

trimless mud-in



trim flange



grid



end detail



corner detail



regress lens



wall to ceiling companion

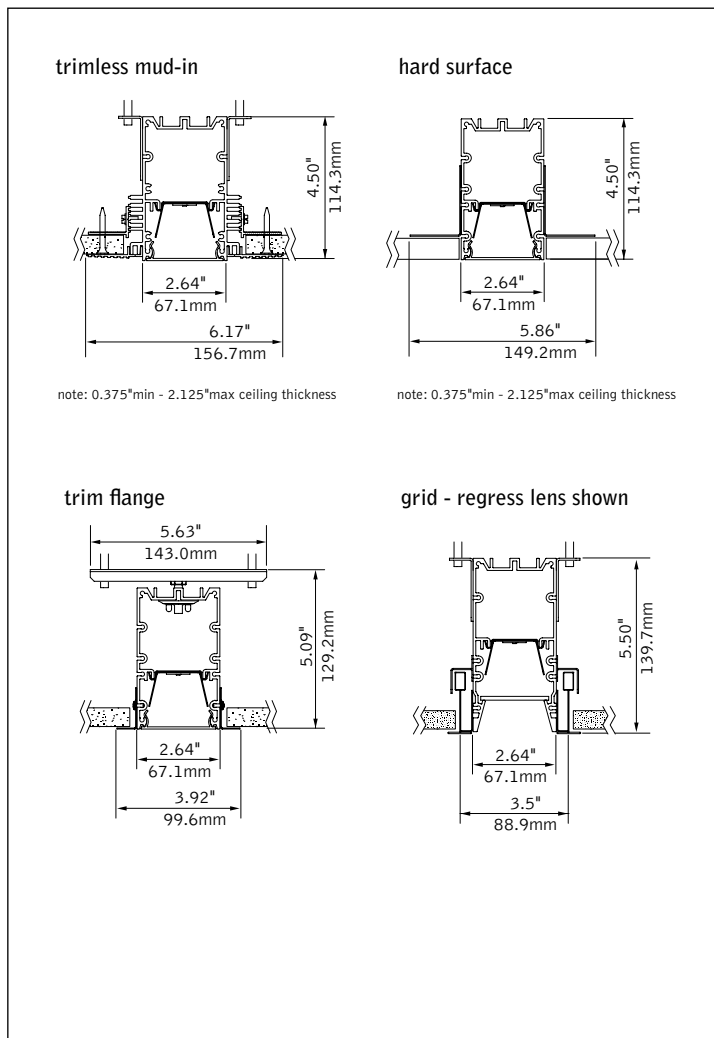


perimeter companion



suspended & wall mount companions

DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 2.5" aperture recessed slot LED.

Integrates with ceiling or wall in a variety of mounting styles for a clean, unobtrusive aesthetic.

Individual units and continuous runs in 1" increments.

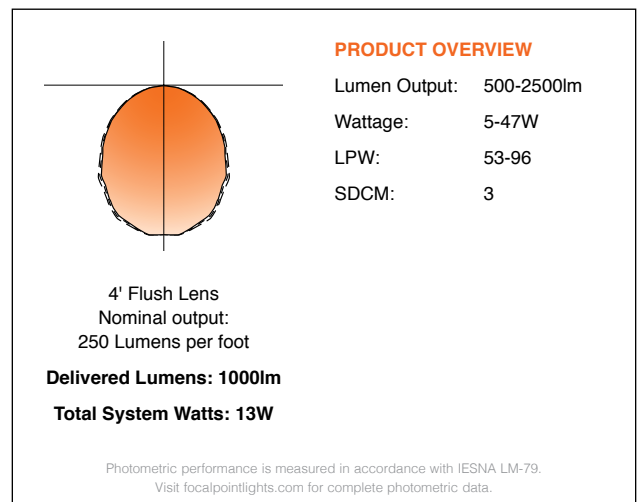
Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

