



# Round Linear Fixture



## Benefits

### Low Energy Consumption.

- 7 (w/ft, w/305mm).

### Free of UV and IR emissions.

- No product and packaging discoloration.

### Lower Maintenance Cost.

- 50,000 hour life.

### Environmentally Friendly.

- No mercury or other hazardous materials.
- Fully Recyclable

The Round is a low profile, linear LED fixture that delivers high quality white light for display cases, under shelves, exhibits, coves, alcoves, showcases and architectural applications.

## Features

### Typical Lumens

|               |                       |
|---------------|-----------------------|
| Warm White    | 240 (lm/ft, lm/305mm) |
| Neutral White | 260 (lm/ft, lm/305mm) |
| Cool White    | 320 (lm/ft, lm/305mm) |

### Power Consumption<sup>1</sup>

|               |                   |
|---------------|-------------------|
| Warm White    | 7 (w/ft, w/305mm) |
| Neutral White | 6 (w/ft, w/305mm) |
| Cool White    | 7 (w/ft, w/305mm) |

### Efficacy<sup>1</sup>

|               |           |
|---------------|-----------|
| Warm White    | 34 (lm/w) |
| Neutral White | 43 (lm/w) |
| Cool White    | 46 (lm/w) |

### Color Temperature (CCT)

|               |       |
|---------------|-------|
| Warm White    | 2950K |
| Neutral White | 4100K |
| Cool White    | 5200K |

### Color Rendering Index (CRI)<sup>2</sup>

|               |    |
|---------------|----|
| Warm White    | 78 |
| Neutral White | 70 |
| Cool White    | 70 |

### Rated Life

50,000 Hours @  
70% Lumen Maintenance

### Housing

|                 |                  |
|-----------------|------------------|
| <i>Standard</i> | Natural Aluminum |
| <i>Optional</i> | Black            |

### Mounting

All Options Included

### Connections

Available with multiple series of fixtures

### Lens

Prismatic Acrylic

### Beam Spread

45°

### Operating Temperature

-40°C to +40°C

### Voltage

20 Volts DC (24VDC Max.)

### Warranty

3 Year Limited

### Standards

UL48, UL2108

### Certification



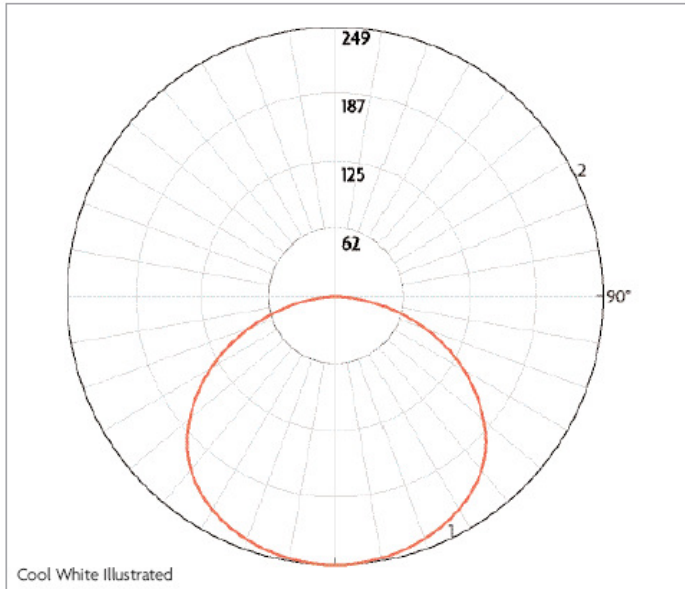
### Environment



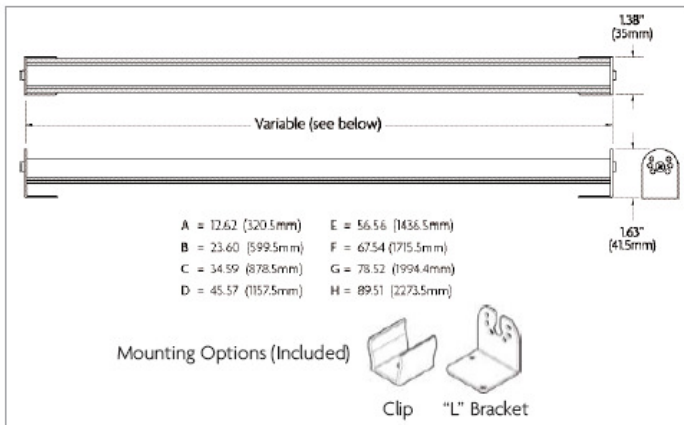
<sup>1</sup> Fixture power consumption for 24.0 VDC is 7 watts per foot max.

