

LLSW-LKFS

Lumen and Kelvin Field Selectable Stairwell Light in White

Construction:

- Painted steel housing and PMMA (polymethyl methacrylate) frosted lenses are standard.
- Optional occupancy dimming sensor specifically designed to sense motion and illuminate both up and down stairwells (see figure 1).
- Surface Mounting with easy installation in new construction or retrofit.

Light Source:

- Field selectable 35K, 40K, and 50K color temperatures.*
- Long-life LEDs provide 190,000 hours of operation with at least 70% of initial lumen output (L_{70}),** and 58,000 hours with at least 90% of initial lumen output (L_{90}).
- Selectable lumen outputs range from 4200 nominal lumens to 6000 nominal lumens.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming drivers are standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.

* Contact factory for other color temperatures and lumen packages.

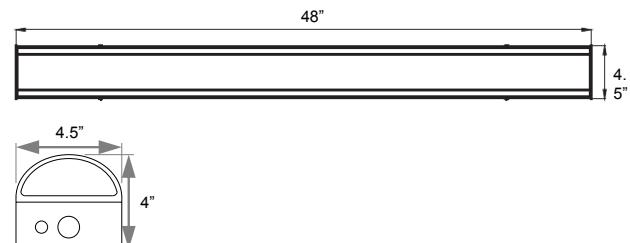
** L_{70} hours are IES TM-21-11 calculated hours.

Warranty & and Listings:

- cULus listed for damp locations ambient temperatures from -20°C to 50°C (-4°F to 122°F).
- cULus 1598 and 924 listed.*
- DLC 5.1 premium approved.
- Complies with FCC Part 15, class A.
- Complies with IEEE C.62.41-1991, input transient protection (2.0kV).
- 5-year warranty of all electronics and housing.
- UL 924 listed when used with emergency drivers.



DIMENSIONS



| Model | Length (L) | Width (W) | Height (H) | Weight |
|-----------|------------|-----------|------------|--------|
| LLSW-LKFS | 48" | 4.5" | 4" | 8 lbs. |

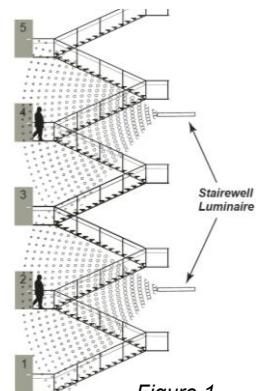


Figure 1

Ordering Information

| Part# | Occupancy Sensor & Dimming ^{1,2} | Optional Emergency Driver | Accessories (Order Separately) |
|------------|--|--|------------------------------------|
| LLSW- LKFS | (Blank) No Sensor ODS-US002 Occupancy Dimming Sensor | (Blank) No Emergency Driver EM5 600 Lumens EM10 1200 Lumens EM13 1560 Lumens | HD03R Sensor remote control |

¹ Remote control Required for programming (sold separately)



Job Name: _____

Type: _____

Part #: _____

Notes: _____

ELECTRICAL

| Series | Measurements | Low Lumens | | | Mid Lumens | | | High Lumens | | |
|-----------|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | 3500K | 4000K | 5000K | 3500K | 4000K | 5000K | 3500K | 4000K | 5000K |
| LLSW-LKFS | Lumens | 4245 | 4311 | 4208 | 4820 | 4941 | 4792 | 6226 | 6499 | 6056 |
| | Watts | 29 | 28 | 29 | 34 | 33 | 34 | 46 | 45 | 46 |
| | Efficacy | 145 | 152 | 143 | 143 | 150 | 141 | 135 | 146 | 130 |
| | Input Current (A) | 120V = 0.24A | 120V = 0.23A | 120V = 0.24A | 120V = 0.28A | 120V = 0.28A | 120V = 0.28A | 120V = 0.38A | 120V = 0.38A | 120V = 0.38A |
| | | 240V = 0.12A | 240V = 0.12A | 240V = 0.12A | 240V = 0.14A | 240V = 0.14A | 240V = 0.14A | 240V = 0.19A | 240V = 0.19A | 240V = 0.19A |
| | | 277V = 0.10A | 277V = 0.10A | 277V = 0.10A | 277V = 0.12A | 277V = 0.12A | 277V = 0.12A | 277V = 0.17A | 277V = 0.16A | 277V = 0.17A |

