

Project Name: \_\_\_\_\_ Type: \_\_\_\_\_ Quantity: \_\_\_\_\_

### INTENDED USE

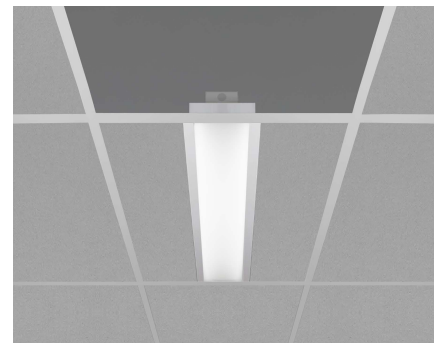
Our LED flat panel lighting offers sleek, energy-efficient illumination with a white-framed edge, reducing shadows and glare to enhance productivity in offices, commercial spaces, and educational facilities. It blends modern aesthetics with various architectural styles, cutting electricity costs, extending lifespan, and promoting workplace sustainability.

### FEATURES

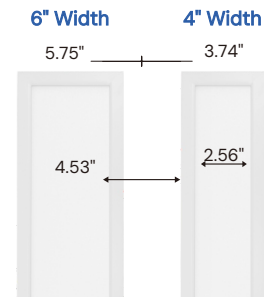
- Construction:** Sturdy extruded aluminum housing that also serves as a heat sink to extend lifespan
- Recessed Mounting:** Compatible with Screw slot and T-grid ceilings
- Color Temperature:** 30/35/40K Selectable switch
- Wattage:** 5/7.5/10W Selectable switch
- 2 Foot length only available in 20W
- Driver:** 1-10V dimming down to 10%
- Voltage:** 120-277V AC
- Finish:** White
- CRI:** 80+
- Life:** 50,000 hours
- Listings:** cULus listed for damp locations
- Warranty:** 5 years carefree for parts & components (labor not included)



Surface



Recessed



Width	Lumen Output		
	High	Medium	Low
4"	850lm/ft, 10w/ft	640lm/ft, 7.5w/ft	430lm/ft, 5w/ft
6"	950lm/ft, 10w/ft	720lm/ft, 7.5w/ft	480lm/ft, 7.5w/ft

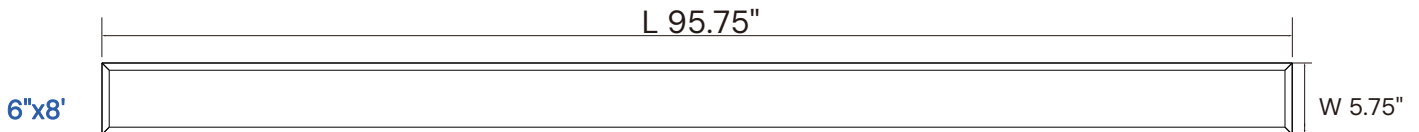
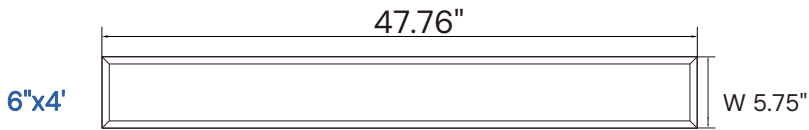
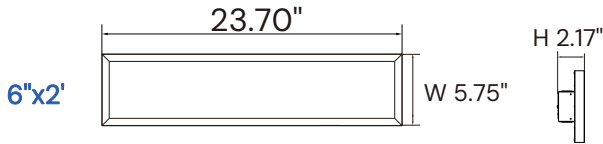
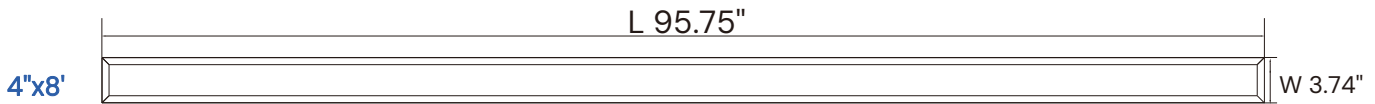
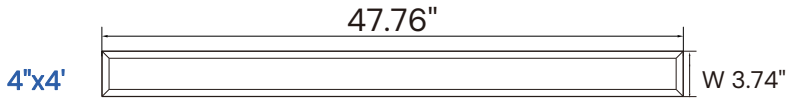
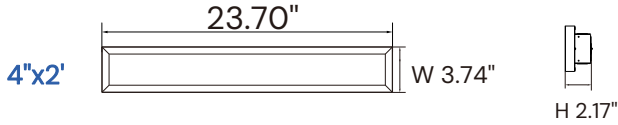


