

Project Name: _____

Type: _____ Quantity: _____

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FIXTURE SPECIFICATIONS

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)

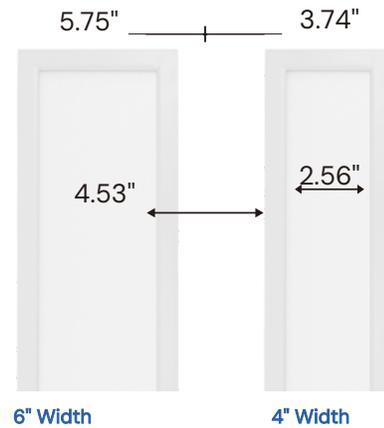
| Width | Lumen Output | | |
|-------|------------------|-------------------|-------------------|
| | High | Medium | Low |
| 4" | 850lm/ft, 10w/ft | 640lm/ft, 7.5w/ft | 430lm/ft, 5w/ft |
| 6" | 950lm/ft, 10w/ft | 720lm/ft, 7.5w/ft | 480lm/ft, 7.5w/ft |



Surface



Recessed



Alcon Lighting 14054 Architectural LED Linear Flat Panel

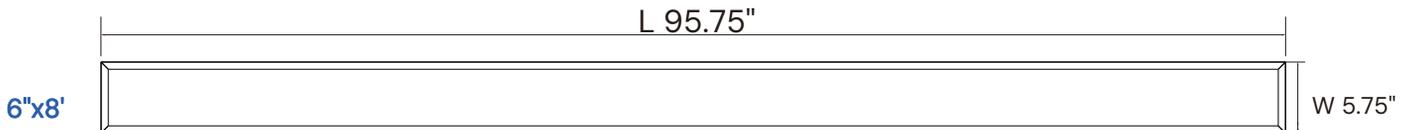
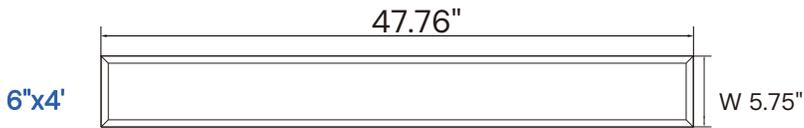
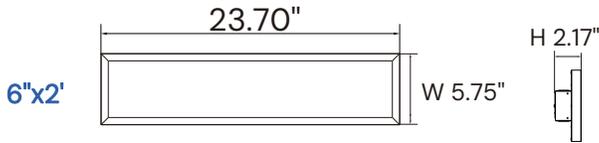
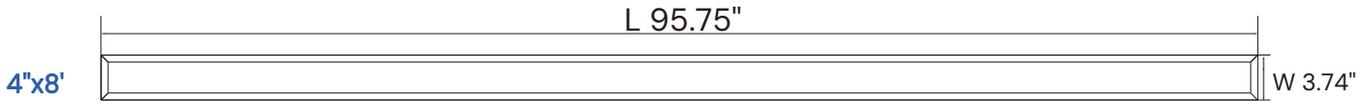
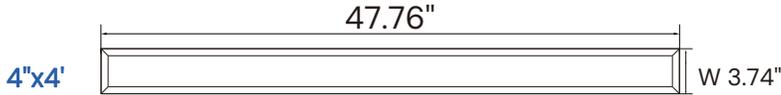
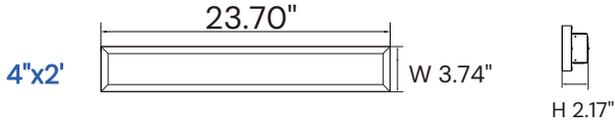
ORDERING INFORMATION Example:

| Model | Mounting | Width | Length | Options |
|--------------|-------------------|-----------------|-----------------------------|---|
| 14054 | R Recessed | 4 4 Inch | 2¹ 2 Foot | EM8X 8W External Emergency Battery OS² Occupancy Sensor |
| | S Surface | 6 6 Inch | 4 4 Foot | |
| | | | 8² 8 Foot | |

¹ Standard 20W (Not available with selectable switch)