PHOTOMETRIC DATA

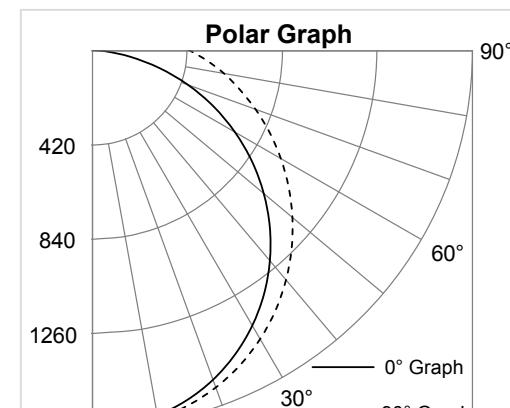
LLSW-LKFS

Luminaire Data

| | |
|-----------------------------|--------------------------------|
| Description | Stairwell Luminare LKFS 50K |
| Total Lumens | 6056 |
| Input Wattage | 46 |
| Efficacy (lm/W) | 131 |
| Spacing Criterion (0-180°) | 1.26 |
| Spacing Criterion (90-270°) | 1.32 |

Zonal Lumen Summary

| Zone | Lumens | %Fxt |
|---------|--------|-------|
| 0-20° | 617 | 10.2% |
| 0-30° | 1,315 | 21.7% |
| 0-40° | 2,169 | 35.8% |
| 20-50° | 2,462 | 40.7% |
| 40-70° | 2,492 | 41.1% |
| 0-60° | 3,937 | 65.0% |
| 0-80° | 5,198 | 85.8% |
| 0-90° | 5,547 | 91.6% |
| 90-180° | 509 | 8.4% |



ODS-US002

Occupancy Dimming Sensor

Technical Data:

Detection Area: 100%/75%/50%/25%

Hold-time: 5s/30s/1min/3 min/5min/10min/20min/30min

Daylight Threshold: 2lux/10lux/30lux/50lux/80lux/120lux/

Disable

Stand-by Period: 0s/10s/30s/min/5min/10min/30min/+∞

Stand-by Dimming Level: 10%/20%/30%/50%

Detection Range: DxH. (Radius)1.5-4mx5m (ceiling mounted)

Detection Angle: 360°(ceiling mounted); <150° (Wall Mounted)

Warranty: 5 Year Limited Warranty

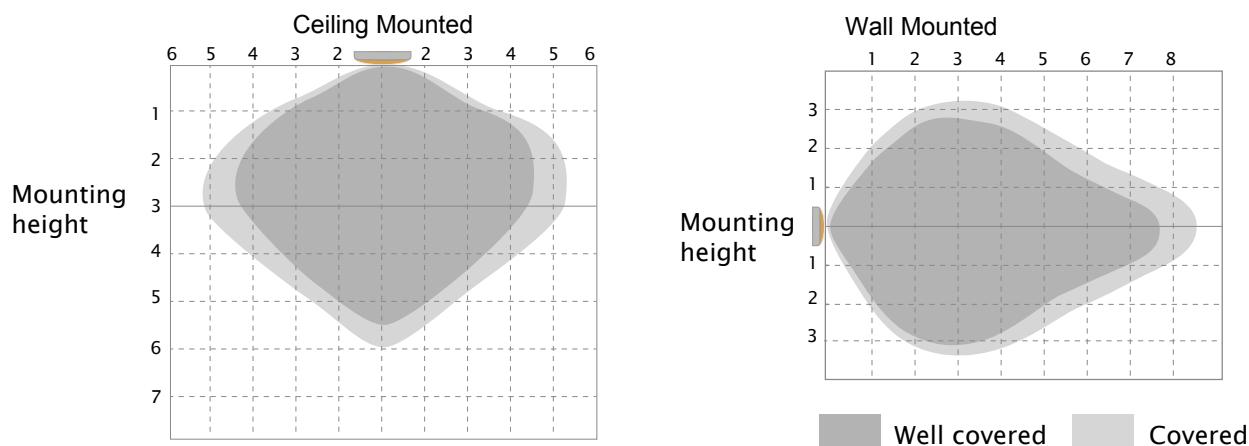


| | | | | | | | | | | | |
|---|----------------|---|----------------|---|-----------|---|-----------------|---|------------------------|---|------------------------|
|  | On/off control |  | Detection area |  | Hold time |  | Stand-by period |  | Stand-by dimming level |  | Remote control setting |
|---|----------------|---|----------------|---|-----------|---|-----------------|---|------------------------|---|------------------------|



Detection coverage (Unit: m)

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.



HD03R

Remote for ODS Occupancy Dimming Sensor and OS Passive Infrared

Selectable Detection Area: 100%/75%/50%/25%.

Hold Time: 5s/30s/1min/3min/5min/10min/20min/30min

Stand-by Dimming Level: 10%/20%/30%/50%.

Stand-by Period: 0s/10s/30s/1min/5min/10min/30min/+∞.)

Selectable Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

