KIRLIN
ARCHITECTURAL LIGHTING

CATALOG #		TYPE	
JOB NAME		WATTAGE	VOLTAGE

Latitudes Series LED Lighting

Open Appearance 7" x 14" Surface Square
Up to 60,000 Hour Rated Life • Wet Listed
LM-80 and LM-79 Certified

LSS-07540
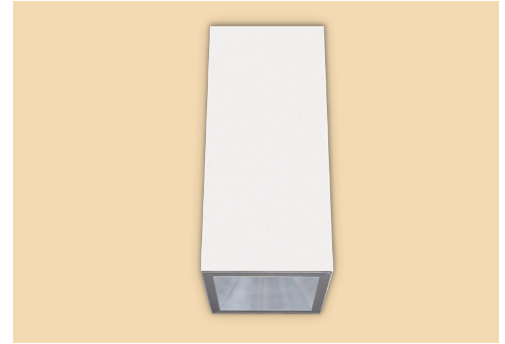
Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify -2500L**
- 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 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 Assembly
- High efficiency low brightness clear aluminum self-flanged reflector with tempered prismatic spread lens above

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
- 2" collar for surface J-box mount (see Option -80)
- Indoor or outdoor for covered ceiling use (see Option -89)

UL, C-UL (Canada) Listings
- Wet lised 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
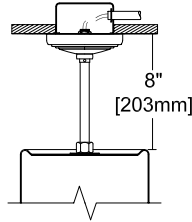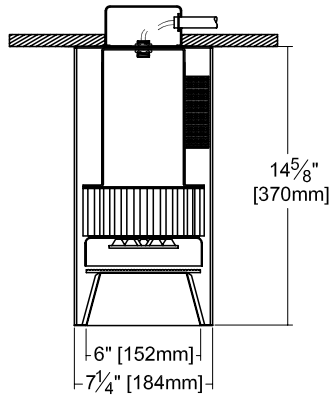- Complete standard fixture

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

Options and Ordering Configuration

(Example: LSS-07540-2500L-277-NFL-30K-30)

| Must Specify					Optional					
Model	**Lumens**	**Volts**	**Beam**	**CCT & CRI**	**Driver Options**	**Emergency Options**	**Housing/Trim/Lens**	**Mounting Options**	**Other Options**	
LSS-07540										
	-2500L	-120 -277 -97†: Other Voltage	(Blank): MFL -SPT -NFL -MFL	(Blank): 3500K, 80+ CRI **80+ CRI*** -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4000°K -50K: 5000°K ***Note:** Lumen Factor = 0.93 for -27K **90+ CRI**** -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4000°K -50K-HC: 5000°K ****Note:** 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 **Housing Finishes** -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory **Trim Options** -30: All white acrylic enameled cone -31: White acrylic enameled cone flange -70: Softex™ clear self-flanged cone -94: Custom color/finish; specify; consult factory **Lens Options** -23: Frosted microprismatic lens instead -WA: White acrylic diffuser instead; will produce wide flood distribution	(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								

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Dimensions

14⅝" [370mm]

6" [152mm]
7¼" [184mm]

8" [203mm]

Representative Views:

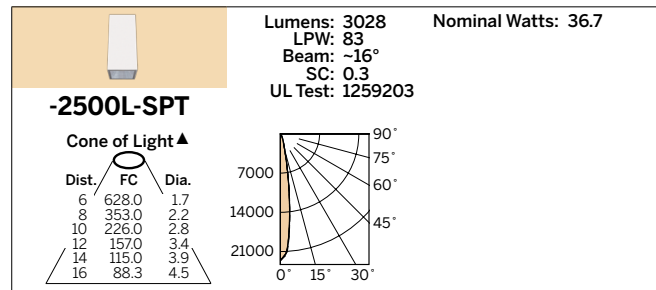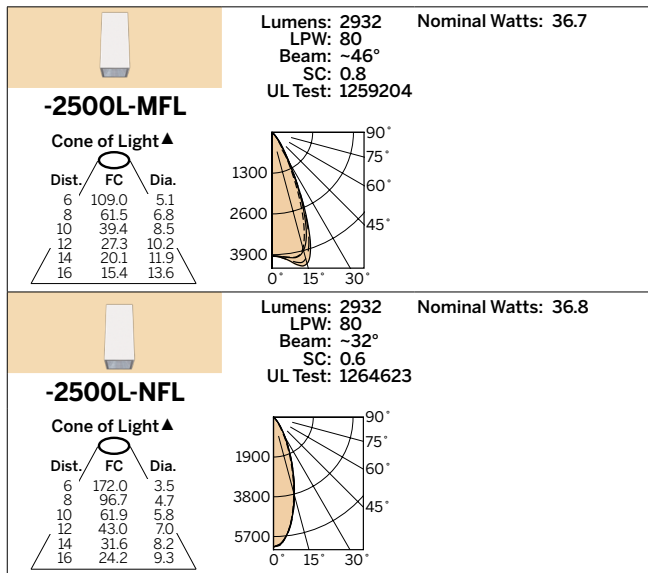(Left) With optional pendant mount (Option -PM)

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

4½" [114mm]
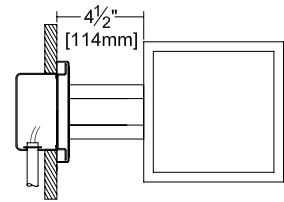
Photometry - Installed Complete Fixture

Photometry from UL Verification Services, Allentown, PA

LM-79 IESNA Certified Photometry from Independent Lab

-2500L-MFL

Lumens: 2932
LPW: 80
Beam: ~46°
SC: 0.8
UL Test: 1259204

Nominal Watts: 36.7

Cone of Light ▲

Dist.	FC	Dia.
6	109.0	5.1
8	61.5	6.8
10	39.4	8.5
12	27.3	10.2
14	20.1	11.9
16	15.4	13.6

1300 / 2600 / 3900

-2500L-NFL

Lumens: 2932
LPW: 80
Beam: ~32°
SC: 0.6
UL Test: 1264623

Nominal Watts: 36.8

Cone of Light ▲

Dist.	FC	Dia.
6	172.0	3.5
8	96.7	4.7
10	61.9	5.8
12	43.0	7.0
14	31.6	8.2
16	24.2	9.3

1900 / 3800 / 5700

-2500L-SPT

Lumens: 3028
LPW: 83
Beam: ~16°
SC: 0.3
UL Test: 1259203

Nominal Watts: 36.7

Cone of Light ▲

Dist.	FC	Dia.
6	628.0	1.7
8	353.0	2.2
10	226.0	2.8
12	157.0	3.4
14	115.0	3.9
16	88.3	4.5

7000 / 14000 / 21000

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