CATALOG #		TYPE	
JOB NAME		WATTAGE	VOLTAGE

Latitudes Series

Open Appearance 4" Downlight • LED
Up to 60,000 Hour Rated Life • Wet Listed
LM-79 Certified • LM-80 Qualified

LRR-04400

Specifications

Delivered System Performance
- Nominal Lumens: **Must Specify**
  - Non-IC
    - -2500L
- 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
- Clear specular aluminum trim
- Self-flanged, low glare cone with lens above
- Optional colors and finishes available

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 in ceilings up to 1⅛" thick or see Option -79
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

UL, C-UL (Canada)
- 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
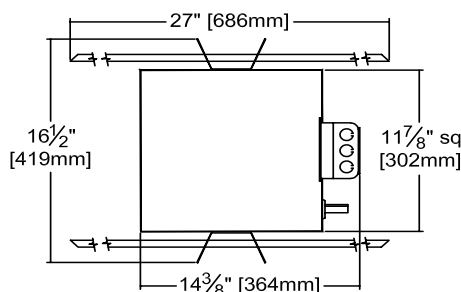
FIVE YEAR Limited Warranty
- Complete standard fixture

Made in the USA *BABAA Compliant* — **Natatorium** *See Option -NAT* — **FCC Part 15 Certified** — **UL Listed Wet, Damp, Dry**

Options and Ordering Configuration

(Example: LRR-04400-2500L-120-SPT-35K-30T-RH-NAT)

Must Specify					Optional			
Model	**Lumens**	**Volts**	**Beam**	**CCT† & CRI**	**Driver Options**	**Emergency Options**	**Trim Options**	**Other Options**
LRR-04400								
	-2500L	**-120** **-277** **-97†**: Other Voltage	**(Blank):** MFL **-SPT** **-NFL** **-MFL**	**(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 (-40°F) driver; 0-10V 10% dim **-ECO:** Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory	**(Blank):** None **-EM:** Internal emergency battery pack; Delivers 500 lumens; Run time: 90+ minutes **-ERH:** Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	**(Blank):** Standard clear specular trim; low glare cone with lens above **Trim Finishes** **-30F:** White enamel (flange only) **-30T:** White enamel (complete trim) **-35F:** Silver enamel (flange only) **-35T:** Silver enamel (complete trim) **-37F:** Dark bronze enamel (flange only) **-37T:** Dark bronze enamel (complete trim) **-38F:** Black enamel (flange only) **-38T:** Black enamel (complete trim) **-70T:** Clear semi-specular SofTex™ (complete trim) **-94:** Custom color; consult factory **Other Trim Features** **-23:** Frosted microprismatic lens **-32:** White trim extender, specify OD **-33:** Decorative Glow Ring; see last page for details **-45:** Gasket between trim & ceiling **-CF:** Custom color filter (Rosco); Specify **-WA:** White acrylic lens	**(Blank):** None **Mounting** **-79:** Extension collar for ceilings up to 2" thick **-RH:** Joist mounting hardware instead **Other Options** **-99:** Special modification; consult factory **-AWN:** Athena Wireless Node; N/A for Dimming Options -D40, -ECO **-FS:** Fused primary; One per fixture; N/A for option -EI **NAT:** Modified for natatorium use **-SH:** Sealed housing and junction box **-TA:** Top access for servicing from above ceiling ***Note:** For other integrated control solutions, such as nLight, contact factory
		†Consult factory						

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

LRR-04400
PERFORMANCE

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Dimensions

11⅞" sq [302mm]

4⅜" [111mm]

[101mm]
[140mm]
4"
5½"

⅝" [16mm]

Ceiling Cut-out
5" Dia.

27" [686mm]

16½" [419mm]

11⅞" sq [302mm]

14⅜" [364mm]

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

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

-2500L-MFL

Lumens: 2838
LPW: 78
Beam: ~37°
SC: 0.7
ITL Test: 1259172
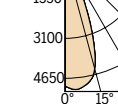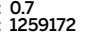
Nominal Watts: 36.4

Cone of Light ▲

Dist.	FC	Dia.
6	138.0	4.4
8	77.4	5.9
10	49.5	7.3
12	34.4	8.8
14	25.3	10.3
16	19.4	11.7

-2500L-SPT

Lumens: 2858
LPW: 79
Beam: ~14°
SC: 0.3
ITL Test: 1259171

Nominal Watts: 36.4

Cone of Light ▲

Dist.	FC	Dia.
6	673.0	1.7
8	378.0	2.2
10	242.0	2.8
12	168.0	3.3
14	124.0	3.9
16	94.6	4.4

-2500L-NFL

Lumens: 2726
LPW: 75
Beam: ~21°
SC: 0.5
ITL Test: 1264615
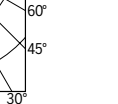
Nominal Watts: 36.4