### ORDERING INFORMATION Example:

Model	Mounting	Width	Length	Options
<b>14054</b>	<b>R</b> Recessed	<b>4</b> 4 Inch	<b>2<sup>1</sup></b> 2 Foot	<b>EM8X</b> 8W External Emergency Battery <b>OS</b> Occupancy Sensor
	<b>S</b> Surface	<b>6</b> 6 Inch	<b>4</b> 4 Foot	
			<b>8<sup>2</sup></b> 8 Foot	

<sup>1</sup> Standard 20W (Not available with selectable switch)  
<sup>2</sup> Only available for recessed mounting

**DIMENSIONS**



Surface Mounting Kit



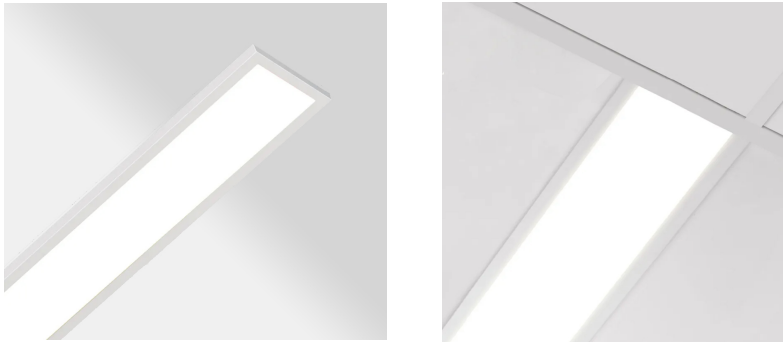
This metal plate is equipped with screw holes for bolting to the ceiling, and 4 small static corner hooks on the mounting plate.

Remote Driver for surface mount kit



This metal box is equipped with screw holes for bolting to the fixture to protect wires.

## EXTERNAL EMERGENCY BATTERY WITH TEST SWITCH



All mounting options come with UL and CEC Listed LED emergency drivers. In the event of an AC power failure, the system automatically switches to emergency mode, providing at least 120 minutes of illumination. Once power is restored, it seamlessly returns to charging mode, ensuring compliance with critical life-safety lighting requirements.



The optional 8W emergency back-up battery is available to ensure essential lighting during power outages.

### Code-Required Testing Switch

#### First Self-Test:

The system will conduct a functional test 3 seconds after installation to verify wiring and battery output. If there is a failure or error, the indicator LED will turn off or flicker.

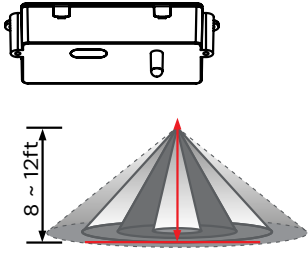
#### Second Self-Test:

A second test will occur 120 minutes later to recheck the system. If the test fails, it will automatically repeat up to 4 times, every 120 minutes.

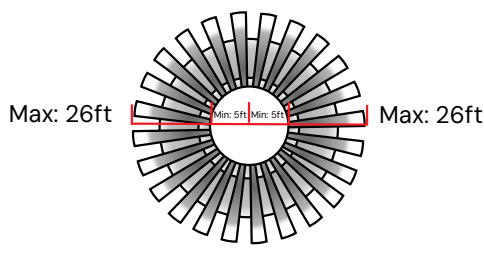
#### Monthly Self-Test:

The system will perform an automatic test every 30 days, lasting 3 seconds, to check wiring and battery output. In the event of a failure or error, the indicator LED will turn off or flicker.

