

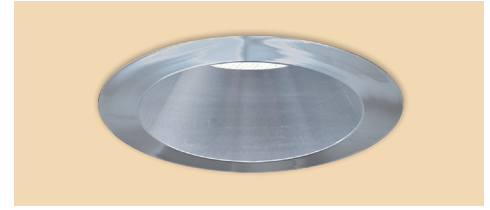
CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

# Latitudes Series

## Open Appearance 4" Downlight • LED

Up to 90,000 Hour Rated Life • Type IC • AirTight Optional  
Wet Listed • LM-79 Certified • LM-80 Qualified

# LRR-04002



## Specifications

### Delivered System Performance

- Nominal Lumens: **Must Specify**

#### Type IC

-2000L

-1500L

-1000L

- Select trim & beam distribution: see chart
- Select color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- 90,000 Hour Rated Life (L70\*\*)

### 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
- 1/2" and 3/4" knockouts

### Installation & Hardware

- Indoor/outdoor in ceilings up to 1 1/8" thick or see Option -79
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

### 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) Compliance

- UL Listed: wet, damp or dry locations, covered ceilings
- Type IC for direct contact with insulation
- Through-branch conductors (4 #12 AWG 90°C) for Type IC Listing

### 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

Quick Ship  
See Option -QS

UL Listed  
Wet, Damp, Dry

## Options and Ordering Configuration

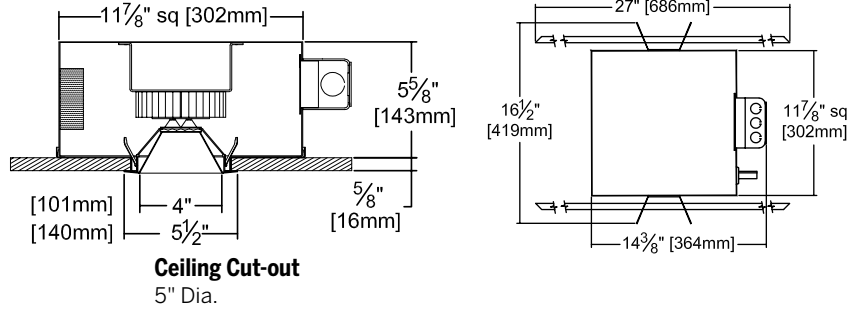
(Example: LRR-04002-1500L-120-MFL-35K-30T-RH-AT)

Must Specify					Optional			
Model	Lumens	Volts	Beam	CCT <sup>†</sup> & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRR-04002								
	-2000L -1500L -1000L	-120 -277 -97 <sup>†</sup> : Other Voltage	(Blank): MFL  -SPT -NFL -MFL -WFL	(Blank): 3500°K, 80+ CRI  <b>80+ CRI*</b> -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4000°K -50K: 5000°K <b>*Note:</b> Lumen Factor = 0.93 for -27K <b>90+ CRI**</b> -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4000°K -50K-HC: 5000°K <b>**Note:</b> Lumen Factor = 0.79 for -27K-HC; All Others = 0.85; consult factory	(Blank): Standard 0-10V CCR 10% dim  -D1 <sup>†</sup> : 0-10V 1.0% dim -D2 <sup>†</sup> : 0-10V 0.1% dim -D3 <sup>†</sup> : DALI 1.0% dim -D4 <sup>†</sup> : DALI 100-0.1% dim -D5 <sup>†</sup> : DMX512A 0.1% dim -D40: -40°C (-40°F) driver; 0-10V 10% dim	(Blank): None  -EI: Remote emergency inverter for 100% rated lumens; Run time: 90+ minutes; N/A for options -FS, -97 -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 cone; microprismatic lens  <b>Trim Finishes</b> -30F: White enamel flange (flange only) -30T: White enamel trim (complete trim) -35F: Silver enamel flange (flange only) -35T: Silver enamel trim (complete trim) -37F: Dark bronze enamel flange (flange only) -37T: Dark bronze enamel trim (complete trim) -38F: Black enamel flange (flange only) -38T: Black enamel trim (complete trim) -70T: Clear semi-specular SofTex™ trim -94: Custom color; consult factory <b>Other Trim Features</b> -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 -DF: Electrically isolated trim -WA: White acrylic (flat) diffuser instead; will produce wide flood distribution	(Blank): None  <b>Mounting</b> -79: Extension collar for ceilings up to 2" thick -RH: Joist mounting hardware instead  <b>Other Options</b> -99: Special modification; consult factory -AT: Air Tight version; Meets ASTM E283 airflow restriction of 2CFM max -AWN: Athena Wireless Node; N/A for Dimming Options D5, -D40 -FS: Fused primary; One per fixture; N/A for option -EI -QS: Quick Ship; Options must be only red items; Quantities of 10-100  <b>*Note:</b> For other integrated control solutions, such as nLight, contact factory
<b>Projected L70** for Kirlin Luminaires</b>								
In Open Plenum		90,000 hours						
In Insulation (Type IC)		70,000 hours						
**Hours at 70% lumen maintenance								
			<sup>†</sup> Consult factory		<sup>†</sup> Consult factory for use with -2000L			

## Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-2000L	1.257	28.6	0.92
-1500L	1.00	20.9	1.00
-1000L	.579	10.3	1.17

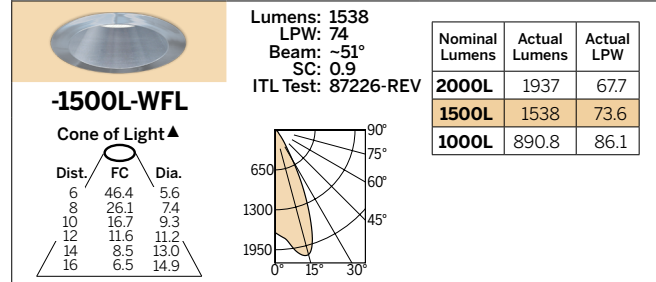
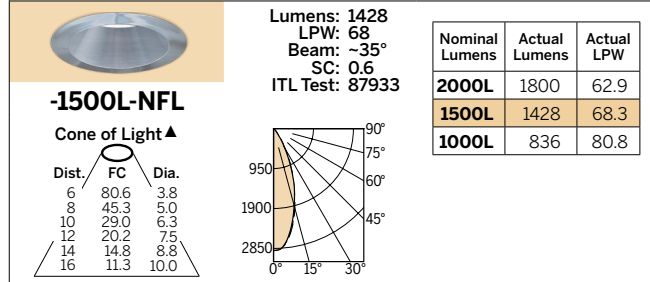
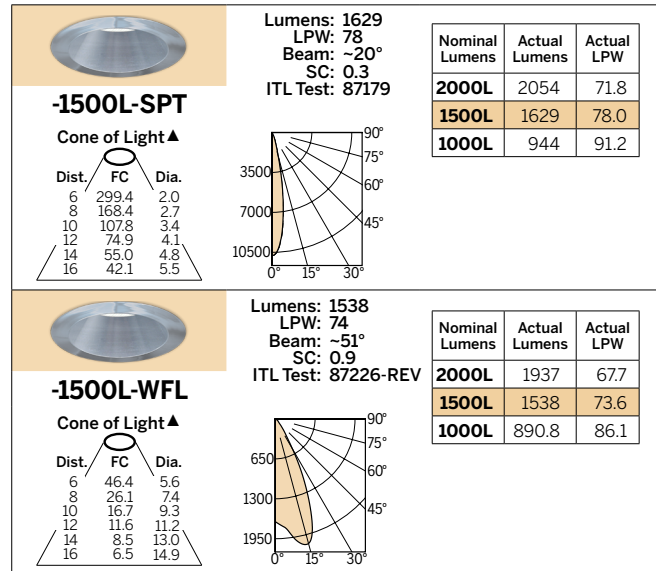
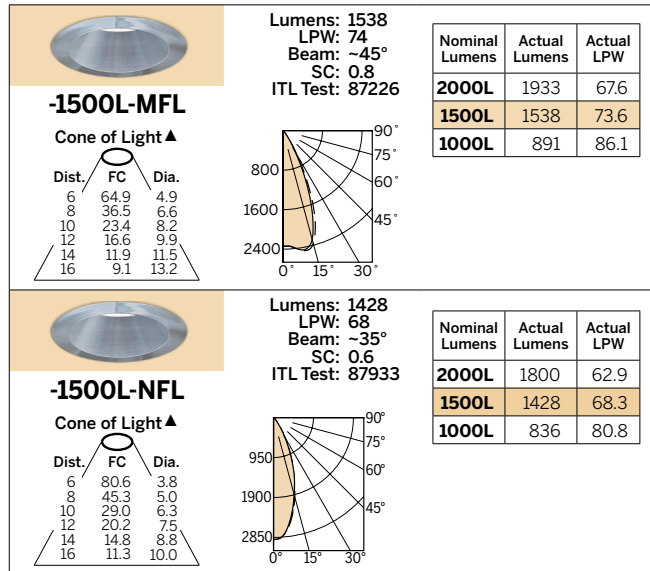
## Dimensions



