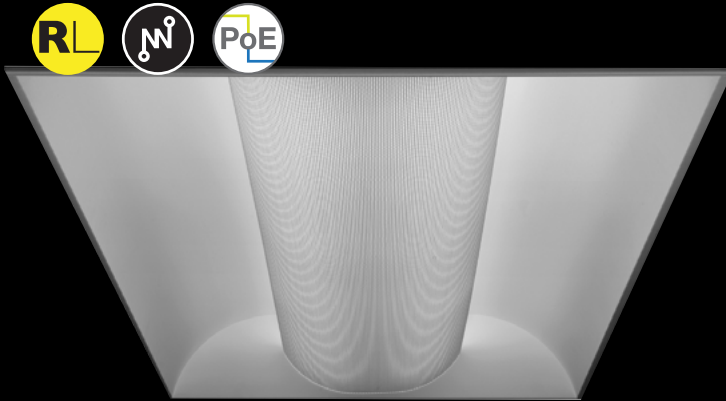
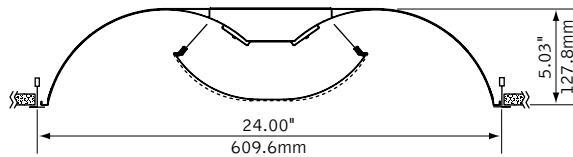


Luna® 2x4

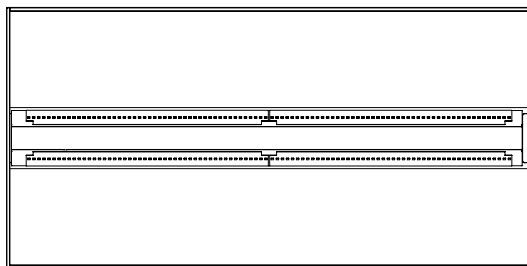
LED



DIMENSIONAL DATA



Overall height of ST luminaire is 5.5"



4 LED boards

FEATURES

Architectural recessed LED luminaire with perforated center basket.

Classic style updated with the latest technology.

Reflector and end caps form seamless one-piece housing.

High reflectance, low gloss Matte White finish controls glare.

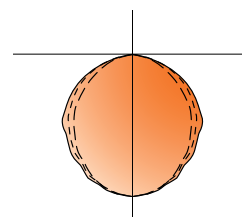
Comparable output to fluorescent versions with reduced wattage.

Luna® LED provides high angle uniform distribution ideal for comfortable general illumination.

Connected Solutions: Integrates with wired and wireless building lighting control systems.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

PERFORMANCE



PRODUCT OVERVIEW

| | |
|---------------|-------------|
| Lumen Output: | 3000-7000lm |
| Wattage: | 30-83W |
| LPW: | 83-101 |
| SDCM: | 3 |

Delivered Lumens: 5000lm

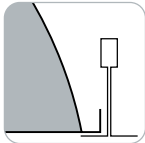
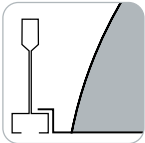
Total System Watts: 56W

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

MOUNTING INFORMATION

grid

specify "G" for flat 9/16" and 15/16" tee or "ST" for 9/16" slot tee grid types.

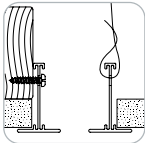
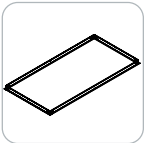



"G" flat tee "ST" slot tee

Overall height for ST luminaire is 5.50".

drywall frame kit

specify "DF" Drywall Frame Kit for drywall ceiling conditions.

Use tie-wire or screws to secure frame kit.

cut out dimensions:
 2': Min: 24.25" Max: 24.563"
 4': Min: 48.25" Max: 48.563"

SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 2700K, 3000K, 3500K or 4000K with CRI>80 or CRI>90. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. 0-10V dimming driver standard. LED modules and drivers are replaceable.

Construction

One-piece 20 Ga. steel reflector and housing. 20 Ga. steel ends form finished housing.LEDs are shielded by detachable 22 Ga. steel perforated shield with acrylic lens insert. LED shield is secured by four spring-pins allowing shield to hinge down for maintenance. Top access 20 Ga. steel driver compartment. Weight: 29 lbs.

Optic

One-piece 20 Ga. steel reflectors finished in Matte Satin White powder coat.

Electrical

Standard 120-277V driver includes 0-10V analog dimming, dimming range 100% - 10% Power factor > .9. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Emergency

Emergency battery output—10 watts for 90 minutes. High Output emergency battery—20 watts for 90 minutes (UNV only). Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFSD, NLT1, CLM1, NXE1, WLXP) requires a UL924 compliant device, consult factory.

Labels

UL and cUL Listed. Suitable for Dry or Damp Locations, indoor use only.

Finish

Polyester powder coat applied over a multi-stage pre-treatment. Optional Anti-Microbial paint finish available.

Lumen Maintenance

Reported:

L70 > 60,000 hours

L80 > 60,000 hours

Calculated:

L70 at > 124,000 hours

L80 at > 78,000 hours

(Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.)

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Lifetime and warranty

LED System rated for operation in ambient environments up to 25°C. 5-year limited warranty.

