

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Latitudes Series

Open Appearance 6" Downlight • LED

Up to 60,000 Hour Rated Life • Wet Listed

LM-79 Certified • LM-80 Qualified

LRR-06405



Specifications

Delivered System Performance

- Nominal Lumens: **Must Specify**

Non-IC

-5000L

-3500L

-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

Options and Ordering Configuration

(Example: LRR-06405-2500L-120-MFL-35K-30T-RH-NAT)

Installation & Hardware

- Indoor/outdoor in ceilings up to 1½" thick
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

UL, C-UL (Canada)

- 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

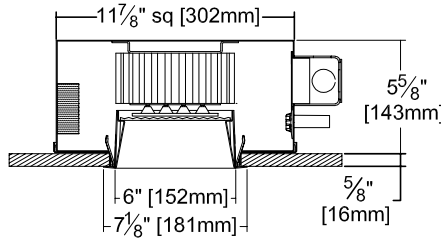


Must Specify					Optional			
Model	Lumens	Volts	Beam	CCT ¹ & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRR-06405	-5000L -3500L -2500L	-120 -277 -97 [†] : Other Voltage	(Blank): MFL -SPT -MFL -WFL	(Blank): 3500K, 80+ CRI 80+ CRI* -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4000°K -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% dimming instead for -3500L or -2500L only -D40: -40°C (-40°F) driver; 0-10V 10% dim -ECO: Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory; -3500L max -ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	(Blank): None -EI: Remote emergency inverter for 50% of rated lumens for -5000L or -3500L. Not available for -2500L. Run time: 90+ minutes. 120 or 277V, 60Hz input only. Specify voltage. Not for use with Option -FS -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 -13: Clear poly lens below lens. Photometric distribution unaffected -23: Frosted microprismatic lens -32: White trim extender, specify OD -33: Decorative Glow Ring; see last page for details -45: Gasket between trim & ceiling -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 -D5, -D40, -ECO -FS: Fused primary; One per fixture; N/A for option -EI -NAT: Modified for natorium 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

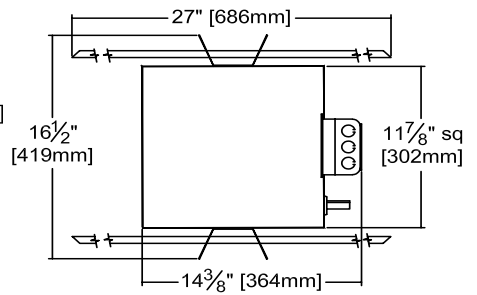
Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-5000L	1.00	57.2	1.00
-3500L	0.80	42.7	1.07
-2500L	0.60	34.9	0.98

Dimensions



Ceiling Cut-out
6 1/2" Dia.



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

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

-5000L-MFL
Cone of Light ▲

Dist.	FC	Dia.
6	292.7	3.5
8	164.6	4.7
10	105.4	5.9
12	73.2	7.1
14	53.8	8.3
16	41.2	9.5

Lumens: 4892
LPW: 86
Beam: ~33°
SC: 0.6
ITL Test: 87783

Nominal Lumens	Actual Lumens	Actual LPW
5000L	4892	85.5
3500L	3933	92.1
2500L	2922	83.7

-5000L-WFL
Cone of Light ▲

Dist.	FC	Dia.
6	175.1	5.2
8	98.5	6.9
10	63.1	8.6
12	43.8	10.3
14	32.2	12.0
16	24.6	13.7

Lumens: 4746
LPW: 82
Beam: ~46°
SC: 0.9
ITL Test: 86308

Nominal Lumens	Actual Lumens	Actual LPW
5000L	4746	82.0
3500L	3816	88.1
2500L	3058	87.4

-5000L-SPT
Cone of Light ▲

Dist.	FC	Dia.
6	939.7	1.7
8	528.6	2.3
10	338.3	2.9
12	234.9	3.4
14	172.6	4.0
16	132.1	4.6

