KIRLIN
ARCHITECTURAL LIGHTING

CATALOG #		TYPE	
JOB NAME		WATTAGE	VOLTAGE

Latitudes Series

LRS-06510

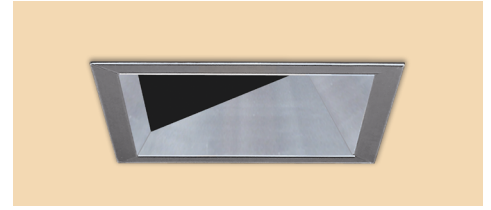*Open Appearance 6" Adjustable • LED*
Up to 60,000 Hour Rated Life • Wet Listed
LM-79 Certified • LM-80 Qualified

Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify**
  - Non-IC
  - **-6500L**
  - **-5000L**
  - **-3500L**
  - **-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)

Center Beam Optics
- Tilts up to 35° and locks in place
- Rotates full 365° and locks in place
- Accommodates sloped ceilings up to 35°

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
- Specular clear aluminum self-flanged angle cut cone with tempered glass lens above

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-06510-5000L-120-NFL-30K-37F-SH)

Must Specify					Optional			
Model	Lumens	Volts	Beam	CCT† & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRS-06510								
	-6500L **-5000L** **-3500L** **-2500L**	**-120** **-277** **-97†**: Other Voltage	**(Blank):** NFL **-SPT** **-NFL** **-MFL**	**(Blank):** 3500°K, 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; 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% dimming instead. Consult factory for -6500L lumen series — **-D40:** -40°C (-40°F) driver; 0-10V 10% dim; -3500L or -2500L only — **-ECO:** Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory -3500L max	**(Blank):** None — **-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. — **-EM:** Internal emergency battery pack. Delivers 500 lumens. Run time 90+ minutes. CEC compliant. — **-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	**(Blank):** Standard clear aluminum self-flanged angle-cut cone with lens above — **Trim Finishes** — **-30:** All white acrylic enameled cone flange — **-31:** White acrylic enameled cone flange — **-37F:** Dark bronze enamel flange — **-38F:** Black enamel flange — **-94:** Custom color; consult factory — **Other Trim Features** — **-32:** White trim extender, specify OD — **-45:** Gasket between trim & ceiling	**(Blank):** None — **Mounting** — **-RH:** Joist mounting hardware instead — **Other Options** — **-99:** Special modification; consult factory — **-AWN:** Athena Wireless Node; N/A for Dimming Options -D5, -D40, -ECO — **-FS:** Fused primary; One per fixture; N/A for option -EI — **-SH:** Sealed housing and junction box — ***Note:** For other integrated control solutions, such as nLight, contact factory
		†Consult factory						

Kirlin Lighting | 3401 E. Jefferson Ave., Detroit, MI 48207-4232, USA | P: 313.259.6400 | www.kirlinlighting.com

Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-6500L	1.00	73.2	1.00
-5000L	0.86	59.0	1.07
-3500L	0.66	44.9	1.08
-2500L	0.52	36.5	1.03

Dimensions

11⁷⁄₈" sq [302mm]
9½" [243mm]
6" [152mm]
7¼" [184mm]
⅝" [16mm]

27" [686mm]
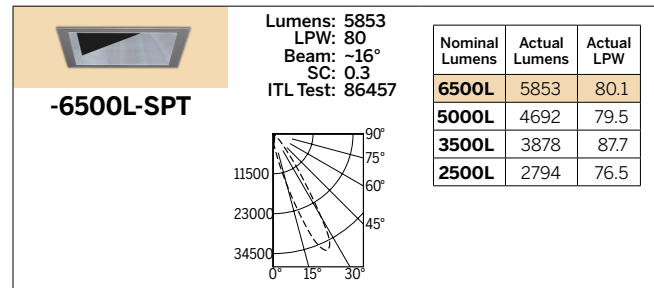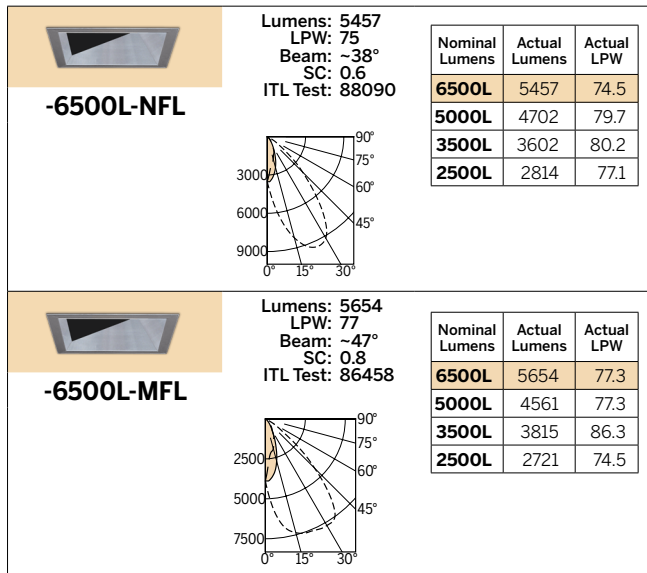16½" [419mm]
11⁷⁄₈" sq [302mm]
14³⁄₈" [364mm]
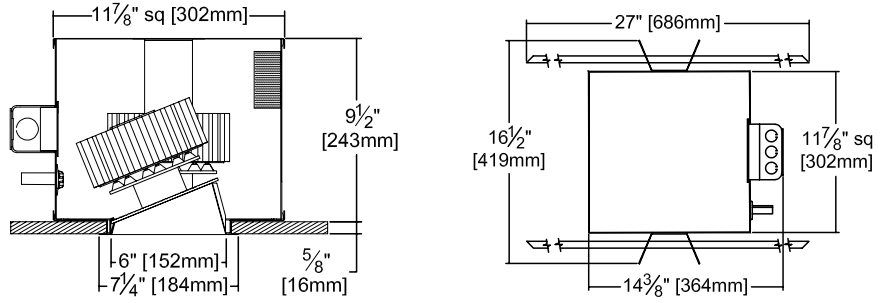
Ceiling Cut-out
6¾" Sq.

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

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

-6500L-NFL

Lumens: 5457
LPW: 75
Beam: ~38°
SC: 0.6
ITL Test: 88090

Nominal Lumens	Actual Lumens	Actual LPW
6500L	5457	74.5
5000L	4702	79.7
3500L	3602	80.2
2500L	2814	77.1

-6500L-MFL

Lumens: 5654
LPW: 77
Beam: ~47°
SC: 0.8
ITL Test: 86458

Nominal Lumens	Actual Lumens	Actual LPW
6500L	5654	77.3
5000L	4561	77.3
3500L	3815	86.3
2500L	2721	74.5

-6500L-SPT

Lumens: 5853
LPW: 80
Beam: ~16°
SC: 0.3
ITL Test: 86457

Nominal Lumens	Actual Lumens	Actual LPW
6500L	5853	80.1
5000L	4692	79.5
3500L	3878	87.7
2500L	2794	76.5

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

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LATITUDES
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