Luna® 2x4

LED

FOCAL POINT®

DIMENSIONAL DATA

5.03" / 127.8mm

24.00" / 609.6mm

Overall height of ST luminaire is 5.5"

4 LED boards
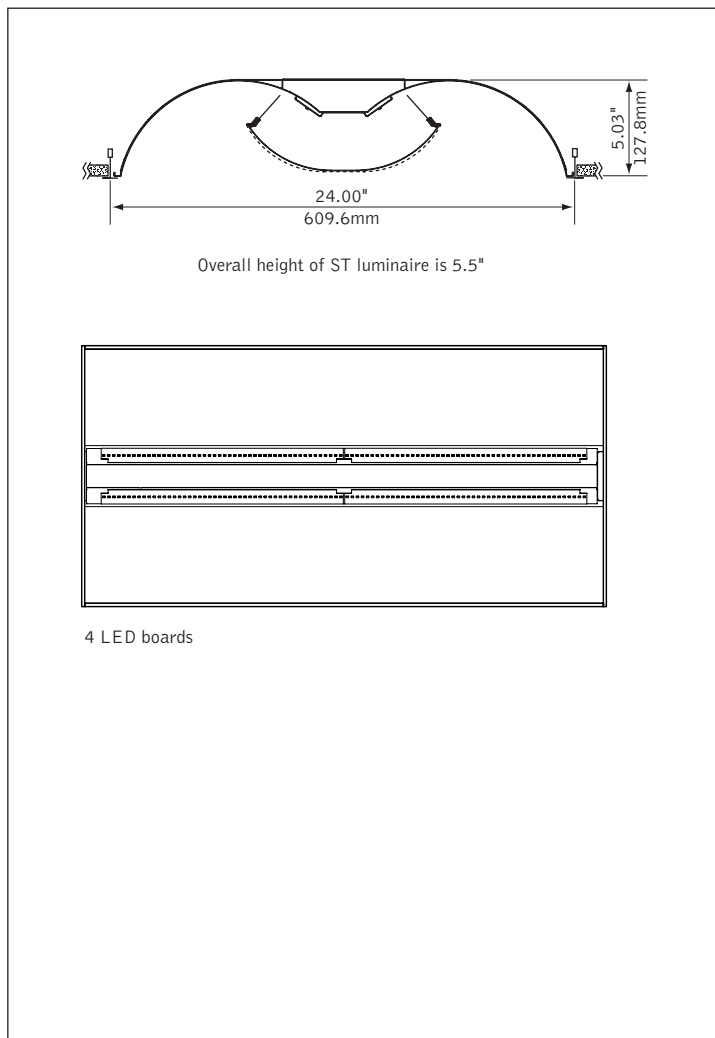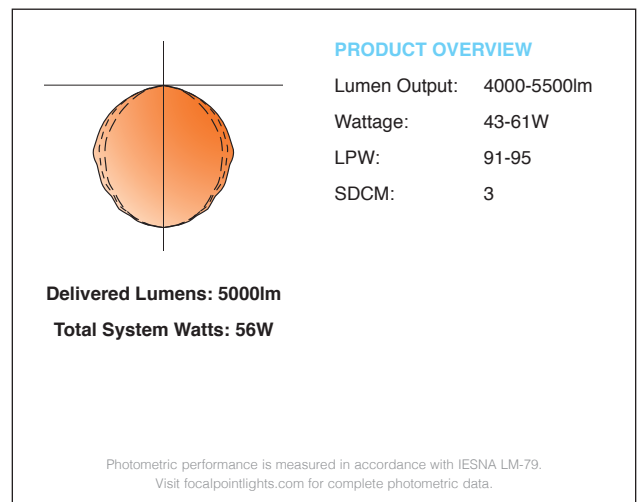
FEATURES

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.

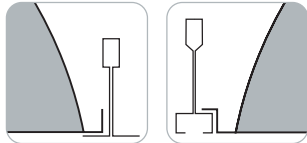Preferred Light: Lighting for better color rendition and human preference.

PERFORMANCE

PRODUCT OVERVIEW

Lumen Output:	4000-5500lm
Wattage:	43-61W
LPW:	91-95
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.

drywall frame kit
specify "DF" Drywall Frame Kit for drywall ceiling conditions.
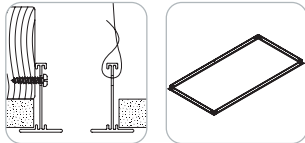
"G" flat tee   "ST" slot tee

Overall height for ST luminaire is 5.50".

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. 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.

Emergency Battery
Bodine BSL310–CAN. Emergency output—10 watts for 90 minutes.
Bodine BSL20LV (U.S. only). Emergency output—20 watts for 90 minutes.

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.

