KIRLIN
ARCHITECTURAL LIGHTING

CATALOG #			TYPE
JOB NAME		WATTAGE	VOLTAGE

Latitudes Series LED Lighting

Open Appearance Adjustable 12" Cylinder
Up to 60,000 Hour Rated Life • Wet Listed
LM-80 and LM-79 Certified

LSR-12482

Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify**
  - **-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)

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

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
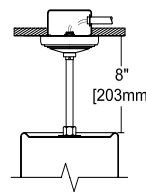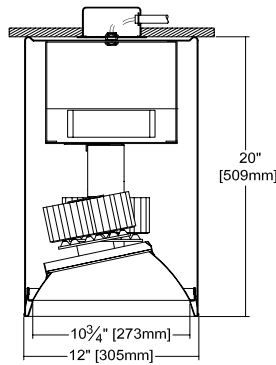
Options and Ordering Configuration

(Example: LSR-12482-6500L-277-SPT-30K-35-80-89)

Must Specify					Optional				
Model	Lumens	Volts	Beam	CCT & CRI	Driver Options	Emergency Options	Housing/Trim Options	Mounting Options	Other Options
LSR-12482									
	-6500L **-5000L** **-3500L** **-2500L**	**-120** **-277** **-97**† : Other Voltage	**(Blank):** NFL **-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% dimming instead; consult factory for -6500L lumen series; consult factory for use with pendant, cable mount **-D40:** -40°C driver with 0-10V 10% dimming instead for -3500L or -2500L only **-ECO:** For use with Lutron EcoSystem controls; Dim to 1% or consult factory; -3500L max	**(Blank):** None **-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 **-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes; N/A with pendant, cable mount	**(Blank):** Clear aluminum self-flanged angle cut cone with tempered glass 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 **-70:** Softex™ clear self-flanged cone **-94:** Custom color/finish; specify; consult factory	**(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:** WeatherCap cover for wet label; for -80, -PM, -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; N/A for Option -EI
		† Consult factory							

Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-6500L	1.00	74.0	1.00
-5000L	0.766	57.2	0.991
-3500L	0.614	42.8	1.062
-2500L	0.489	34.9	1.038

Dimensions

20" [509mm]

10¾" [273mm]
12" [305mm]

8" [203mm]

6⅞" [175mm]
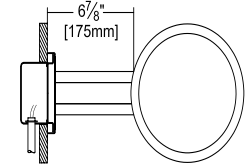
Representative Views:

(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-NFL

Lumens: 5620
LPW: 76
Beam: ~40°
SC: 0.6
ITL Test: 88182

Nominal Lumens	Actual Lumens	Actual LPW
6500L	5620	75.9
5000L	4305	75.2
3500L	3451	80.6
2500L	2748	78.8

-6500L-MFL

Lumens: 6040
LPW: 82
Beam: ~42°
SC: 0.8
ITL Test: 87503

Nominal Lumens	Actual Lumens	Actual LPW
6500L	6040	81.7
5000L	4627	81.0
3500L	3709	86.8
2500L	2954	84.8

-6500L-SPT

Lumens: 6140
LPW: 83
Beam: ~16°
SC: 0.3
ITL Test: 87502

Nominal Lumens	Actual Lumens	Actual LPW
6500L	6140	83.1
5000L	4703	82.4
3500L	3770	88.3
2500L	3002	86.3

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