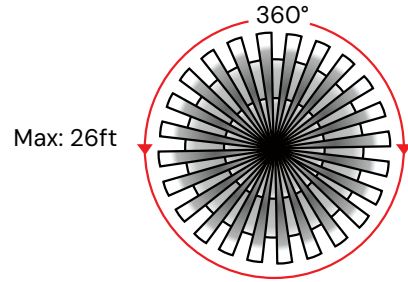
## OCCUPANCY SENSOR



Height of installation 8~12ft



(Height of installation 8ft)  
Detection Range



Detection Angle

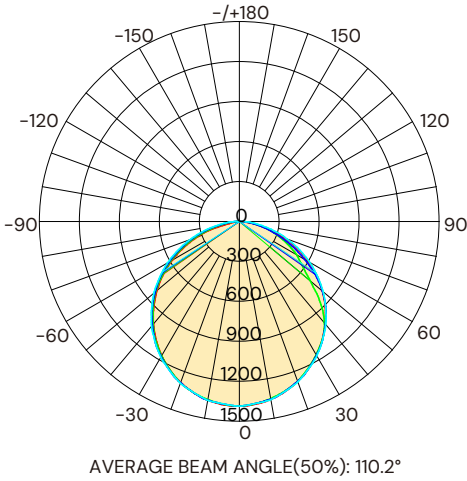
This internal microwave bi-level sensor system control is based on motion and/or daylight contribution with a harvest feature, detecting a 360° range for some areas that require a light change notice before switching off.

### Specification

Power Supply	120/277 VAC 50/60Hz
Maximum load @ -40°F ~ +158°F (-40°C ~ +70°C)	Resistive/ Tungsten 600W @ 120V Electronic Ballast (LED) 800VA @ 120V, 1200VA @ 277V
HF System	5.8GHz CW
Dim Control Output	0-10V, Max 0.25mA sinking current
Detection Radius/Angle	Max 26ft. (8m)/360
Mounting Height	Max 12ft
Humidity	Max 95% RH
Temperature	-40°F ~ +158°F (-40°C ~ +70°C)

## PHOTOMETRICS

4"x4'



Test Number: LR44-35E Lumens: 3773.4 Lm Watts: 40 W LPW: 94.34 Lm/W CCT: 3500K

UNIT:cd  
 - CO/180,111.1°  
 - C30/210,105.7°  
 - C60/240,111.3°  
 - C90/270,112.8°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1378	1372	1373	1374	1381
10	1357	1352	1359	1356	1362
15	1324	1322	1322	1328	1331
20	1279	1274	1284	1279	1287
25	1224	1223	1225	1226	1232
30	1159	1158	1166	1158	1165
35	1085	1084	1088	1074	1089
40	1002	1004	1010	958.2	1003
45	912.5	885.3	916.5	780.5	909.0
50	815.0	735.3	822.7	609.3	807.8
55	711.5	600.0	716.0	490.2	698.2
60	599.9	498.1	609.2	394.6	581.3
65	481.9	403.6	494.7	307.4	457.1
70	361.4	305.2	380.1	221.3	331.1
75	234.4	211.9	270.0	140.1	168.8
80	131.0	122.2	159.9	75.20	59.38
85	28.69	51.55	81.29	29.13	10.88
90	1.227	4.243	2.669	2.701	1.005

