| CATALOG # | | TYPE | |
|---|---|---|---|
| JOB NAME | | WATTAGE | VOLTAGE |

# Latitudes Series

*High Output Square • LED*
Up to 60,000 Hour Rated Life • Wet Listed
LM-79 Certified • LM-80 Qualified

# LRS-11535



# Specifications

## Delivered System Performance
- Nominal Lumens: **Must Specify**
  <u>Non-IC</u>
  **-6500L**
- Select trim & beam distribution: see chart
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 60,000 Hour Rated Life (L70)

## Thermal Protection: SPECIFY VOLTAGE
- Thermal protector for insulation detection per UL/NEC Must specify input voltage

## Thermal Management System
- Aluminum heat sink and components for cool operation, long life, and low maintenance

## LED Driver - INTERNAL
- Indoor/Outdoor: -30°C to 60°C (-22°F to 140°F)
- 0-10V CCR 10% dimming standard
- 120-277V / 50-60 Hz standard; load insensitive

## Trim Assembly
- Injection molded polycarbonate drop bisymmetric distribution lens
- Rust-free die-formed door and captive thumb screws. Concealed hinges.
- Beveled cast aluminum frame tooled to ensure close fit with door. White acrylic finish.

## Acrylic Enameled Aluminum Housing
- Rustproof and corrosion resistant: exceeds 1000 hour ASTM 5% salt spray test
- Shallow depth fits restricted plenums
- Cool operation extends component life
- Modular design; visible and fully serviceable through aperture
- Built-in plaster flange

## Outlet Box (Galvanized)
- UL Listed, 14GA, insulated, removable cover
- ½" and ¾" knockouts

## Installation & Hardware
- Indoor/outdoor in ceilings up to 1¼" thick
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

## UL, C-UL (Canada) Compliance
- UL Listed: wet, damp or dry locations, covered ceilings
- Through-branch conductors (4 #12 AWG 90°C)

## IEC & FCC Compliance
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

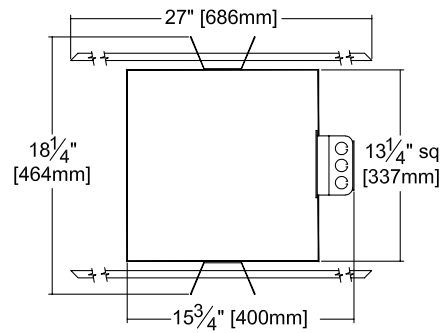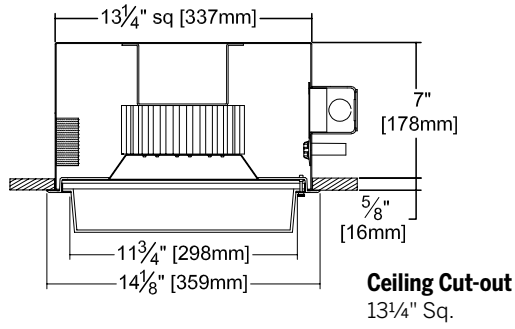## FIVE YEAR Limited Warranty
- Complete standard fixture

