Latitudes Series LED Lighting

LSR-12484

Shallow Lensed 12" x 4" Cylinder Downlight
Up to 90,000 Hour Rated Life • Wet Listed
LM-80 Qualified • LM-79 Certified

Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify**
    - **-2000L**
    - **-1500L**
    - **-1000L**
- Select trim & beam distribution: WFL
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 90,000 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
- White flat seamless aluminum, one piece self-flanged
- Tempered prismatic spread distribution lens or see optional lenses
- For vandal-resistant version, see Option -13

Aluminum Housing
- Seamless white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- Water-tight construction with weatherproof closed cell top gasket for wet location use
- No visible cylinder hardware
- Cool operation: Extends life of all components
- Fully sustainable: Entire luminaire is modular, easily visible, and serviced through aperature
- Lightweight: minimizes ceiling load

Installation
- Direct mount to any J-box pattern
- Indoor or outdoor
- See Option -NAT for natatorium use
- Option -PM for pendant mount

Quick Ship Eligible
- Eligible for Quick Ship of 2 weeks or less
- Quantity requirements: 10 - 100 pieces
- Requires choosing options in **red** on the next page and including the -QS option code

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* | **VR** Vandal Resistant *See Option -13* | **Natatorium** *See Option -NAT* | **Quick Ship** *See Option -QS* | **UL Listed** Wet, Damp, Dry

Options and Ordering Configuration

(Example: LSR-12484-1500L-120-30K-EI-35-88-PM)

Must Specify				Optional				
Model	**Lumens**	**Volts**	**CCT & CRI**	**Driver Options**	**Emergency Options**	**Housing/Trim/Lens Options**	**Mounting Options**	**Other Options**
LSR-12484	**-2000L** **-1500L** **-1000L**	**-120** **-277** -97†: Other Voltage	**(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	**(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 **-D40:** -40°C driver with 0-10V 10% dimming instead † Consult factory for use with -2000L series	**(Blank):** None **-EI:** Remote inverter for 100% of rated lumens; 90+ minutes; 120 or 277V, 60Hz input only; N/A for option -FS **-EM:** Internal emergency battery pack; Delivers 500 lumens; CEC Compliant; 90+ minutes **-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; 90+ minutes; N/A with pendant mount	**(Blank):** Standard white enamel **Housing Finishes** **-35:** Silver enamel finish **-37:** Dark bronze enamel finish **-38:** Black enamel finish **-94:** Custom color/finish; specify; consult factory **Trim Options** **-46:** Gasket between lens and trim **Lens Options** **-13:** Vandal resistant clear flat polycarbonate below with prismatic flat lens above **-23:** Frosted microprismatic lens instead **-CF:** Custom color filter (Rosco); specify **-WA:** White acrylic diffuser instead; will produce wide flood distribution	**(Blank):** Standard surface mount **-80:** 2" collar for mounting beneath surface outlet box; ½" T.S. KO's; covered ceilings only **-87:** Custom length pendant; for -PM **-88:** Swivel canopy for sloped ceilings to 40°; with -PM **-PM:** Pendant stem; 8" stem or see -87	**(Blank):** None **-99:** Special modification; consult factory **-FS:** Single in-line fuse; N/A for Option -EI **-NAT:** Modified for natatorium use **-QS:** Quick Ship; Options must be only red items; Quantities of 10-100

LATITUDES January 2025

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

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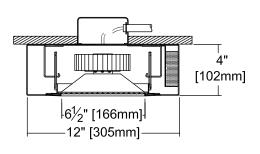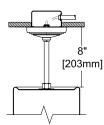
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Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-2000L	1.257	26.1	0.92
-1500L	1.000	19.1	1.00
-1000L	0.579	9.5	1.17

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

Dimensions

4" [102mm]

6½" [166mm]

12" [305mm]

8" [203mm]
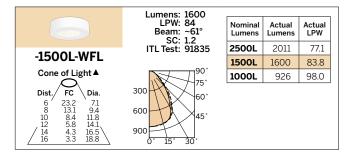
Representative View:

With optional pendant mount (Option -PM)

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

Photometry from I.T.L., Boulder, CO

-1500L-WFL

Lumens: 1600
LPW: 84
Beam: ~61°
SC: 1.2
ITL Test: 91835

Nominal Lumens	Actual Lumens	Actual LPW
2500L	2011	77.1
1500L	1600	83.8
1000L	926	98.0

Cone of Light ▲

Dist.	FC	Dia.
6	23.2	7.1
8	13.1	9.4
10	8.4	11.8
12	5.8	14.1
14	4.3	16.5
16	3.3	18.8

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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