Cone of Light ▲

Dist.	FC	Dia.
6	200.0	3.1
8	112.0	4.1
10	71.9	5.1
12	49.9	6.1
14	36.7	7.1
16	28.1	8.2

LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.
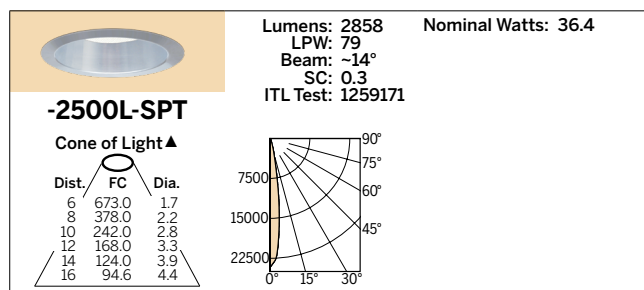
▲ Cone of Light Key
Dia. (in ft.) shown is where FC value is half the FC at nadir.

Dist. Distance (Ft.) from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC
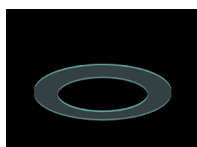
KIRLIN
ARCHITECTURAL LIGHTING

Classic Glow Rings:
Option -33 for Latitudes

To order a Kirlin Glow Ring, begin by adding -33 to the product number. Then, configure your Glow Ring by selecting each of the 7 design elements listed below:

(**Example:** LRR-04400-2500L-120-30K-NFL-**33-GLM-1L-FRR-ROF-SIF-ROS-SIS**)
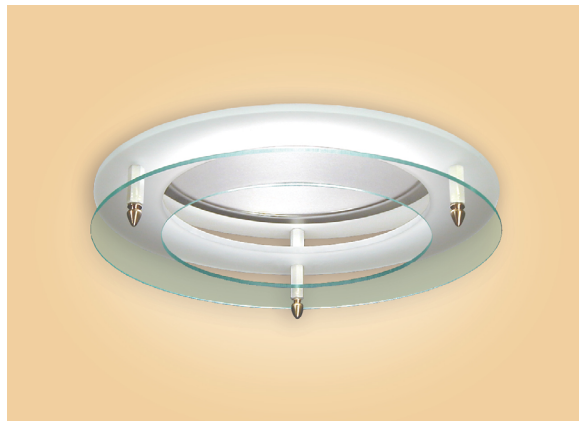
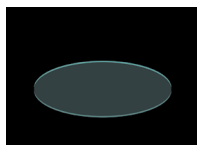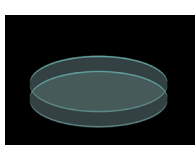### 1. Ring Material (choose one)
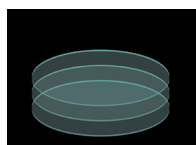
Glass (-GLM)	Acrylic (-ACM)	Custom (-CUM)

2. # of Rings (choose one)

1 Ring (1L)	2 Rings (-2L)	3 Rings (-3L)

3. Ring Design (choose one)

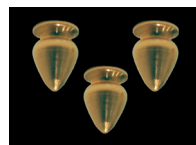| Frosted Ring (-FRR)	Clear Ring (-CRR)	Solid Disk (-SDR)	Frosted Center (-FCR)	Frosted Disk (-FDR)
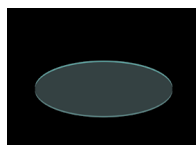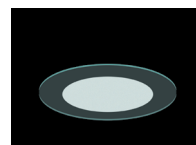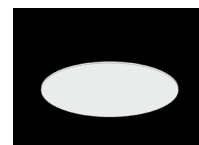
4. Finial Design (choose one)
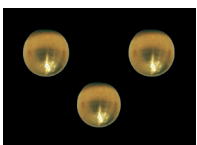
Round (-ROF)	Knurled (-KNF)	Cone (-COF)

5. Finial Color (choose one)

Brass (-BRF)	Silver (-SIF)	Black (-BLF)	White (-WHF)	Custom (-CUF)
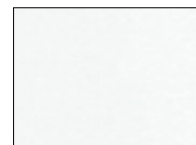
6. Standoff Design (choose one)
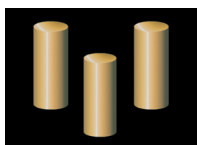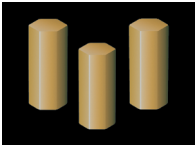
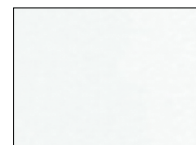| Round (-ROS)	Hexagonal (-HOS)

7. Standoff Color (choose one)

Brass (-BRS)	Silver (-SIS)	Black (-BLS)	White (-WHS)	Custom (-CFS)