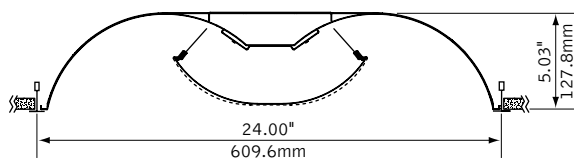


Luna® 2x2

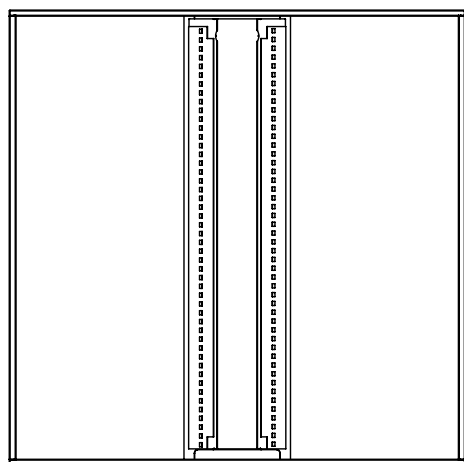
LED



DIMENSIONAL DATA



Overall height of ST luminaire is 5.5"



2 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.

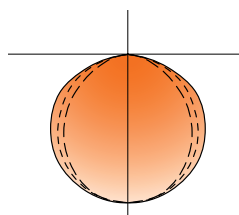
Comparable output to fluorescent versions with reduced wattage.

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:	2000-4000lm
Wattage:	23-48W
LPW:	84-89
SDCM:	3

Delivered Lumens: 2500lm

Total System Watts: 28W

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

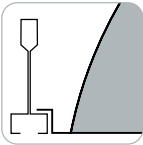
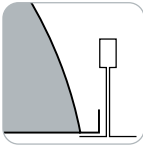
fixture:

project:

MOUNTING INFORMATION

grid

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

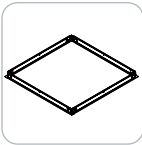
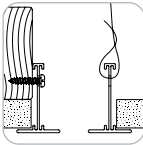


"G" flat tee "ST" slot tee

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"

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 (WSPC, WSPS, NLT1, 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	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
2000 Lumens	23	89
2500 Lumens	28	88
3000 Lumens	34	87
3500 Lumens	41	85
4000 Lumens	48	84

Based on 3500K, 80 CRI. Lumen multipliers:
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	22
2' x 2'	22
Shielding	PS
Perforated Shield	PS
Lumen Output	
2000 Lumens	2000L
2500 Lumens	2500L
3000 Lumens	3000L
3500 Lumens	3500L
4000 Lumens (LD1 & L11 only)	4000L
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 - 10% Dimming (Not Right Light as standard, consult factory)	LD1
0-10V - 1% Dimming	L11
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 PLUS: Connected Light Module (0-10V standard. Consult factory for DALI)	WSPC
Wattstopper PLUS: SensiLUM Wireless Sensor (0-10V standard. Consult factory for DALI)	WSPS
Acuity nLight - 1% Dimming (Not available with CP)	NLT1
Current NX Enabled - 1% Dimming (Not available with CP)	NXE1
WaveLinX Pro - 1% Dimming	WLXP
Mounting	
24" Aircraft Cable†	C24
48" Aircraft Cable†	C48
96" Aircraft Cable†	C96
Drywall Frame Kit (Not available with WSPC, NLT1 or NXE1.) (Cut out dimensions: Min: 24.25"/Max: 24.563")	F
Grid	G
Slot Tee	ST
Surface Mount (Not available with WSPC, 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 Clips	EQ
6' New York City Flex Whip (120V)†	FN1Y
6' New York City Flex Whip (277V)†	FN2Y
6' Flex Whip†	FW
Finish	
Matte Satin White	WH
Matte Satin White Anti-Microbial	WHA

†Aircraft cable mounting not available with Flex Whip options.

QS

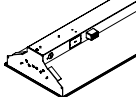
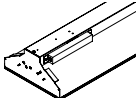
5/10* DAY

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

Focal Point provides broad flexibility through compatibility with a wide range of indoor lighting control systems. A variety of sensors, nodes, controllers, and drivers can be specified to scale the system and meet the needs of each application across both wired and wireless networks.

Features such as daylight harvesting, occupancy sensing, dimming, and switching help save energy, reduce costs, and enhance occupant comfort. All Connected Solutions luminaires require a compatible building control system.

Controls systems supplied by others. For performance data and additional control system details, please visit the connected solutions manufacturers websites.

Connected Solution	Ordering Code	Model #	Protocol	Compatible Networks (Not all compatible networks may be listed.)	Description	Occupancy & Daylight	Communication to Luminaire	Drivers (Primary drivers are listed in bold . To specify a particular driver please consult factory.)	Driver Type
 WATTSTOPPER[®]									
	WSPC	EN-ZBHA-CLM-DIM	ZigBee	Wattstopper PLUS	Node	Enabled [†]	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
	WSPS	EN-CLM-PIR-DD-ZB	ZigBee	Wattstopper PLUS	Sensor	Integrated [*]	Wireless	Advance by Signify	0-10V standard, consult factory for DALI
 COOPER Lighting Solutions									
	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Sensor	Integrated [*]	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify	0-10V
Current[®]									
	NXE1	NXFM2-LV	NX	NX Distributed Intelligence	Controller	Enabled [†]	Wired	Optotronic by eldoLED	0-10V
 nLIGHT									
	NLT1	nEPS-60-IO	nLight	nLight	Controller	Enabled [†]	Wired	eldoLED ECOdrive, eldoLED SOLOdrive	0-10V

[†]Enabled: Luminaire supplied with a node/controller. Sensor to be provided by others.

^{*}Integrated: Luminaire supplied with an installed sensor.