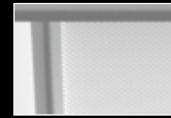


Equation™ 2 2x2

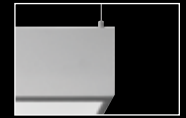
LED



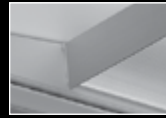
opal acrylic lens



MicroGlow lens



suspended or surface mount



air return

DIMENSIONAL DATA

Overall height of luminaire with air return is 4.60"

led options

Standard High Efficiency

1 LED board 2 LED boards

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.

PERFORMANCE

PRODUCT OVERVIEW

Lumen Output:	2000-5000lm
Wattage:	21-54W
LPW:	83-103
SDCM:	3

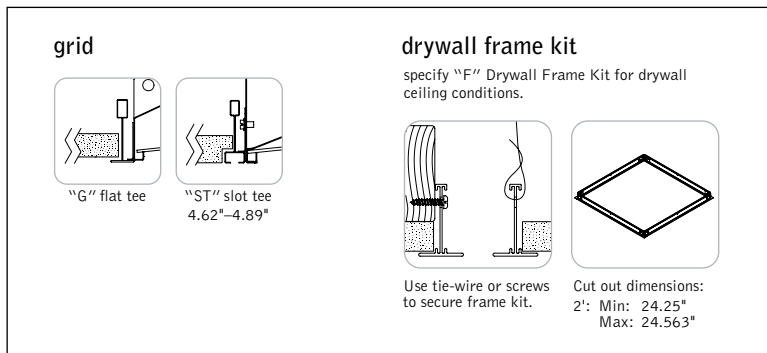
Opal Acrylic Lens
Delivered Lumens: 3500lm
Total System Watts: 35W

Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data. Visit designlights.org/QPL for model specifics.

fixture:

project:

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 3000K, 3000K or 4000K with CRI>80, 3 SDCM. 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.

Emergency Battery

Bodine BSL310-CAN. Emergency output—10 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 at >60,000 hours Calculated: L70 at 135,000 hours
L80 at >60,000 hours L80 at 80,000 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

Delivered Lumens		Tested System Watts	LPW
2000 Lumens	2000L	21	96
	2500L	28	92
2500 Lumens	2500LH	25	103
	3000L	35	88
3000 Lumens	3000LH	30	101
	3500L	42	83
3500 Lumens	3500LH	35	100
	4000L	41	97
4000 Lumens	4000LH	41	97
	4500L	47	94
4500 Lumens	4500LH	47	94
	5000L	54	90
5000 Lumens	5000LH	54	90

*Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%. Multipliers: 2700K - 0.949, 3000K - 0.966, 4000K - 1.025, Preferred Light = 0.65.

ORDERING

Luminaire Series

Equation 2 FEQ2

Nominal Size

2' x 2' 22

Shielding

Opal Acrylic Lens AC

MicroGlow Prismatic Lens MG

Lumen Output

Standard

2000 Lumens 2000L

2500 Lumens 2500L

3000 Lumens 3000L

3500 Lumens 3500L

High Efficiency

2500 Lumens 2500LH

3000 Lumens 3000LH

3500 Lumens 3500LH

4000 Lumens 4000LH

4500 Lumens 4500LH

5000 Lumens 5000LH

Color Temperature

3000K 30K

3500K 35K

4000K 40K

3500K Preferred Light P35K

Circuit

Single Circuit 1C

Voltage

UNV 120/277 Volt UNV

347 Volt 347

(Not available with SD5, CLM1, DLM1, ENL1 or NLT1. Transformer required for all drivers except LD1.)

Control System & Dimming Level

0-10V - 10% Dimming LD1

0-10V - 1% Dimming L11

Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming LH1

Lutron 5-Series EcoSystem (LDE5) - 5% Dimming LU5

DALI - 1% Dimming D11

(2000L, 2500L, 2500LH & 3000LH only.)

Step Dimming SD5

(Not available with 2500LH, 120/277 only.)

Acuity nLight - 1% Dimming NLT1

(Not available with EM or CP.)

2000L, 2500L, 2500LH & 3000LH only.)

Enlighted Smart Sensor - 1% Dimming ENL1

Osram Connected Lighting Module - 1% Dimming CLM1

(Compatible with Daintree Networks & Osram ENCELUM and ENCELUM EDGE systems. Not available with EM.)

Wattstopper DLM - 1% Dimming DLM1

(Not available with EM.)

Mounting

24" Aircraft Cable C24

48" Aircraft Cable C48

96" Aircraft Cable C96

Drywall Frame Kit F

(NLT1, ENL1, CLM1 & DLM1 not available)

(Cut out dimensions: Min: 24.25"/Max: 24.563")

Grid G

Slot Tee 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 CP

Emergency Battery Pack with Integral Test Switch EM

(Cannot combine 347V and EM with L11, D11 or Lutron driver.)

6' New York City Flex Whip (120V) FNY1

6' New York City Flex Whip (277V) FNY2

6' Flex Whip FW

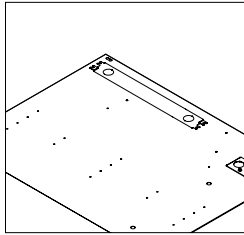
Finish

Matte Satin White WH



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.

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.

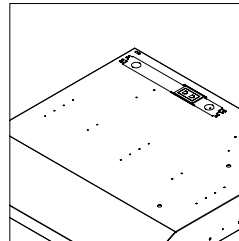
Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model #SU-4E-01



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)
Osram Model #ZBHA-CLM DIM

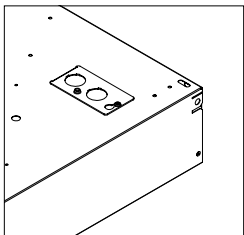
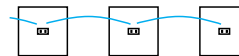
Serial labels will be provided on outside of luminaires and control unit.



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.

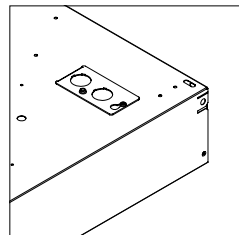
Wattstopper DLM - 1% Dimming (DLM1)
Wattstopper Model #LMFC-011

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



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



A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting. Communicates with Züm wireless and SpaceBuilder working with Züm 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 Züm™ 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 Züm Wireless & SpaceBuilder	Enabled	Enabled	No	Wired	eldoLED ECODrive (DALI) , Philips Xitanium (0-10V)
Enlighted Smart Sensor (ENL1)	SU-4E-01**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	Osram Optotronic , Philips SimpleSet
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	Osram Optotronic , Philips SimpleSet
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 (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & ENCELIUM EDGE, Daintree 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.