KIRLIN
ARCHITECTURAL LIGHTING

CATALOG #		TYPE	
JOB NAME		WATTAGE	VOLTAGE

Latitudes Series

Classic "K" Lens 10" Downlight • LED
Up to 60,000 Hour Rated Life • Wet Listed
LM-79 Certified • LM-80 Qualified

LRS-10526

Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify**
  - Non-IC
    - **-5000L**
    - **-3500L**
- 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 Protection: SPECIFY VOLTAGE
- Thermal protector for insulation detection per UL/NEC Must specify input voltage

Thermal Management System
- Aluminum heat sink and components for cool operation, long life, and 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
- Shock-resisting, UV absorbing prismatic convex widespread frosted Kirlin lens. See Options for others
- Rust-free polished nickel stainless door (304-L) and captive thumb screw
- Concealed hinges for fast relamping
- Attractively beveled cast aluminum frame tooled to ensure close fit with door. White acrylic finish

Acrylic Enameled Aluminum Housing
- Rustproof and corrosion resistant: exceeds 1000 hour ASTM 5% salt spray test
- Shallow depth fits restricted plenums
- Cool operation extends component life
- Modular design; visible and fully serviceable through aperture
- Built-in plaster flange

Outlet Box (Galvanized)
- UL Listed, 14GA, insulated, removable cover
- ½" and ¾" knockouts

Installation & Hardware
- Indoor/outdoor
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

UL, C-UL (Canada) Compliance
- UL Listed: wet, damp or dry locations, covered ceilings
- Through-branch conductors (4 #12 AWG 90°C)

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
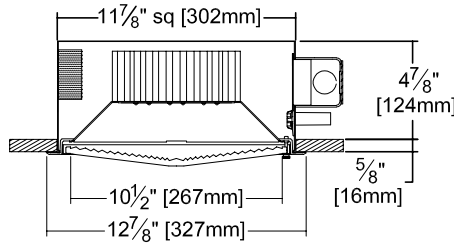- Complete standard fixture

VR Vandal Resistant *See Option -13* | **USA** Made in the USA *BABAA Compliant* | **FCC** FCC Part 15 Certified | **c(UL)us** UL Listed Wet, Damp, Dry

Options and Ordering Configuration

(Example: LRS-10526-3500L-277-WFL-41K-38F-46-RH-SH)

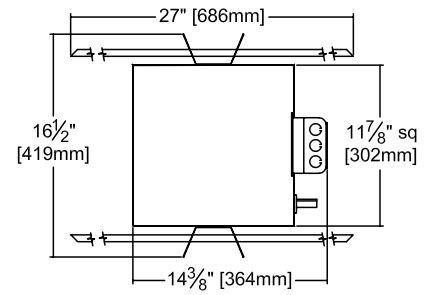| Must Specify				Optional				
Model	Lumens	Volts	CCT† & CRI	Driver Options	Emergency Options	Trim Options		Other Options
LRS-10526								
	-5000L **-3500L**	**-120** **-277** **-97†**: Other Voltage	**(Blank):** 3500°K, 80+ CRI **80+ CRI*** **-27K:** 2700°K **-30K:** 3000°K **-35K:** 3500°K **-41K:** 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 †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 **-D40:** -40°C (-40°F) driver; 0-10V 10% dim; -3500L only **-ECO:** Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory -3500L	**(Blank):** None **-EI:** Remote emergency inverter for 50% of rated lumens. Run time: 90+ minutes. 120 or 277V, 60 Hz input only. Specify voltage. Not for use with -FS. **-EM:** Internal emergency battery pack. Delivers 500 lumens. Run time 90+ minutes. CEC compliant. **-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	**(Blank):** Prismatic convex widespread frosted Kirlin lens with rust-free polished nickel stainless door and beveled cast aluminum frame **Trim Finishes** **-35F:** Silver (natural aluminum) acrylic enameled flange **-37F:** Dark bronze enamel flange **-38F:** Black enamel flange **-94:** Custom color; consult factory **Other Trim Features** **-13:** Vandal resistant tampered prismatic spread lens above ⅛" flat polycarbonate. Also see Option -26 **-17:** .187" prismatic high strength acrylic lens. Also see Option -26 **-23:** Frosted microprismatic lens instead **-26:** Tamper-resistant button head recessed hex screw with center pin and 1 key/10 fixtures **-32:** White trim extender, specify OD **-45:** Gasket between trim & ceiling **-46:** Gasket between trim & lens **-WA:** White acrylic (flat) diffuser instead; will produce wide flood distribution		**(Blank):** None **Mounting** **-RH:** Joist mounting hardware instead **Other Options** **-99:** Special modification; consult factory **-AWN:** Athena Wireless Node; N/A for Dimming Options -D5, -D40, -ECO **-FS:** Fused primary; One per fixture; N/A for option -EI **-SH:** Sealed housing and junction box ***Note:** For other integrated control solutions, such as nLight, contact factory

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

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Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-5000L	1.00	57.5	1.00
-3500L	0.80	43.0	1.07

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

Dimensions

11⅞" sq [302mm]

4⅞" [124mm]

10½" [267mm]
12⅞" [327mm]

⅝" [16mm]

Ceiling Cut-out
12¼" Sq.

27" [686mm]

16½" [419mm]

11⅞" sq [302mm]

14⅜" [364mm]

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

-5000L-WFL

Lumens: 4725
LPW: 82
Beam: ~65°
SC: 1.3
ITL Test: 87519

Nominal Lumens	Actual Lumens	Actual LPW
5000L	4725	82.2
3500L	3799	88.3

Cone of Light ▲

Dist.	FC	Dia.
6	43.9	7.6
8	24.7	10.2
10	15.8	12.7
12	11.0	15.3
14	8.1	17.8
16	6.2	20.4
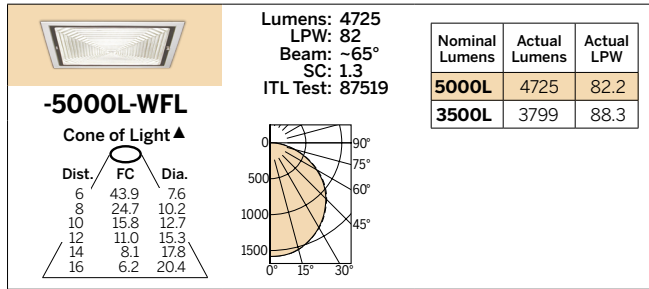
LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

▲ 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

LATITUDES
NOVEMBER 2024

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