<sup>2</sup> Engineering data, pending photometric testing.

Fixture Tested: Cool White, B



Maximum candela = 249 Located at Horizontal Angle = 0, Vertical Angle = 1  
 #1—Vertical Plane Through Horizontal Angles (0–180) (Through Max. Cd.) : BLUE  
 #2—Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.) : RED



Dimensions shown in inches (mm)

**Cautions**

- Dry location use only.
- Fixtures are suitable for cabinet use or for surface mounting inside a cabinet.
- UL and ETL recognition is valid when fixtures are used only with 24 VDC, 4 Amp max output Class 2 power units that are cord connected or direct plug-in.

**Luminance Data (cd/sq.m)**

| Angle In Degrees | Average 0° | Average 45° | Average 90° |
|------------------|------------|-------------|-------------|
| 45°              | 17,164     | 16,946      | 15,860      |
| 55°              | 15,535     | 14,731      | 12,856      |
| 65°              | 13,450     | 11,996      | 9,815       |
| 75°              | 10,684     | 8,903       | 6,826       |
| 85°              | 6,169      | 4,407       | 7,051       |

**Zonal Lumen Summary**

| Zone   | Lumens | % Lamp | % Fixt |
|--------|--------|--------|--------|
| 0–30   | 181.83 | N.A.   | 28.5   |
| 0–40   | 283.56 | N.A.   | 44.5   |
| 0–60   | 485.46 | N.A.   | 76.1   |
| 0–90   | 637.79 | N.A.   | 100.0  |
| 90–120 | 0      | N.A.   | 0      |
| 90–130 | 0      | N.A.   | 0      |
| 90–150 | 0      | N.A.   | 0      |
| 90–180 | 0      | N.A.   | 0      |
| 0–180  | 637.79 | N.A.   | 100.0  |



**Product Order Code:**

Order Code Example: LLT-5-RL-CW-56.56-MTL-18-DFF-BLK

| LLT | 5 | RL | Color Temp | Fixture Length | Power Connection | DC Cable Wire Length | DFF | Finish |
|-----|---|----|------------|----------------|------------------|----------------------|-----|--------|
|     |   |    | CW         | 12.62          | MTL              | 6                    |     | BLK    |
|     |   |    | NW         | 23.6           | SGM              | 18                   |     | NTL    |
|     |   |    | WW         | 34.59          |                  | 48                   |     |        |
|     |   |    | RGB        | 45.57          |                  |                      |     |        |
|     |   |    |            | 56.56          |                  |                      |     |        |
|     |   |    |            | 67.54          |                  |                      |     |        |
|     |   |    |            | 78.52          |                  |                      |     |        |
|     |   |    |            | 89.51          |                  |                      |     |        |

