KIRLIN
ARCHITECTURAL LIGHTING

CATALOG #		TYPE	
JOB NAME		WATTAGE	VOLTAGE

Latitudes Series LED Lighting

Surface Vandal 12" Downlight
Up to 90,000 Hour Rated Life • Wet Listed
LM-80 and LM-79 Certified

LSV-12487

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
- Vandal resistant seamless white self-flanged aluminum, one piece self-flanged trim
- Flush center pin tamperproof hex screws and captive nuts secure trim to housing

- High-strength prismatic acrylic above ⅛" clear flat polycarbonate
- Tamperproof tool included

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
- See Options for additional finishes and mounts

Installation
- Direct mount to any J-box pattern
- Indoor or outdoor
- 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 listed in surface or 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

Options and Ordering Configuration
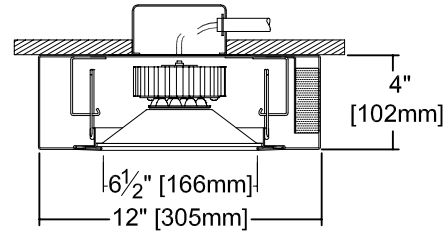
(Example: LSV-12487-2000L-120-50K-94-NAT)

Made in the USA *BABAA Compliant* | **VR Vandal Resistant** | **Natatorium** *See Option -NAT* | **Quick Ship** *See Option -QS* | **UL Listed** *Wet, Damp, Dry*

Must Specify				Optional					
Model	Lumens	Volts	CCT & CRI	Driver Options	Emergency Options	Housing/Trim/Lens		Mounting Options	Other Options
LSV-12487	**-2000L** **-1500L** **-1000L**	**-120** **-277** **-97**[†]: Other Voltage	**(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 **-D40:** -40°C driver with 0-10V 10% dimming instead [†]Consult factory for use with -2000L series	**(Blank):** None **-EI:** Remote inverter for 100% rated lumens; 90+ minutes; 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 with prismatic acrylic lens **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** **-23:** Frosted microprismatic lens instead **-46:** Gasket between trim and lens **-CF:** Custom color filter (Rosco); specify **-WA:** White acrylic lens instead		**(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. Not for use with Option -EI **-NAT:** Modified for natatorium use **-QS:** Quick Ship; Options must be only red items; Quantities of 10-100

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
-2000L	1.257	26.0	0.92
-1500L	1.00	19.0	1.00
-1000L	0.579	9.40	1.17

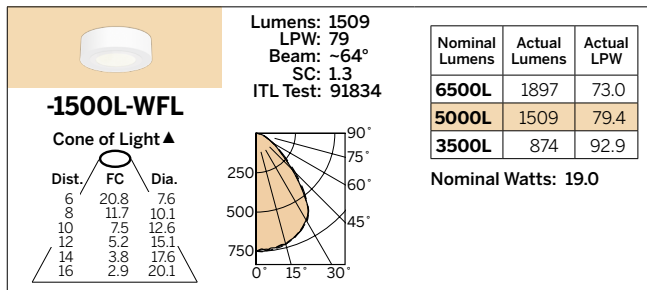** See notes on page 1 for additional info on Lumen Factors*

Dimensions

4" [102mm]

6½" [166mm]
12" [305mm]

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

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

-1500L-WFL

Lumens: 1509
LPW: 79
Beam: ~64°
SC: 1.3
ITL Test: 91834

Nominal Lumens	Actual Lumens	Actual LPW
6500L	1897	73.0
5000L	1509	79.4
3500L	874	92.9

Nominal Watts: 19.0

Cone of Light ▲

Dist.	FC	Dia.
6	20.8	7.6
8	11.7	10.1
10	7.5	12.6
12	5.2	15.1
14	3.8	17.6
16	2.9	20.1

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