Lumens: 4893
LPW: 84
Beam: ~16°
SC: 0.3
ITL Test: 86309

Nominal Lumens	Actual Lumens	Actual LPW
5000L	4893	84.4
3500L	3934	90.9
2500L	3168	90.5

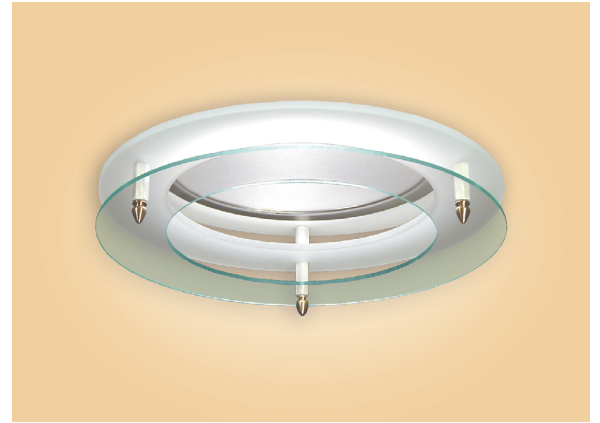
LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

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

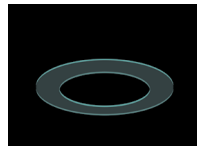
Classic Glow Rings: Option -33 for Latitudes

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:

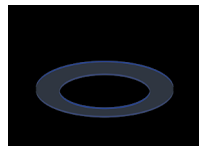
(Example: LRR-06405-5000L-120-30K-WFL-33-GLM-1L-FRR-ROF-SIF-ROS-SIS)



1. Ring Material
(choose one)



Glass (-GLM)

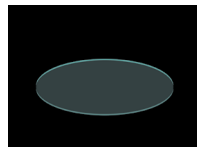


Acrylic (-ACM)

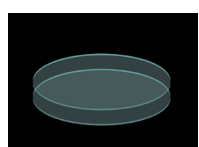


Custom (-CUM)

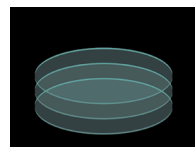
2. # of Rings
(choose one)



1 Ring (1L)

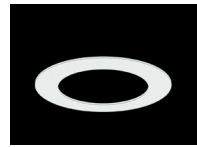


2 Rings (-2L)



3 Rings (-3L)

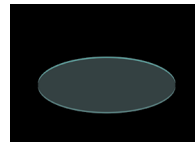
3. Ring Design
(choose one)



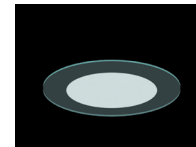
Frosted Ring (-FRR)



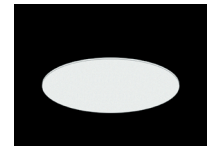
Clear Ring (-CRR)



Solid Disk (-SDR)

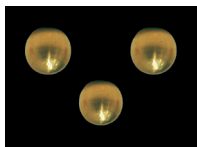


Frosted Center (-FCR)

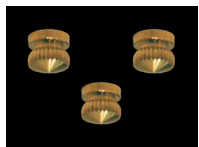


Frosted Disk (-FDR)

4. Finial Design
(choose one)



Round (-ROF)



Knurled (-KNF)



Cone (-COF)

5. Finial Color
(choose one)



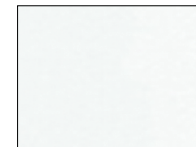
Brass (-BRF)



Silver (-SIF)



Black (-BLF)

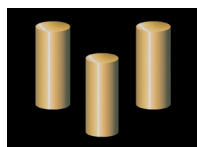


White (-WHF)

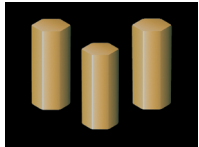


Custom (-CUF)

6. Standoff Design
(choose one)



Round (-ROS)



Hexagonal (-HOS)

7. Standoff Color
(choose one)



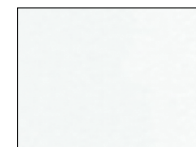
Brass (-BRS)



Silver (-SIS)



Black (-BLS)



White (-WHS)



Custom (-CFS)