CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

Latitudes Series LED Lighting

LSR-12486

Super Shallow Lensed 12" x 4" Cylinder Downlight

Up to 60,000 Hours • Wet Listed • LM-80 and LM-79 Certified

Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify -2500L**
- Select trim & beam distribution: MFL
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 60,000 hour 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

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 *BAA Compliant* | Vandal Resistant *See Option -13* | Natatorium *See Option -NAT* | FCC Part 15 Certified | UL Listed Wet, Damp, Dry

Options and Ordering Configuration

(Example: LSR-12486-2500L-120-MFL-41K-ECO-38-NAT)

Must Specify				Optional				
Model	**Lumens**	**Volts**	**CCT & CRI**	**Driver Options**	**Emergency Options**	**Housing/Trim/Lens Options**	**Mounting Options**	**Other Options**
LSR-12486								
	-2500L	**-120** **-277** **-97**†: Other Voltage † Consult factory	**(Blank):** 3500K, 80+ CRI **80+ CRI*** **-27K:** 2700°K **-30K:** 3000°K **-35K:** 3500°K **-41K:** 4100°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:** 4100°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 **-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 Features** **-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 **-NAT:** Modified for natatorium use

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

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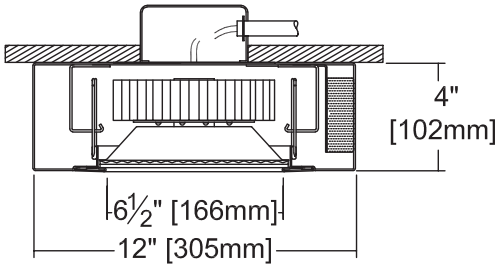
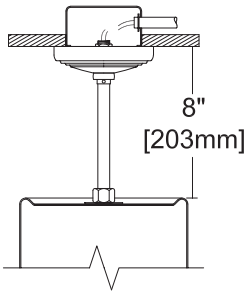
KIRLIN ARCHITECTURAL LIGHTING

Dimensions



Representative View:

With optional pendant mount (Option -PM)



Photometry - Installed Complete Fixture

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

LM-79 IESNA Certified Photometry from Independent Lab

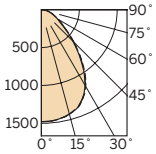
-2500L-WFL

Lumens: 2846
LPW: 90
Beam: ~61°
SC: 1.2
ITL Test: 91837

Nominal Watts: 31.6

Cone of Light ▲

Dist.	FC	Dia.
6	41.0	7.0
8	23.1	9.4
10	14.8	11.7
12	10.3	14.1
14	7.5	16.4
16	5.8	18.7



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

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTIED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE, INSTALLED TO N.E.C., IN NORMAL USE. Manufacturer at his option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within five years of original shipment. Liability of manufacturer is limited to the foregoing, and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is supplied to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair or modification of the fixture without prior written authorization from the manufacturer will render the warranty void.

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