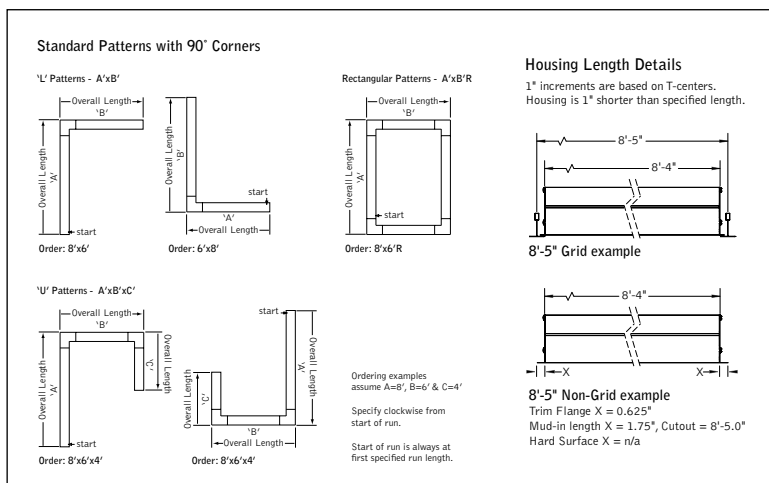
Connected Solutions: Integrates with wired and wireless building lighting control systems.

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

PERFORMANCE



DETAILS



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, 3500K, 4000K with CRI>80, 3SDCM. LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Housing for new construction applications. 2' unit weight: 5.1 lbs., 3' unit weight: 7.6 lbs., 4' unit weight: 10.1 lbs., 5' unit weight: 12.6 lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" thick with satin finish, up to 8' continuous.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9.

Emergency Battery

Output - 10 watts for 90 minutes. Maximum mounting height: 17.9ft. See EM/EC Guide for default locations and ordering details.

Labels

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

Finish

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

Lumen Maintenance

Reported: L70 at >61,000 hours Calculated: L70 at 270,000 hours
 L90 at >61,000 hours L90 at 73,000 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.

4' PERFORMANCE CHART

Shielding	Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Flush Lens	125LF	500	5	96
	250LF	1000	13	80
	375LF	1500	19	79
	625LF	2500	33	76
Regress Lens	125LF	500	7	68
	250LF	1000	18	56
	375LF	1500	27	56
Regress High Performance Lens	125LF	500	6	89
	250LF	1000	14	72
	375LF	1500	21	72
	625LF	2500	36	69

Based on 3500K, 4' lengths. *Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%. Preferred Light lumen multiplier = 0.65. Focal Point LLC reserves the right to change specifications for product improvement without notification.