Lumen Maintenance
Reported: L70 > 60,000 hours   Calculated: L70 at > 124,000 hours
           L80 > 60,000 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

Delivered Lumens	Tested System Watts	LPW
4000 Lumens	43	95
4500 Lumens	48	94
5000 Lumens	56	92
5500 Lumens	61	91

Based on 3500K, 80 CRI. Lumen multipliers: Preferred Light = 0.65, 90+ CRI = 0.87.
Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

ORDERING

|		
Luminaire Series		**FLUL**
Luna LED	FLUL	
Nominal Size		**24**
2' x 4'	24	
Shielding		**PS**
Perforated Shield	PS	
Lumen Output		_____
4000 Lumens	4000L	
4500 Lumens	4500L	
5000 Lumens	5000L	
5500 Lumens	5500L	
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	
3500K, Preferred Light	P35K	
Circuit		**1C**
Single Circuit	1C	
Voltage		_____
UNV 120/277 Volt	UNV	
Control System & Dimming Level		_____
0-10V - 1% Dimming	L11	
0-10V - 10% Dimming	LD1	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
Lutron 5-Series EcoSystem (LDE5) - 5% Dimming	LU5	
Acuity nLight - 1% Dimming	NLT1	
(Not available with CP)		
Enlighted Smart Sensor - 1% Dimming	ENL1	
Osram Connected Lighting Module for ENCELIUM systems - 1% Dimming (Compatible with Osram ENCELIUM and ENCELIUM EDGE systems only)	CLM1	
Osram Connected Lighting Module for ZigBee Wireless Networks - 1% Dimming (Not compatible with Osram ENCELIUM systems)	CLMZ1	
Wattstopper DLM - 1% Dimming	DLM1	
Mounting		_____
24" Aircraft Cable	C24	
48" Aircraft Cable	C48	
96" Aircraft Cable	C96	
Drywall Frame Kit (LD1, L11, LH1 & LU5 only) (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 DLM1 or NLT1)	SM	
Factory Options		
Air Return (Adds 0.875" to overall height)	AR	_____
Chicago Plenum	CP	_____
Bodine BSL310 Emergency Battery (Adds 3.25" to overall height)	B310	_____
Bodine BSL20LV High Output Emergency Battery (Adds 3.25" to overall height. U.S. 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		**WH**
Matte Satin White	WH	

QS 5/10 DAY* Options in orange qualify for the Quickship program. 5-day up to 100 pieces, 10-day up to 300 pieces. Refer to Quickship Guide for complete details.

For more information visit focalpointlights.com/reference or consult factory.

CONNECTED SOLUTIONS

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.†
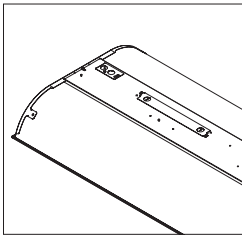
nLIGHT

nLight® provides a two-way wired digital lighting system allowing for on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting.

Acuity nLight - 1% Dimming (NLT1)
Acuity Model #nEPS-60-IO
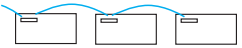
CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.

enlighted

Enlighted smart sensor allows for occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.

Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model #SU-4E-01

OSRAM

Connected Lighting Module (CLM) enables each luminaire to be independently controlled and configured. Communicates wirelessly with Daintree Networks®, Osram ENCELIUM®, Osram ENCELIUM EDGE™, and other networks using the ZigBee® HA communication protocol to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Osram CLM - 1% Dimming (CLM1 & CLMZ1)
Osram Model #ZBHA-CLM DIM

Serial labels will be provided on outside of luminaires and control unit.

legrand WATTSTOPPER®
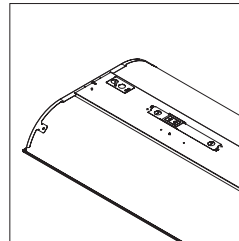
A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Wattstopper DLM - 1% Dimming (DLM1)
Wattstopper Model #LMFC-011

CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.
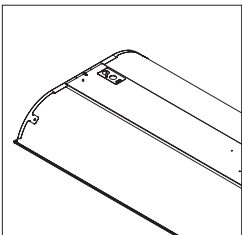
LUTRON

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting working with Quantum®, Energi Savr Node™, and Energi TriPak® using EcoSystem® communication protocol.

Lutron Hi-Lume EcoSystem - 1% Dimming (LH1)
Lutron Model #LDE1
Lutron 5-Series EcoSystem - 5% Dimming (LU5)
Lutron Model #LDE5
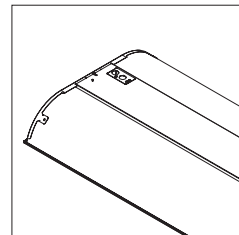
CRESTRON

A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting. Communicates with Zūm wireless and SpaceBuilder working with Zūm hub scheduling or FUSION management.

0-10V - 1% Dimming (L11)
Note: 0-10V is not a digital network but is compatible with Creston Zūm™ system.

CONNECTED SOLUTIONS DETAILS

Connected Solution	Model #	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire	Drivers
Acuity nLight (NLT1)	nEPS-60-IO**	nLight	nLight	Enabled	Enabled	No	Wired	**eldoLED ECOdrive,** eldoLED SOLOdrive
Crestron (L11)	Specified Driver	0-10V	Crestron Zūm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	**Philips Xitanium**
Enlighted Smart Sensor (ENL1)	SU-4E-01**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	**Philips SimpleSet,** Osram Optotronic
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	**Philips SimpleSet,** Osram Optotronic
Lutron EcoSystem (LH1 & LU5)	LDE1,** LDE5**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	**Lutron Hi-Lume Lutron 5-Series**
Osram CLM for ENCELIUM systems (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & ENCELIUM EDGE	Enabled	Enabled	No	Wireless	**Osram Optotronic**
Osram CLM for ZigBee Wireless Networks (CLMZ1)	ZBHA-CLM**	ZigBee HA	Daintree Networks & open ZigBee Networks	Enabled	Enabled	No	Wireless	**Osram Optotronic**

*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.