PERFORMANCE CHART











| Lumen Output | Tested System Watts | LPW | Lumen Output | Tested System Watts | LPW |
|--------------|---------------------|-----|--------------|---------------------|-----|
| 3000 | 30 | 101 | 5500 | 61 | 91 |
| 3500 | 35 | 100 | 6000 | 68 | 88 |
| 4000 | 43 | 95 | 6500 | 76 | 85 |
| 4500 | 48 | 94 | 7000 | 83 | 83 |
| 5000 | 56 | 92 | | | |

Based on 3500K, 80 CRI. Lumen multipliers:
 Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

| ORDERING | | |
|--|-------------|------|
| Luminaire Series | | FLUL |
| Luna LED | FLUL | |
| Nominal Size | | 24 |
| 2' x 4' | 24 | |
| Shielding | | PS |
| Perforated Shield | PS | |
| Lumen Output | | |
| 3000 Lumens* | 3000L | |
| 3500 Lumens* | 3500L | |
| 4000 Lumens | 4000L | |
| 4500 Lumens | 4500L | |
| 5000 Lumens | 5000L | |
| 5500 Lumens | 5500L | |
| 6000 Lumens* | 6000L | |
| 6500 Lumens* | 6500L | |
| 7000 Lumens* (*LD1 & L11 only) | 7000L | |
| Color Temperature | | |
| 2700K, 80+ CRI or 90+ CRI | 27K or 927K | |
| 3000K, 80+ CRI or 90+ CRI | 30K or 930K | |
| 3500K, 80+ CRI or 90+ CRI | 35K or 935K | |
| 4000K, 80+ CRI or 90+ CRI | 40K or 940K | |
| Circuit | | 1C |
| Single Circuit | 1C | |
| Voltage | | |
| UNV 120/277 Volt | UNV | |
| Low Voltage | LV | |
| Control System & Dimming Level | | |
| 0-10V - 1% Dimming | L11 | |
| 0-10V - 10% Dimming (Not Right Light as standard, consult factory) | LD1 | |
| Low Voltage, PoE compatible (No driver. Not available with EM or EC LV Voltage only) | LVN | |
| Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming | LH1 | |
| Wattstopper DLM - 1% Dimming (Not available with CP) | DLM1 | |
| Wattstopper Fixture Sensor | LMFS1 | |
| Low Density - 1% Dimming | LMFSD | |
| Wattstopper Fixture Sensor | | |
| High Density - 1% Dimming | NLT1 | |
| Acuity nLight - 1% Dimming (Not available with CP) | CLM1 | |
| Encelium CLM Connected Lighting Module - 1% Dimming | NXE1 | |
| Current NX Enabled - 1% Dimming (Not available with CP) | WLXP | |
| WaveLinX Pro - 1% Dimming | | |
| Mounting | | |
| 24" Aircraft Cable | C24 | |
| 48" Aircraft Cable | C48 | |
| 96" Aircraft Cable | C96 | |
| Drywall Frame Kit (Not available with CLM1, DLM1, NLT1 or NXE1) (Cut out dimensions: Min: 24.25"/Max: 24.563" Min: 48.25"/Max: 48.563") | F | |
| Grid | G | |
| Slot Tee | ST | |
| Surface Mount (Not available with CLM1, DLM1, NLT1 or NXE1) | SM | |
| Factory Options | | |
| Air Return (Adds 0.875" to overall height.) | AR | |
| Chicago Plenum (Not available with flex whip) | CP | |
| Emergency Battery [†] (Adds 3.25" to overall height.) | EM | |
| High Output Emergency Battery (Adds 3.25" to overall height. UNV only.) | B20 | |
| Positional Clip | EQ | |
| 6' New York City Flex Whip (120V) | FNY1 | |
| 6' New York City Flex Whip (277V) | FNY2 | |
| 6' Flex Whip | FW | |
| Finish | | |
| Matte Satin White | WH | |
| Matte Satin White Anti-Microbial | WHA | |

QS 5/10+ DAY Options in orange qualify for the Quickskip program. 5-day up to 100 pieces, 10-day up to 300 pieces. Emergency Battery is 10-day only. Refer to Quickskip Guide for complete details.

Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort. All Connected Solutions luminaires require a compatible building control system.†

| Connected Solution | Ordering Code | Model #** | Protocol | Compatible Networks* | Occupancy & Daylight | Temperature Reporting | Communication to Luminaire | Drivers |
|--|---------------|---------------------|-------------------|--|----------------------|-----------------------|---|---|
|  legrand® WATTSTOPPER® | | | | | | | Wired | Advance by Signify, Optotronic by eldoLED |
| | DLM1 | LMFC-011 | DLM | DLM | Enabled | No |  | |
| | LMFS1 | LMFS-601 & LMFI-111 | DLM Wireless | DLM | Enabled | No | Wireless | Advance by Signify |
| | LMFSD | LMFS-601 | | | | | | Optotronic by eldoLED (Dexal) |
|  COOPER Lighting Solutions | WLXP | OEM-WAA | WaveLinx Wireless | WaveLinx Pro Trellix | Enabled | No | Wireless (WaveLinx Pro Wireless Area Controller) | Advance by Signify |
|  CRESTRON | L11 | Specified Driver | 0-10V | Crestron Züm Wireless & SpaceBuilder | Enabled | No | Wired | Advance by Signify |
|  ENCELIUM | CLM1 | ZBHA-CLM-DIM-ENC | ZigBee | Encelium X Light Management System | Enabled | No | Wireless | Optotronic by eldoLED Advance by Signify |
|  LUTRON | LH1 | LDE1 | EcoSystem | Quantum, Energi Savr Node, Energi TriPak | Enabled | No | Wired | Lutron Hi-Lume |
|  nLIGHT | NLT1 | nEPS-60-IO | nLight | nLight | Enabled | No | Wired | eldoLED ECoDrive, eldoLED SOLOdrive |
| | | | | | | |  | |
|  NX LIGHTING CONTROLS® | NXE1 | NXFM-LV | NX | NX Distributed Intelligence | Enabled | No | Wired | Optotronic by eldoLED |
| | | | | | | |  | |

*Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in **bold**. To specify a particular driver please consult factory.
†Controls systems supplied by others.