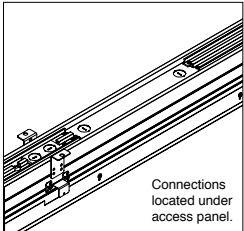
ORDERING

Luminaire Series	FSM2L	FSM2L
Seem 2 LED	FSM2L	
Shielding		
Flush Satin Lens	FL	
Regress Lens	SR	
Regress High Performance Lens	SRXP	
(Housing height 5.5'. Ceiling applications only)		
(Housing height 5.5'. Ceiling applications only)		
Lumen Output		
125 Lumens per foot	125LF	
(LD1, L11 & D11 only. 4' minimum.)		
250 Lumens per foot	250LF	
(Not available with LU5 & LH1. 4' minimum with D11 & FL lens)		
375 Lumens per foot	375LF	
(4' minimum with LU5 & LH1 and D11 with FL lens.)		
625 Lumens per foot	625LF	
(3' minimum with LU5 & LH1 Drivers)		
Color Temperature		
3000K	30K	
3500K	35K	
4000K	40K	
3500K Preferred Light	P35K	
(Flush Lens only. 6" increments. Not available with Emergency Battery or patterns.)		
Circuit		1C
Single Circuit	1C	
Voltage		UNV
UNV 120/277 Volt	UNV	
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	
Acuity nLight - 1% Dimming	NLT1	
(3' minimum length. Not available with CP. Grid only.)		
Enlighted Smart Sensor - 1% Dimming	ENL1	
(3' minimum length. Grid only)		
Osram Connected Lighting Module - 1% Dimming	CLM1	
(3' minimum length. Grid only. Compatible with Daintees Networks & Osram ENCELIUM and Simplex systems.)		
Wattstopper® DLM - 1% Dimming	DLM1	
(3' minimum length. Grid only)		
Ceiling Configuration		
Std. 15/16" Lay-in	G1	
Std. 15/16" Tegular	T1	
Std. 9/16" Lay-in	G2	
Std. 9/16" Tegular	T2	
9/16" Slot-tee Tegular	G3	
Tall 15/16" Lay-in	G4	
Tall 15/16" Tegular	T4	
Tall 9/16" Lay-in	G5	
Tall 9/16" Tegular	T5	
Node 9/16" Tegular	T6	
Trim Flange Drywall	TF	
Trim Flange Wood	TFW	
Mud-in Trimless, pre-set for 1/2" Drywall	XF1	
Mud-in Trimless, pre-set for 5/8" Drywall	XF2	
Mud-in Trimless, set thickness in field	XFF	
(Mounting equipment assembled in field)		
Non-Drywall Hard Surface	XFN	
Hard Surface, Wood	XFW	
Factory Options		
Chicago Plenum	CP	
Emergency Circuit*	EC	
(4' minimum. 7' minimum with CLM1, DLM1, ENL1 & NLT1.)		
Emergency Battery Pack*	EM	
(4' minimum. 7' minimum with CLM1, DLM1, ENL1 & NLT1. Not available at corners. See EM/EC Guide for default locations and ordering details.)		
6' New York City Flex Whip (120V)	FNY1	
6' New York City Flex Whip (277V)	FNY2	
6' Flex Whip	FW	
Finish		WH
Matte White Housing	WH	
Luminaire Length		ft in
Specify luminaire/row length in 1" increments		__ft __in
(2' minimum, lengths are nominal 1" increments based on T-centers. Housing length is 1" shorter than specified. Leave blank for patterns. Smaller increments available, consult factory.)		
Pattern Options		
(3' minimum length)		
'L' pattern	A' x B'	
'U' pattern	A' x B' x C'	
Rectangular pattern	A' x B' R	
(Consult factory for other pattern options)		



Options in orange qualify for the Quickship program. 4', 8' and run length in 4' increments. 400' total. Refer to Quickship Guide for complete details.

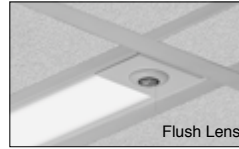
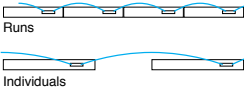
Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally 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.



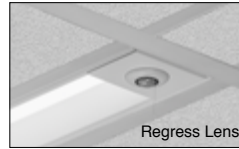
nLight[®] provides a two-way wired digital lighting system allowing for on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting.

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.



Flush Lens

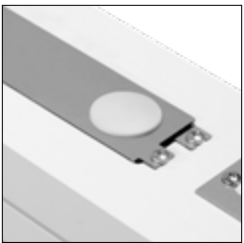


Regress Lens



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

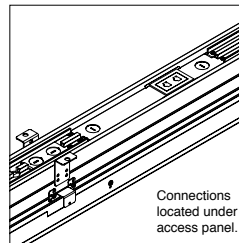
Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model #SU-4E-01



Connected Lighting Module (CLM) enables each luminaire to be independently controlled and configured. Communicates wirelessly with Daintree Networks[®], Osram ENCELIUM[®], Osram Simplux[™] 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

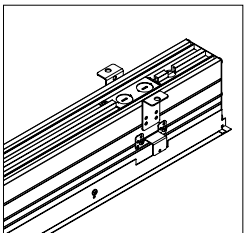
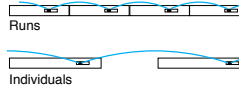
Serial labels will be provided on outside of luminaires and control unit.



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

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
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 (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & Simplux, 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.

Seem® EM/EC Guide

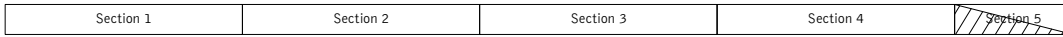
FSM2L-FL, FSM2L-FL2, FSM2LS, FSM4L-FL/SR/SRXP, FSM4L-FL2, FSM4LS, FSM4LP, FSM6L-FL/SR/SRXP*



DEFAULT LOCATIONS

- By default, EM/EC are located at the end (last section) of a run when one EM/EC location is specified, and at the start and end when two locations are specified.
- EM/EC illuminate entire sections from 4' to 8' in length.
- Feed location is at start of run. All EC's are fed individually at the end of each fixture segment.

