KIRLIN
ARCHITECTURAL LIGHTING

CATALOG #		TYPE
JOB NAME	WATTAGE	VOLTAGE

Latitudes Series LED Lighting
Super Shallow Lensed 12" x 4" Cylinder Downlight
Up to 60,000 Hour Rated Life • Wet Listed
LM-80 and LM-79 Certified

LSR-12486

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 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 aperture
- 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
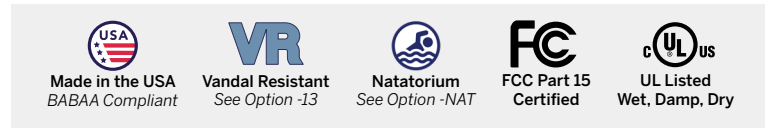
IEC & FCC Compliance
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

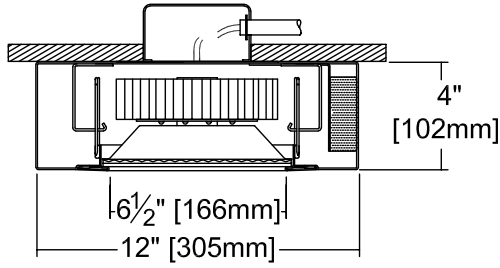### FIVE YEAR Limited Warranty
- Complete standard fixture

Made in the USA *BABAA Compliant* | **VR 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)

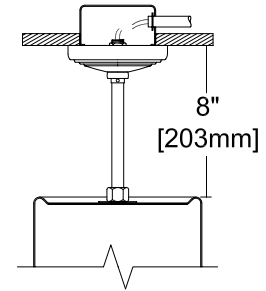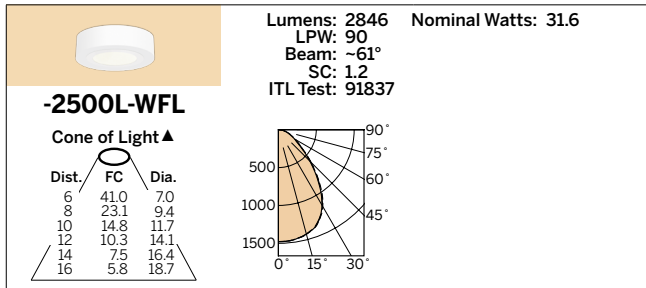| Must Specify				Optional					
Model	Lumens	Volts	CCT & CRI	Driver Options	Emergency Options	Housing/Trim/Lens Options		Mounting Options	Other Options
LSR-12486	-2500L	-120 -277 -97†: Other Voltage † Consult factory	**(Blank):** 3500K, 80+ CRI **80+ CRI*** -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: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

4"
[102mm]

6½" [166mm]
12" [305mm]

Representative View:

With optional pendant
mount (Option -PM)

8"
[203mm]

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

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

-2500L-WFL

Lumens: 2846   Nominal Watts: 31.6
LPW: 90
Beam: ~61°
SC: 1.2
ITL Test: 91837

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

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