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

## Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab



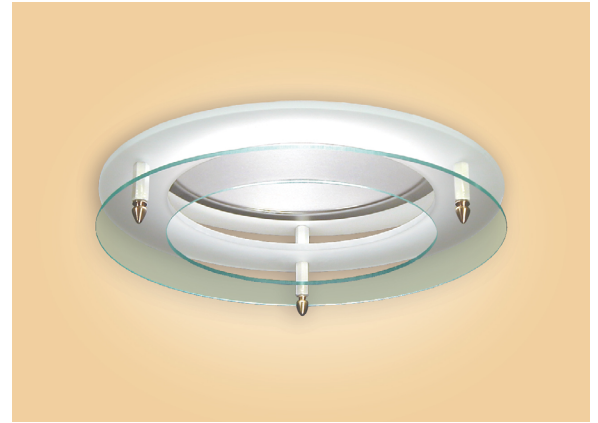
LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

▲ **Cone of Light Key** Dist. Distance (Ft.) from fixture  
Dia. (in ft.) shown is where FC Footcandles at nadir (0°)  
value is half the FC at nadir. Dia. Circle of light at 50% of FC

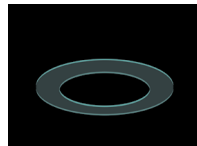
# Classic Glow Rings: Option -33 for Latitudes

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-04002-2000L-120-30K-NFL-33-GLM-1L-FRR-ROF-SIF-ROS-SIS)**



1. Ring Material  
(choose one)



Glass (-GLM)

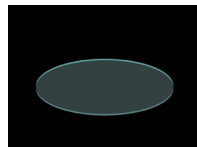


Acrylic (-ACM)

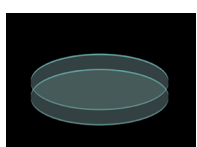


Custom (-CUM)

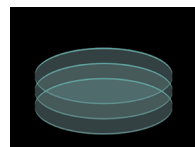
2. # of Rings  
(choose one)



1 Ring (1L)

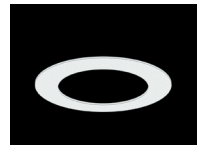


2 Rings (-2L)



3 Rings (-3L)

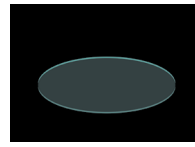
3. Ring Design  
(choose one)



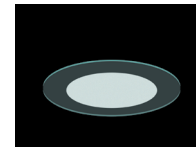
Frosted Ring (-FRR)



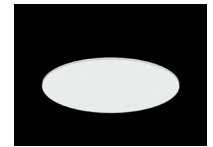
Clear Ring (-CRR)



Solid Disk (-SDR)

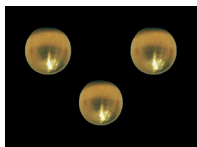


Frosted Center (-FCR)



Frosted Disk (-FDR)

4. Finial Design  
(choose one)



Round (-ROF)



Knurled (-KNF)



Cone (-COF)

5. Finial Color  
(choose one)



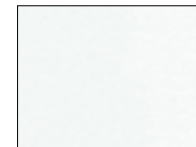
Brass (-BRF)



Silver (-SIF)



Black (-BLF)

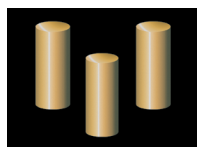


White (-WHF)

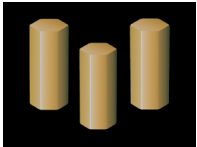


Custom (-CUF)

6. Standoff Design  
(choose one)



Round (-ROS)



Hexagonal (-HOS)

7. Standoff Color  
(choose one)



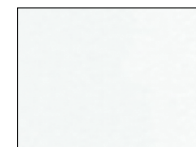
Brass (-BRS)



Silver (-SIS)



Black (-BLS)



White (-WHS)



Custom (-CFS)