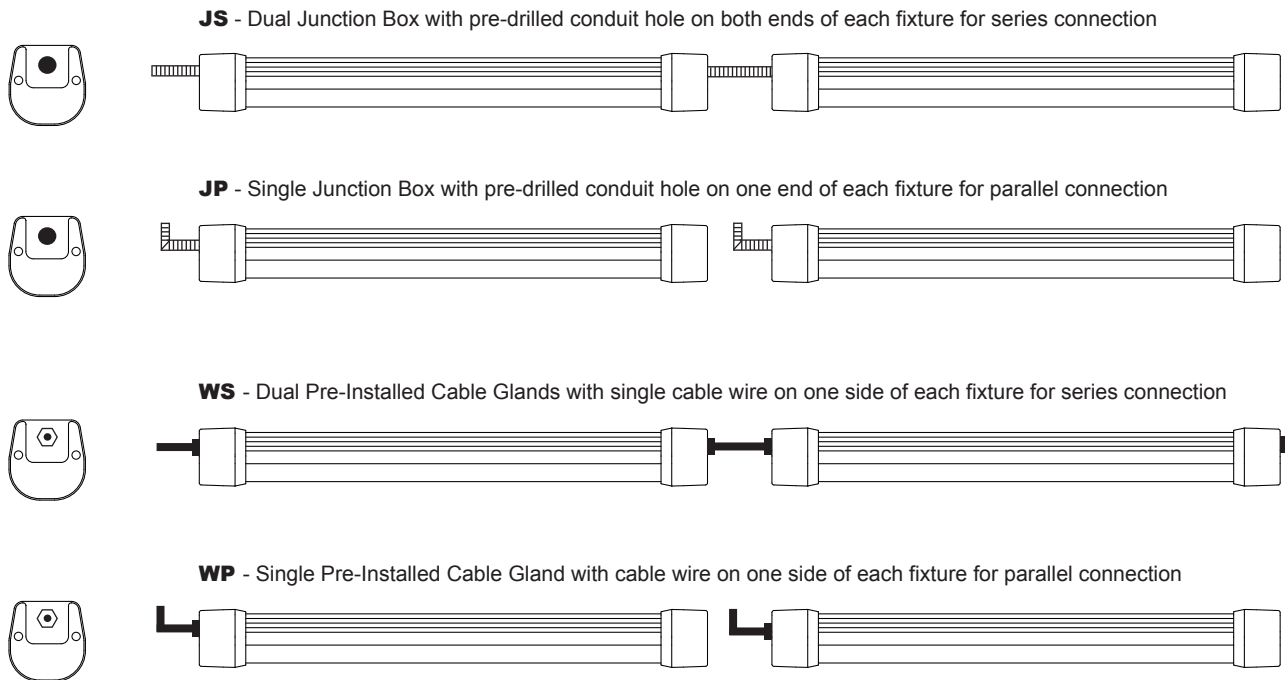
# LU1040 Series

## LED Linear Canopy Lighting

### Mounting Options



### Wiring Options



# LU1040 Series

LED Linear Canopy Lighting- 40Watt

## Ordering Information

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

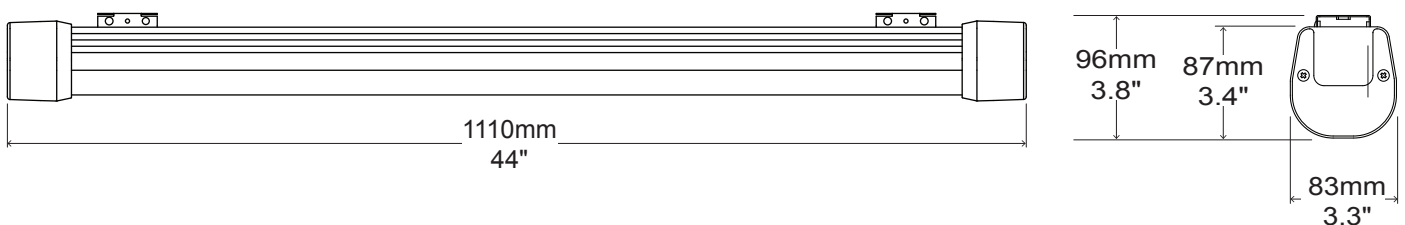
\*\* When ordering JS or JP Wiring options, please specify required conduit hole diameter.

\*\*\* Multi Mount system comes standard enabling surface, threaded rod and chain mounting.

