KIRLIN
ARCHITECTURAL LIGHTING

CATALOG #		TYPE	
JOB NAME		WATTAGE	VOLTAGE

Latitudes Series LED Lighting

LSR-12483

Regressed Lens 12"x 20" Cylinder
Up to 60,000 Hour Rated Life • Wet Listed
LM-80 and LM-79 Certified

Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify**
  - **-6500L**
  - **-5000L**
  - **-3500L**
  - **-2500L**
- 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 Optical Assembly
- Seamless tapered aluminum self-flanged trim with white finish
- Regressed tempered prismatic spread lens

Aluminum Housing
- Seamless white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- Interlocking flare trim
- No visible cylinder 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, damp or dry locations, covered ceilings (see Option -89)

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: LSR-12483-3500L-120-41K-38-89-WB)

Must Specify				Optional					
Model	**Lumens**	**Volts**	**CCT & CRI**	**Driver Options**	**Emergency Options**	**Housing/Trim/Lens**	**Mounting Options**	**Other Options**	
LSR-12483									
	-6500L **-5000L** **-3500L** **-2500L**	**-120** **-277** **-97†:** Other Voltage	**(Blank):** 3500K, 80+ CRI	**(Blank):** Standard 0-10V CCR 10% dim	**(Blank):** None	**(Blank):** White seamless tapered aluminum self-flanged trim with prismatic lens	**(Blank):** Standard surface	**(Blank):** None	
			80+ CRI*	**-D1:** 0-10V 1.0% dim	**-EI:** Remote inverter for 40% of rated lumens for -6500L, 50% for -5000L and -3500L; not available for -2500L; 90+ minutes; 120 or 277V, 60Hz input only N/A for option -FS	**Housing Finishes**	**-80:** 2" collar for mounting beneath surface outlet box. ½" T.S. KO's; add -89 for wet label	**-54:** Safety cable from fixture through pendant stem and 12" beyond; use with -PM	
			-27K: 2700°K	**-D2:** 0-10V 0.1% dim		**-35:** Silver enamel finish			
			-30K: 3000°K	**-D3:** DALI 1.0% dim		**-37:** Dark bronze enamel finish	**-87:** Custom length pendant/cable; for -ASB, -ASW, -PM	**-99:** Special modification; consult factory	
			-35K: 3500°K	**-D4:** DALI 100-0.1% dim		**-38:** Black enamel finish	**-88:** Swivel canopy for sloped ceilings to 40°; with -PM		
			-41K: 4000°K	**-D5:** DMX512A 0% dimming instead; consult factory for -6500L lumen series; consult factory for use with pendant, cable mount	**-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes; N/A with pendant, cable mount	**-94:** Custom color/finish; specify; consult factory	**-89:** WeatherCap cover for wet label; for -80, -PM, -WB for wet label	**-FS:** Single in-line fuse; N/A for Option -EI	
			-50K: 5000°K			**Trim Options**			
			***Note:** Lumen Factor = 0.93 for -27K			**-46:** Gasket between trim and lens	**-ASB:** Aircraft cable, black cord; 48" or see -87; no wet label		
			90+ CRI**	**-D40:** -40°C driver with 0-10V 10% dimming instead for -3500L or -2500L only		**-94:** Custom color/finish; specify; consult factory	**-ASW:** Aircraft cable, white cord; 48" or see -87; no wet label		
			-27K-HC: 2700°K			**Lens Options**			
			-30K-HC: 3000°K	**-ECO:** For use with Lutron EcoSystem controls; Dim to 1% or consult factory; 3500L max		**-13:** Clear poly lens beneath standard lens	**-PM:** Pendant stem; 8" stem or see -87; add -89 for wet label		
			-35K-HC: 3500°K			**-23:** Frosted microprismatic lens instead			
			-41K-HC: 4000°K			**-CF:** Custom color filter (Rosco); specify	**-WB:** Wall mounted; add -89 for wet label		
			-50K-HC: 5000°K			**-WA:** White acrylic diffuser instead; will produce wide flood distribution			
			****Note:** Lumen Factor = 0.79 for -27K-HC; All Others = 0.85; Consult Factory						
		† Consult factory							

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

KIRLIN
ARCHITECTURAL LIGHTING

Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-6500L	1.00	73.6	1.00
-5000L	0.766	56.9	0.991
-3500L	0.614	42.5	1.062
-2500L	0.489	34.7	1.038

Dimensions

20" [509mm]

8" [203mm]

10¾" [273mm]
12" [305mm]

6⅞" [175mm]
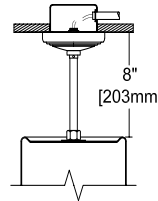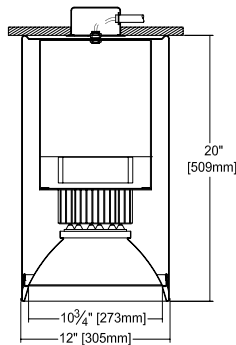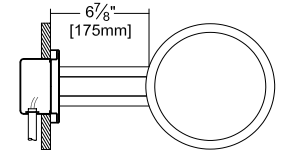
Representative Views:

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

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

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

Photometry from UL Verification Services, Allentown, PA

-6500L-WFL

Lumens: 5630
LPW: 77
Beam: ~45°
SC: 0.9
ITL Test: 87504

Cone of Light ▲

Dist.	FC	Dia.
6	113.6	5.3
8	63.9	7.1
10	40.9	8.9
12	28.4	10.7
14	20.9	12.4
16	16.0	14.2

Nominal Lumens	Actual Lumens	Actual LPW
6500L	5630	76.5
5000L	4313	75.8
3500L	3457	80.5
2500L	2753	79.4
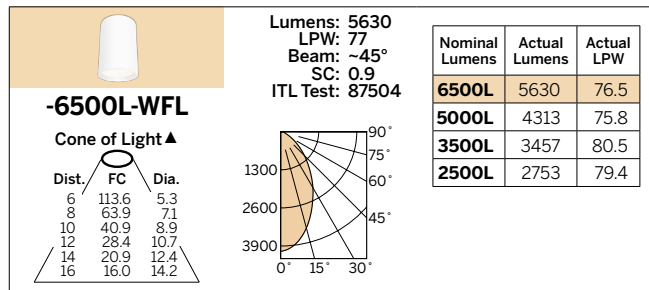
LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

▲ 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

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

LATITUDES
NOVEMBER 2024