**Power Supply Compatibility**

Must be ordered separately

| Power Supply Part No.        | Fixture Length (Max) (Inches/Mm) | DC Output Voltage   | Input Voltage | Output Wattage | AC Cord <sup>1</sup> Options        | DC Cord (Inches/Mm) | Certifications                                    | IP Rating    | Operating Temp | Frequency   | Weight (Ounces/Grams) |
|------------------------------|----------------------------------|---------------------|---------------|----------------|-------------------------------------|---------------------|---|--------------|----------------|-------------|-----------------------|
| Fixture Only (w/ft, w/305mm) |                                  | 5.7                 |               |                |                                     |                     |   |              |                |             |                       |
| PS 025W 1 <sup>4</sup>       | 48 / 1219                        | 21 VDC              | 120 VAC       | 25W            | Wall-Mount USA Plug                 | 1 - 48 / 1 - 1219   | UL, cUL, VCCI, CB                                 | Dry Location | 0° to 40°C     | 60Hz        | 5.2 / 145             |
| PS 025W 2/3                  | 48 / 1524                        | 21 VDC              | 100-240 VAC   | 25W            | Univ. AC, Wall-Mount, UK, EU, Japan | 1 - 48 / 1 - 1219   | UL, cUL, VCCI, CB                                 | Dry Location | 0° to 40°C     | 50/60 Hz    | 9.4 / 262             |
| PS 025 1 <sup>4</sup>        | 48 / 1524                        | 24 VDC              | 85-277 VAC    | 25W            | NEMA 5-15P                          | 1 - 48 / 1 - 1219   | UL <sup>2</sup> , cUL <sup>2</sup> , CE, ETL, FCC | Dry Location | -25° to 50°C   | 50/60 Hz    | 11b-9.6oz / 725       |
| PS 025 2                     |                                  |                     |               |                | UK-Type G                           |                     |   |              |                |             |                       |
| PS 025 3                     |                                  |                     |               |                | EU-Type E                           |                     |   |              |                |             |                       |
| PS 025 4                     |                                  |                     |               |                | AU-Type I                           |                     |   |              |                |             |                       |
| PS 060 1 <sup>4</sup>        | 120 / 3048                       | 24 VDC              | 100-240 VAC   | 60W            | NEMA 5-15P                          | 2 - 48 / 2 - 1219   | UL, cUL, CE, ETL, FCC                             | IP64         | -25° to 50°C   | 50/60 Hz    | 21b-3.6oz / 1010      |
| PS 060 2                     |                                  |                     |               |                | UK-Type G                           |                     |   |              |                |             |                       |
| PS 060 3                     |                                  |                     |               |                | EU-Type E                           |                     |   |              |                |             |                       |
| PS 060 4                     |                                  |                     |               |                | AU-Type I                           |                     |   |              |                |             |                       |
| Dimmable <sup>3</sup>        | 120 / 3048                       | 24 VDC (Adjustable) | 100-240 VAC   | 60W            | NEMA 5-15P                          | 2 - 48 / 2 - 1219   | Pending   | IP64         | -30° to 70°C   | 47 to 63 Hz | 21b-9oz / 1177        |
| PSDM 060 1 <sup>4</sup>      |                                  |                     |               |                | UK-Type G                           |                     |   |              |                |             |                       |
| PSDM 060 2                   |                                  |                     |               |                | EU-Type E                           |                     |   |              |                |             |                       |
| PSDM 060 3                   |                                  |                     |               |                | AU-Type I                           |                     |   |              |                |             |                       |
| PS 096 1 <sup>4</sup>        | 192 / 4876                       | 24 VDC (Adjustable) | 90-240 VAC    | 96W            | NEMA 5-15P                          | 3 - 48 / 3 - 1219   | UL, cUL, CE, ETL, FCC, CISPR, Class B             | IP66**       | -30° to 70°C   | 47 to 63 Hz | 21b-9.1oz / 1177      |
| PS 096 2                     |                                  |                     | OR            |                | UK-Type G                           |                     |   |              |                |             |                       |
| PS 096 3                     |                                  |                     | 90-277 VAC    |                | EU-Type E                           |                     |   |              |                |             |                       |
| PS 096 4                     |                                  |                     |               |                | AU-Type I                           |                     |   |              |                |             |                       |
| Dimmable <sup>3</sup>        | 192 / 4876                       | 24 VDC (Adjustable) | 90-240 VAC    | 96W            | NEMA 5-15P                          | 2 - 48 / 2 - 1219   | Pending   | IP66**       | -30° to 70°C   | 47 to 63 Hz | 21b-9oz / 1177        |
| PSDM 096 1 <sup>4</sup>      |                                  |                     | OR            |                | UK-Type G                           |                     |   |              |                |             |                       |
| PSDM 096 2                   |                                  |                     | 90-277 VAC    |                | EU-Type E                           |                     |   |              |                |             |                       |
| PSDM 096 3                   |                                  |                     |               |                | AU-Type I                           |                     |   |              |                |             |                       |
| PSDM 096 4                   |                                  |                     |               |                |                                     |                     |   |              |                |             |                       |

1. Power Supply P/N with "1" suffix is USA/Japan Plug, "2" is European UK Plug, "3" is EU Plug, "4" is Australian/New Zealand, "5" is Wire Leads.

2. Approval pending.

3. Currently tested for use with the following 3-wire dimmers Leviton Illumatech IP710-DLX; Lutron® Nova NTFTV; Lithonia Control Systems Advance Mark VII, and Hunt Control Systems PS-010.

4. Products using a NEMA 5-15P AC connector for the input cord must be marked with 120 VAC per UL and ETL guidelines; even if the power supply capability is 100-277 VAC.

\* IP66 in accordance to EN60529. Contact factory for conditions of acceptability.

\*\*The power supply primary strain relief must be changed by the customer for a connection to liquid tight conduit fitting. The liquid tight shall be provided by the customer with listed (QCRV) 1/2 inch, liquid tight conduit fittings. When field wired, a junction box is not provided. Installer is to use a UL listed junction box suitable for use in wet location for primary leads connection.