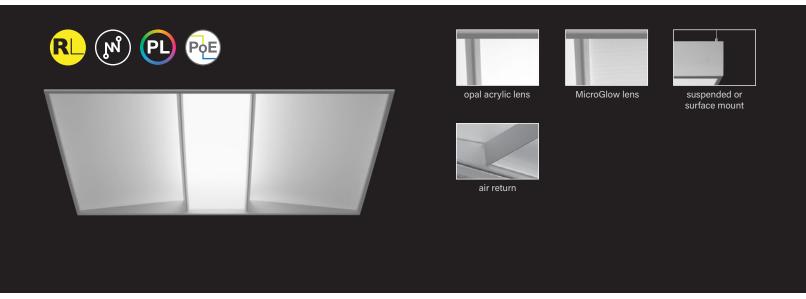
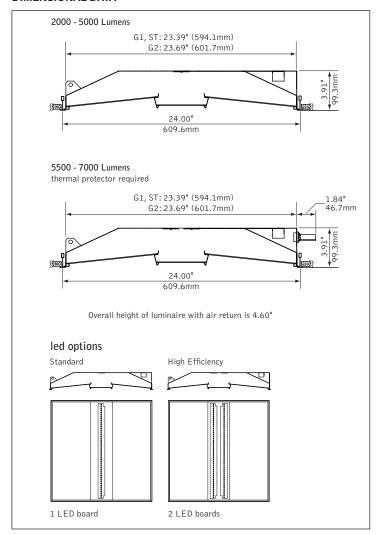
Equation[™] 2 2x2





DIMENSIONAL DATA



FEATURES

Equation 2 blends sleek aesthetics with uniform diffuse illumination.

Center diffuser features MicroGlow prismatic lens for brightness control and visual comfort. Opal acrylic center lens may also be specified.

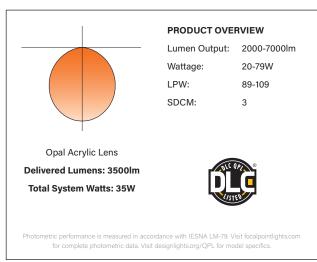
Premium LEDs operate efficiently to achieve excellent thermal management and reliable operation.

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

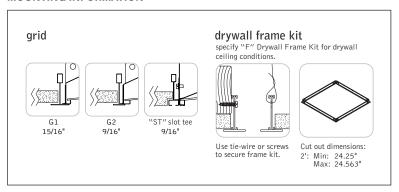
Preferred Light: Lighting for better color rendition and human preference.

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

PERFORMANCE



MOUNTING INFORMATION



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, 3SDCM. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. Contact factory for additional color temperature and CRI options. 0-10V dimming driver standard. LED modules and drivers are replaceable from below.

Construction

One-piece 24 Ga. steel reflector and housing. Bottom access 24 Ga. steel driver compartment. Positional brackets supplied as standard. Standard weight: 15.4 lbs. Surface-mount/suspended weight: 19 lbs.

Optic

24 Ga. steel reflectors finished in matte satin white powder coat. .080" thick frosted white acrylic diffusers. Center shielding options include .080" thick opal acrylic lens or MicroGlow prismatic lens with optical filter overlay.

Electrical

Standard 120-277V driver includes 0-10V analog dimming. Power factor > .9. Optional DALI, Lutron EcoSystem or Step-dimming drivers available. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Emergency battery output—10 watts for 90 minutes. Emergency Circuit with Connected Solutions (NLT1, ENL1, CLM1, CLMZ1, DLM1) requires a UL924 compliant device, consult factory.

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

Polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

L70 at >61,000 hours Calculated: L70 at 190,000 hours Reported: L80 at >61,000 hours L80 at 115,000 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.

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	Lume	en Output	Tested System Watts	LPW
2000	2000L	18	106	4000	4000LH	37	105
2500	2500L	24	100	4500	4500LH	43	103
	2500LH	23	105	5000	5000LH	49	100
3000	3000L	30	97	5500	5500LH	56	94
	3000LH	27	107	6000	6000LH	63	95
3500	3500L	36	95	6500	6500LH	71	92
	3500LH	32	107	7000	7000LH	79	89

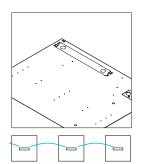
Based on 3500K, 80 CRI, Opal Acrylic Lens. Lumen multipliers: Preferred Light = 0.65, 90+ CRI = 0.87, MicroGlow Prismatic Lens = 0.94. Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