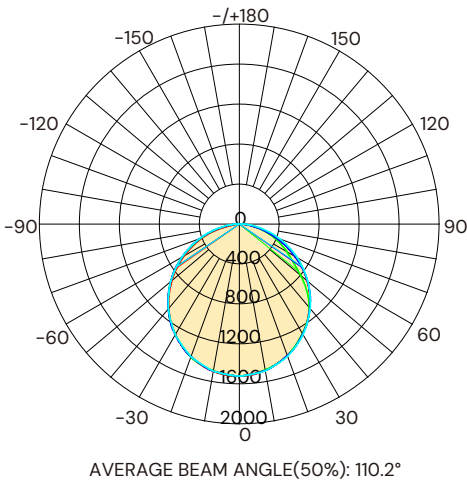
Zonal Lumens

τ	φ total
0-5	32.98
5-10	130.7
10-15	289.8
15-20	504.6
20-25	767.9
25-30	1070
30-35	1402
35-40	1751
40-45	2104
45-50	2443
50-55	2757
55-60	3038
60-65	3279
65-70	3472
70-75	3616
75-80	3710
80-85	3759
85-90	3773

Luminance cd/(m2)

G(DEG)	CO/180	C90/270
85	4286	12145
80	9823	11991
75	11791	13583
70	13759	14470
65	14849	15240
60	15624	15865
55	16153	16254
50	16510	16666
45	16803	16877

6"x4'



Test Number: LR46-35E Lumens: 4180.4 Lm Watts: 40 W LPW: 104.51 Lm/W CCT: 3500K

UNIT:cd  
 - CO/180,110.8°  
 - C30/210,107.0°  
 - C60/240,111.2°  
 - C90/270,111.8°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
5	1513	1507	1508	1510	1518
10	1489	1485	1494	1491	1498
15	1452	1452	1452	1461	1464
20	1402	1399	1411	1408	1415
25	1340	1341	1345	1349	1354
30	1268	1269	1278	1271	1280
35	1185	1186	1192	1177	1195
40	1094	1098	1105	1067	1100
45	995.5	978.4	1002	914.6	995.9
50	889.3	838.9	898.4	746.0	884.3
55	777.1	689.3	783.0	605.3	764.9
60	659.0	562.4	667.6	484.8	639.7
65	536.6	454.9	546.6	376.9	511.3
70	413.3	349.1	425.5	276.8	382.3
75	287.0	244.2	309.4	186.1	238.8
80	164.7	144.4	193.3	107.6	79.40
85	40.56	63.05	98.59	46.12	17.81
90	3.175	4.753	3.887	2.886	0.5494

Zonal Lumens

τ	φ total
0-5	36.22
5-10	143.5
10-15	318.2
15-20	553.9
20-25	842.6
25-30	1174
30-35	1537
35-40	1917
40-45	2303
45-50	2677
50-55	3025
55-60	3337
60-65	3605
65-70	3824
70-75	3990
75-80	4102
80-85	4162
85-90	4180

Luminance cd/(m2)

G(DEG)	CO/180	C90/270
85	3368	8185
80	6864	8054
75	8024	8650
70	8745	9002
65	9187	9358
60	9536	9662
55	9803	9878
50	10011	10113
45	10188	10249

**COMPATIBLE DIMMERS**

	<b>ALCON</b> LIGHTING	 <b>LUTRON</b>	 <b>LEVITON</b>
<b>0-10 V</b>	<a href="#">2100</a> <a href="#">2101</a> <a href="#">2102</a>	Diva DDTV	IP-710-DL

**COLOR TEMPERATURE GUIDE**



<b>2700K</b> WARM WHITE  friendly personal intimate  HOMES LIBRARIES RESTAURANTS  X	<b>3000K</b> SOFT WHITE GLOW  soft warm pleasing  HOMES HOTEL ROOMS LOBBIES RETAIL STORES  ✓	<b>3500K</b> NEUTRAL GLOW  sociable inviting non-threatening  EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS  ✓	<b>4000K</b> COOL WHITE GLOW  neat clean efficient  OFFICES CLASSROOMS MASS MERCHANDISERS SHOWROOMS  ✓	<b>5000K</b> DAYLIGHT GLOW  bright cool alert  GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS  X
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