

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

# Latitudes Series LED Lighting

## Regressed Lens 7" x 14" Surface Square

Up to 60,000 Hour Rated Life • Wet Listed  
LM-80 and LM-79 Certified

# LSS-07545



## Specifications

### Delivered System Performance

- Nominal Lumens: **Must Specify -2500**
- Select trim & beam distribution: WFL
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 60,000 Hour Rated Life (L70)

### Thermal Management System

- All aluminum heat sink and components for cool operation, long life, 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 and Lens Assembly

- Seamless tapered aluminum self-flanged trim with white finish
- Regressed tempered prismatic spread lens

### Aluminum Housing

- Rigid, tempered extruded 6063-T6 with white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- No visible housing hardware
- Cool operation: Extends life of all components
- Fully sustainable: Entire luminaire
- Lightweight: minimizes ceiling load

### Installation

- Center point mounting for snug fit to ceiling; mounting hardware furnished
- Indoor or outdoor for covered ceiling use (see Option -89)

### UL, C-UL (Canada) Listings

- Wet listed in surface of pendant mount

### 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



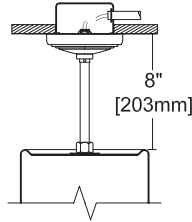
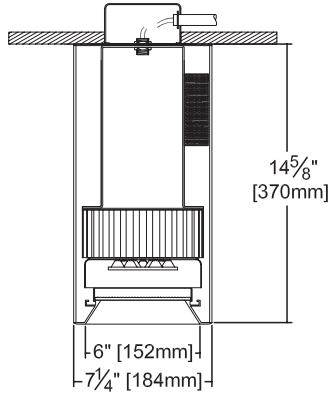
## Options and Ordering Configuration

(Example: LSS-07545-2500L-120-30K-35-PM-54)

Must Specify				Optional				
Model	Lumens	Volts	CCT & CRI	Driver Options	Emergency Options	Housing/Trim/Lens	Mounting Options	Other Options
LSS-07545	-2500L	-120 -277 -97†: Other Voltage	(Blank): 3500K, 80+ CRI  <b>80+ CRI*</b> -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4100°K -50K: 5000°K <b>*Note:</b> Lumen Factor = 0.93 for -27K  <b>90+ CRI**</b> -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4100°K -50K-HC: 5000°K  <b>**Note:</b> Lumen Factor = 0.79 for -27K-HC; All Others = 0.85; Consult Factory	(Blank): Standard 0-10V CCR 10% dim  -D1: 0-10V 1.0% dim -D2: 0-10V 0.1% dim -D3: DALI 1.0% dim -D4: DALI 100-0.1% dim -D5: DMX512A 0% dim; consult factory for use with pendant, cable mount -D40: -40°C driver with 0-10V 10% dimming instead -ECO: For use with Lutron EcoSystem controls; Dim to 1% or consult factory	(Blank): None  -ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes; N/A with pendant, cable mount	(Blank): Standard white enamel trim with tempered prismatic lens  <b>Housing Finishes</b> -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory  <b>Trim Options</b> -46: Gasket between trim and lens  <b>Lens Options</b> -13: Clear polycarbonate beneath standard lens -23: Frosted microprismatic lens instead -CF: Custom color filter (Rosco); specify -WA: White acrylic diffuser instead	(Blank): Standard surface  -80: 2" collar for mounting beneath surface outlet box; ½" T.S. KO's; add -89 for wet label -87: Custom length pendant/cable; for -ASB, -ASW, -PM -88: Swivel canopy for sloped ceilings to 40°; with -PM -89: Sealed top WeatherCap; must add -80, -PM and -WB for wet label -ASB: Aircraft cable, black cord; 48" or see -87; no wet label -ASW: Aircraft cable, white cord; 48" or see -87; no wet label -PM: Pendant stem; 8" stem or see -87; add -89 for wet label -WB: Wall mounted; add -89 for wet label	(Blank): None  -54: Safety cable from fixture through pendant stem and 12" beyond; use with -PM -99: Special modification; consult factory -FS: Single in-line fuse

† Consult factory

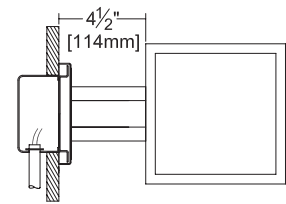
# Dimensions



Representative Views:

(Left) With optional pendant mount (Option -PM)

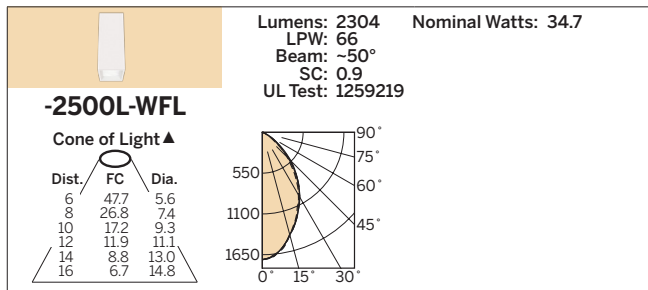
(Right) With optional wall bracket (Option -WB)



# Photometry - Installed Complete Fixture

Photometry from UL Verification Services, Allentown, PA

LM-79 IESNA Certified Photometry from Independent Lab



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

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, NORMAL USE, MANUFACTURER'S NEGLIGENCE, OR REPAIR OF THE FIXTURE OR REPAIR OF THE PURCHASE PRICE OR REPRESENTATION OF THE PURCHASE PRICE AND DEFECTIVE FIXTURE AT THE OFFICE OF THE MANUFACTURER WITHIN THE YEARS OF ORIGINAL SHIPMENT. LIABILITY OF MANUFACTURER IS LIMITED TO THE FOREGOING AND MANUFACTURER SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES, DIRECT OR INDIRECT, SUSTAINED OR SUFFERED BY PURCHASER OR ANY PERSON. THIS WARRANTY IS APPLIED TO THE BUYER IN PLACE OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. SELLER DOES NOT WARRANT AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, NOR WILL ANY ORAL STATEMENT CONSTITUTE A WARRANTY OR AMEND THIS SPECIFIC WARRANTY. ABNORMAL USE, ABUSE OF THE FIXTURE, IMPROPER INSTALLATION, OR REPAIR OF THE FIXTURE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE MANUFACTURER WILL RENDER THE WARRANTY VOID.