## Example

| Part Number          | Part Description  |
|----------------------|---|
| LU1040-JSFL-50DM-SMH | LED Canopy Light / 111cm - 44" / 40Watt / 100-277VAC / J-Box in Series / Frosted Long / 5000K Cool White / Dimmable / Surface Mount |

## External Dimensions



## Packaging Information

| Case Quantity | Dimensions (LxWxH)                   | Weight          |
|---------------|--------------------------------------|-----------------|
| 6             | 117 x 36 x 21 cm<br>46 x 14 x 8.3 in | 18 kg<br>40 lbs |



# LU1040 Series

LED Linear Canopy Lighting- 40Watt

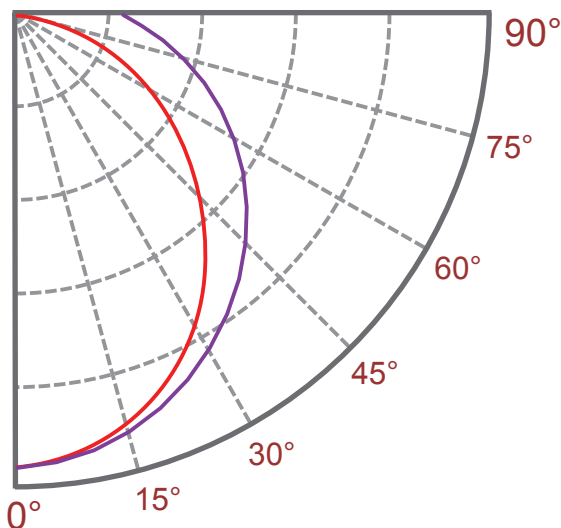
## Specification - Clear Medium / Emergency Battery Back Up

|   |   |              |
|---|---|--------------|
| Model                                     | LU1040  | LU1E40**     |
| Fixture Watts *                           | 40 W  | 10 W / 90min |
| Lumens (Total) *                          | 6,800 lm  | 1,800 lm     |
| Efficacy *                                | 170 lm / W                                      | 180 lm / W   |
| Number of LEDs & Driving Current          | 208@65mA  | 208@22mA     |
| T <sub>s</sub> - Solder Point Temp *      | 51°C / 124°F                                    | 38°C / 100°F |
| L70 Rating @ T <sub>a</sub> 25°C          | >100K hours                                     | >140K hours  |
| Light Beam Angle                          | 155° @ 80% Flux                                 |              |
| Operational Temperature (T <sub>a</sub> ) | -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 @ T<sub>a</sub> 25°C. 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



C0/C180 ————  
C90/C270 ————

## Zonal Lumen Summary

| Zone (°) | Lumens | % Fixture |
|----------|--------|-----------|
| 0-30     | 1522   | 22.4%     |
| 0-60     | 4439   | 65.3%     |
| 0-90     | 6212   | 91.4%     |
| 0-120    | 6717   | 98.8%     |
| 0-150    | 6793   | 99.9%     |
| 0-180    | 6800   | 100%      |

# LU1040 Series

LED Linear Canopy Lighting- 40Watt

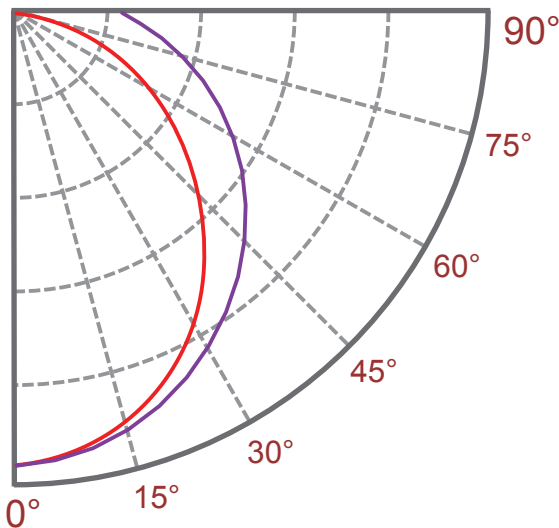
## Specification - Frosted Long / Emergency Battery Back Up

|   |   |              |
|---|---|--------------|
| Model                                     | LU1040  | LU1E40**     |
| Fixture Watts *                           | 40 W  | 10 W / 90min |
| Lumens (Total) *                          | 6,240 lm  | 1,660 lm     |
| Efficacy *                                | 156 lm / W                                      | 166 lm / W   |
| Number of LEDs & Driving Current          | 208@65mA  | 208@22mA     |
| T <sub>s</sub> - Solder Point Temp *      | 52°C / 126°F                                    | 39°C / 102°F |
| L70 Rating @ T <sub>a</sub> 25°C          | >100K hours                                     | >140K hours  |
| Light Beam Angle                          | 155° @ 80% Flux                                 |              |
| Operational Temperature (T <sub>a</sub> ) | -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 @ T<sub>a</sub> 25°C. 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



C0/C180 ————

C90/C270 ————

## Zonal Lumen Summary

| Zone (°) | Lumens | % Fixture |
|----------|--------|-----------|
| 0-30     | 1397   | 22.4%     |
| 0-60     | 4073   | 65.3%     |
| 0-90     | 5701   | 91.4%     |
| 0-120    | 6164   | 98.8%     |
| 0-150    | 6234   | 99.9%     |
| 0-180    | 6240   | 100%      |