ORDERING		
Luminaire Series		FEQ2
Equation 2	FEQ2	22
Nominal Size 2' x 2'	22	22
Shielding		
Opal Acrylic Lens MicroGlow Prismatic Lens	AC MG	
Lumen Output	WIG	
Standard		
2000 Lumens 2500 Lumens	2000L 2500L	
3000 Lumens	3000L	
3500 Lumens High Efficiency	3500L	
2500 Lumens	2500LH	
3000 Lumens	3000LH	
3500 Lumens 4000 Lumens	3500LH 4000LH	
4500 Lumens	4500LH	
5000 Lumens 5500 Lumens*	5000LH 5500LH	
6000 Lumens*	6000LH	
6500 Lumens*	6500LH	
7000 Lumens* (*Grid, Slot Tee Only)	7000LH	
Color Temperature	27K or 927K	
2700K, 80+ CRI or 90+ CRI 3000K, 80+ CRI or 90+ CRI	30K or 930K	
3500K, 80+ CRI or 90+ CRI	35K or 935K	
4000K, 80+ CRI or 90+ CRI 3500K, Preferred Light	40K or 940K P35K	
Circuit		1C
Single Circuit	1C	
Voltage UNV 120/277 Volt	UNV	
(Not available with 5500LH, 6000LH, 6500LH & 7000LH) 120 Volt	120	
277 Volt	277	
347 Volt (Not available with SD5, CLM1, CLMZ1, DLM1, ENL1 or	347	
NLT1. Transformer required for all drivers except LD1.) Low Voltage	LV	
Control System & Dimming Level		
0-10V - 10% Dimming 0-10V - 1% Dimming	LD1 L11	
Low Voltage, PoE compatible	LVN	
(No driver. Not available with EM. LV Voltage only.) Lutron Hi-Lume EcoSystem (LDE1) -	LH1	
1% Dimming DALI - 1% Dimming	D11	
Step Dimming	SD5	
Acuity nLight - 1% Dimming (Not available with EM or CP.)	NLT1	
Enlighted Smart Sensor - 1% Dimming	ENL1	
Osram Connected Lighting Module for ENCELIUM systems - 1% Dimming	CLM1	
(Compatible with Osram ENCELIUM and ENCELIUM EDGE systems only. Not available with EM.)		
Osram Connected Lighting Module for ZigBee Wireless Networks - 1% Dimming (Not compatible with Osram ENCELIUM systems)	CLMZ1	
Not available with EM.) Wattstopper DLM - 1% Dimming (Not available with EM.)	DLM1	
Mounting 24" Aircraft Cable	C24	
48" Aircraft Cable	C48	
96" Aircraft Cable	C96	
Drywall Frame Kit (NLT1, ENL1, CLM1, CLMZ1 & DLM1 not available) (Cut out dimensions: Min: 24.25"/Max: 24.563")	F	
15/16" Grid	G1	
9/16" Grid Slot Tee	G2 ST	
Surface Mount	SM	
(NLT1 & DLM1 not available) Factory Options		
Air Return	AR	
(Overall height with Air Return is 4.62"-4.89") Chicago Plenum	СР	
Emergency Battery	EM	
with Integral Test Switch (Cannot combine with 347V		
Not available with 5500LH, 6000LH, 6500LH & 7000LH) 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	WH
Matte Satin White	VVII	



Equation[™] 2 2x2

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

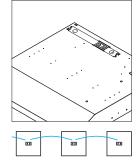
Enlighted Smart Sensor - 1% Dimming (ENL1) Enlighted Model #SU-5E-IOT



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.



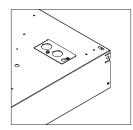


WATTSTOPPER®

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

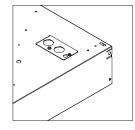
CAT-5 Cable provided by others. Serial labels will be provided on outside of luminaires and control unit.



\$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





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

DALI - 1% Dimming (D11) 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 (D11, L11)	Specified Driver	DALI 0-10V	Crestron Zūm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	eldoLED ECOdrive (DALI), Advance by Signify (0-10V)
Enlighted Smart Sensor (ENL1)	SU-5E-IOT**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	Advance by Signify
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	Advance by Signify, Osram Optotronic
Lutron EcoSystem (LH1)	LDE1**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	Lutron Hi-Lume
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