² Only available for recessed mounting

DIMENSIONS



Surface Mounting Kit



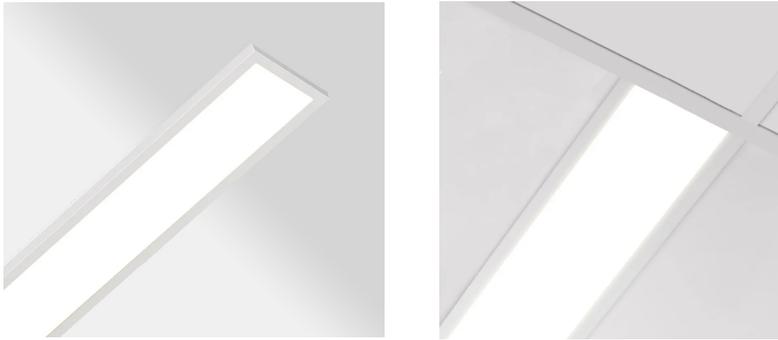
This metal plate is equipped with screw holes for bolting to the ceiling, and 4 small static corner hooks on the mounting plate.

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.

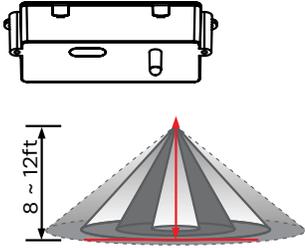
Second Self-Test:

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.

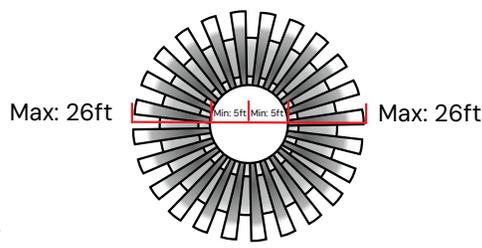
Monthly Self-Test:

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.

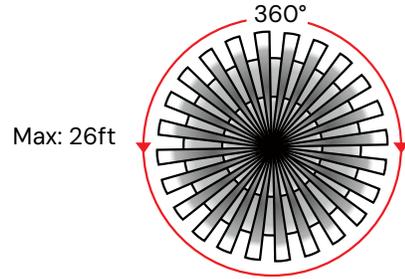
OCCUPANCY SENSOR



Height of installation 8~12ft



(Height of installation 8ft)
Detection Range



Detection Angle

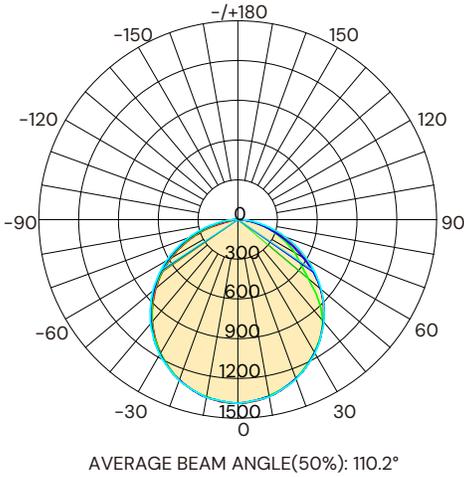
This internal microwave bi-level sensor system control is based on motion and/or daylight contribution with a harvest feature, detecting a 360° range for some areas that require a light change notice before switching off.

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
— C0/180,111.1°
— 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 |

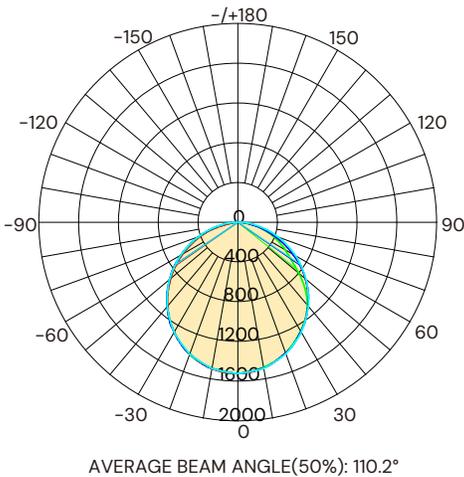
Zonal Lumens

| 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) | C0/180 | 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
— C0/180,110.8°
— 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) | C0/180 | 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

| | ALCON LIGHTING | LUTRON | LEVITON |
|--------|--|-----------|-----------|
| 0-10 V | 2100 2101 2102 | Diva DDTV | IP-710-DL |

COLOR TEMPERATURE GUIDE