**Made in the USA** *BABAA Compliant*  |  **FCC Part 15 Certified**  |  **UL Listed Wet, Damp, Dry**

# Options and Ordering Configuration

**(Example: LRS-11535-6500L-120-WFL-50K-37F-SH)**

| Must Specify | | | | Optional | | | |
|---|---|---|---|---|---|---|---|
| **Model** | **Lumens** | **Volts** | **CCT† & CRI** | **Driver Options** | **Emergency Options** | **Trim Options** | **Other Options** |
| **LRS-11535** | | | | | | | |
| | **-6500L** | **-120**<br>**-277**<br>**-97†**: Other Voltage | **(Blank):** 3500°K, 80+ CRI<br><br>**80+ CRI\***<br>**-27K:** 2700°K<br>**-30K:** 3000°K<br>**-35K:** 3500°K<br>**-41K:** 4000°K<br>**-50K:** 5000°K<br>**\*Note:** Lumen Factor = 0.93 for -27K<br><br>**90+ CRI\*\***<br>**-27K-HC:** 2700°K<br>**-30K-HC:** 3000°K<br>**-35K-HC:** 3500°K<br>**-41K-HC:** 4000°K<br>**-50K-HC:** 5000°K<br>**\*\*Note:** Lumen Factor = 0.79 for -27K-HC; All Others = 0.85; consult factory | **(Blank):** Standard 0-10V CCR 10% dim<br><br>**-D1:** 0-10V 1.0% dim<br>**-D2:** 0-10V 0.1% dim<br>**-D3:** DALI 1.0% dim<br>**-D4:** DALI 100-0.1% dim<br>**-D5:** DMX512A 0% dimming instead. Consult factory for -6500L lumen series | **(Blank):** None<br><br>**-EI:** Remote emergency inverter for 40% of rated lumens for -6500 L, 50% for -5000L and -3500L. Not available for -2500L. Run time: 90+ minutes. 120 or 277V, 60 Hz input only. Specify voltage. Not for use with -FS.<br><br>**-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes | **(Blank):** Standard all-white self-flanged downlight square with lens above<br><br>**Trim Finishes**<br>**-35F:** Silver (natural aluminum) acrylic enameled flange<br>**-37F:** Dark bronze enamel flange<br>**-38F:** Black enamel flange<br>**-94:** Custom color; consult factory<br>**Other Trim Features**<br>**-26:** Tamperproof recessed hex, center pin, button door screw with key. One key/10 fixtures<br>**-32:** White trim extender, specify OD<br>**-45:** Gasket between trim & ceiling<br>**-46:** Gasket between trim & lens | **(Blank):** None<br><br>**Mounting**<br>**-RH:** Joist mounting hardware instead<br>**Other Options**<br>**-99:** Special modification; consult factory<br>**-AWN:** Athena Wireless Node; N/A for Dimming Option -D5<br>**-FS:** Fused primary; One per fixture; N/A for option -EI<br>**-SH:** Sealed housing and junction box<br>**\*Note:** For other integrated control solutions, such as nLight, contact factory |
| | | †Consult factory | | | | | |

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**KIRLIN**
ARCHITECTURAL LIGHTING

## Dimensions

13¼" sq [337mm]

7"
[178mm]

5⁄8"
[16mm]

11¾" [298mm]

14⅛" [359mm]

**Ceiling Cut-out**
13¼" Sq.
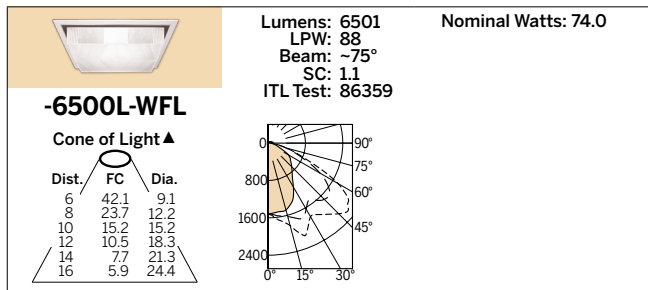
27" [686mm]

18¼"
[464mm]

13¼" sq
[337mm]

15¾" [400mm]

*\* See notes on page 1 for additional info on Lumen Factors*

## Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

**-6500L-WFL**

Lumens: 6501
LPW: 88
Beam: ~75°
SC: 1.1
ITL Test: 86359

Nominal Watts: 74.0

**Cone of Light ▲**

| Dist. | FC | Dia. |
|-------|------|------|
| 6 | 42.1 | 9.1 |
| 8 | 23.7 | 12.2 |
| 10 | 15.2 | 15.2 |
| 12 | 10.5 | 18.3 |
| 14 | 7.7 | 21.3 |
| 16 | 5.9 | 24.4 |

LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

**▲ Cone of Light Key**
Dia. (in ft.) shown is where FC
value is half the FC at nadir.

**Dist.** Distance (Ft.) from fixture
**FC** Footcandles at nadir (0°)
**Dia.** Circle of light at 50% of FC