1 EM/EC – END OF RUN



Ordering example: FSM4L-FL... **1EM-WH-36ft**

2 EM/EC – START & END OF RUN

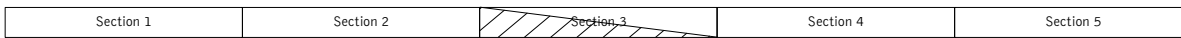


Ordering example: FSM4L-FL... **2EM-WH-36ft**

ALTERNATE LOCATIONS AND QUANTITIES

- If more than two locations are required, or specific locations within run need to be specified, indicate in the ordering string.

ONE EM IN 3RD SECTION



Ordering example: FSM4L-FL... **1EM-3-WH-40ft**

THREE EM IN 1ST, 3RD AND 6TH SECTIONS



Ordering example: FSM4L-FL... **3EM-1-3-6-WH-48ft**

CUSTOM LENGTHS

- If partial illumination of emergency section is required, indicate quantity in ordering string and partial illumination in Order Notes. Drawing required.
- Longer lead times may apply.

Run length (ft)	Housing Configuration Section Lengths
9	5 + 4
10	6 + 4
11	7 + 4
12	8 + 4
13	8 + 5
14	8 + 6
15	8 + 7
16	8 + 8
17	8 + 5 + 4
18	8 + 6 + 4
19	8 + 7 + 4
20	8 + 8 + 4
21	8 + 8 + 5
22	8 + 8 + 6
23	8 + 8 + 7
24	8 + 8 + 8
25	8 + 8 + 5 + 4
26	8 + 8 + 6 + 4
27	8 + 8 + 7 + 4

Run length (ft)	Housing Configuration Section Lengths
28	8 + 8 + 8 + 4
29	8 + 8 + 8 + 5
30	8 + 8 + 8 + 6
31	8 + 8 + 8 + 7
32	8 + 8 + 8 + 8
33	8 + 8 + 8 + 5 + 4
34	8 + 8 + 8 + 6 + 4
35	8 + 8 + 8 + 7 + 4
36	8 + 8 + 8 + 8 + 4
37	8 + 8 + 8 + 8 + 5
38	8 + 8 + 8 + 8 + 6
39	8 + 8 + 8 + 8 + 7
40	8 + 8 + 8 + 8 + 8
41	8 + 8 + 8 + 8 + 5 + 4
42	8 + 8 + 8 + 8 + 6 + 4
43	8 + 8 + 8 + 8 + 7 + 4
44	8 + 8 + 8 + 8 + 8 + 4
45	8 + 8 + 8 + 8 + 8 + 5
46	8 + 8 + 8 + 8 + 8 + 6
47	8 + 8 + 8 + 8 + 8 + 7
48	8 + 8 + 8 + 8 + 8 + 8

Standard run configurations, consult factory for custom configurations.

*Recessed and suspended only. Does not include direct/indirect, pop-down lens or asymmetric options.

Seem[®]2

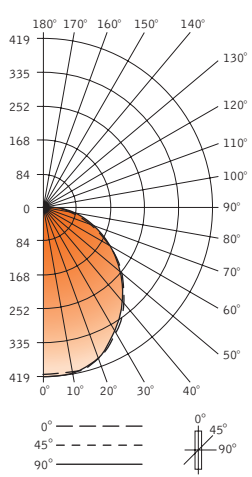
LED - FLUSH LENS

FSM2L-FL-250LF-35K-1C-120-LD1-G1-WH-4

Filename: FSM2LFL250LF35K.IES
Test #: 11482956.01

Lumens: 1155lm
System Watts: 13W
LPW: 85

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	419	419	419	419	419
5°	416	420	417	417	417
15°	399	403	400	400	400
25°	367	369	365	364	364
35°	319	321	317	316	315
45°	262	264	261	260	259
55°	203	204	201	201	201
65°	140	142	141	141	141
75°	79	81	81	81	82
85°	25	25	25	25	26
90°	1	3	3	3	3
95°	0	0	0	0	0
105°	0	0	0	0	0
115°	0	0	0	0	0
125°	0	0	0	0	0
135°	0	0	0	0	0
145°	0	0	0	0	0
155°	0	0	0	0	0
165°	0	0	0	0	0
175°	0	0	0	0	0
180°	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-40°	520	45.0
0-60°	902	78.1
0-90°	1155	100.0
Total Luminaire 0-180°	1155	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	4895	4867	4837
55°	4658	4637	4622
65°	4373	4397	4400
75°	4044	4108	4156
85°	3776	3794	3860

Go to www.focalpointlights.com for additional photometric data.

Seem[®]2

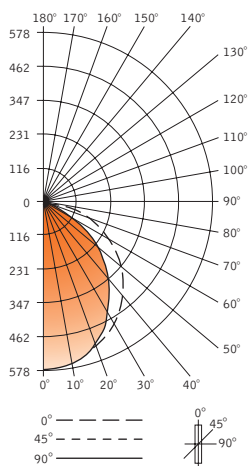
LED - REGRESS LENS

FSM2L-SR-250LF-35K-1C-120-LD1-G1-WH-4

Filename: FSM2LSR250LF35K.IES
Test #: 11482956.02

Lumens: 1359lm
System Watts: 19W
LPW: 72

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	578	578	578	578	578
5°	571	578	575	576	576
15°	552	558	553	552	551
25°	512	516	500	483	477
35°	453	453	417	391	382
45°	380	368	321	287	276
55°	298	273	218	180	168
65°	207	171	115	83	74
75°	111	72	41	39	39
85°	29	13	12	11	11
90°	1	1	1	1	1
95°	0	0	0	0	0
105°	0	0	0	0	0
115°	0	0	0	0	0
125°	0	0	0	0	0
135°	0	0	0	0	0
145°	0	0	0	0	0
155°	0	0	0	0	0
165°	0	0	0	0	0
175°	0	0	0	0	0
180°	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-40°	702	52
0-60°	1155	85
0-90°	1359	100
Total Luminaire 0-180°	1359	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	7093	5979	5145
55°	6862	5009	3864
65°	6445	3590	2305
75°	5658	2097	1972
85°	4386	1773	1726

Go to www.focalpointlights.com for additional photometric data.

Seem[®]2

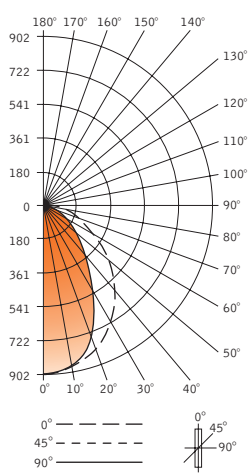
LED - REGRESS HIGH PERFORMANCE LENS

FSM2L-SRXP-250LF-35K-1C-120-LD1-G1-WH-4

Filename: FSM2LSRXP250LF35K.IES
Test #: 11482956.03

Lumens: 1623lm
System Watts: 19W
LPW: 86

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	902	902	902	902	902
5°	890	900	893	893	893
15°	848	851	830	814	806
25°	762	755	696	623	593
35°	643	621	497	398	367
45°	502	456	315	245	228
55°	362	300	189	151	142
65°	232	167	103	82	76
75°	118	68	43	41	40
85°	30	13	12	12	12
90°	1	1	1	1	1
95°	0	0	0	0	0
105°	0	0	0	0	0
115°	0	0	0	0	0
125°	0	0	0	0	0
135°	0	0	0	0	0
145°	0	0	0	0	0
155°	0	0	0	0	0
165°	0	0	0	0	0
175°	0	0	0	0	0
180°	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-40°	948	58.4
0-60°	1415	87.2
0-90°	1619	99.8
Total Luminaire 0-180°	1623	100.0

LUMINANCE DATA (cd/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	9357	5870	4244
55°	8324	4353	3274
65°	7225	3210	2379
75°	5988	2190	2023
85°	4474	1821	1751

Go to www.focalpointlights.com for additional photometric data.