

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

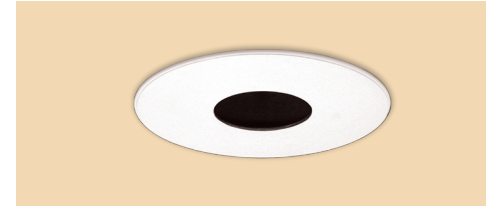
Latitudes Series

Pinhole Open Appearance 2" Adjustable • LED

Up to 90,000 Hour Rated Life • Type IC • AirTight Optional

Wet Listed • LM-79 Certified • LM-80 Qualified

LRR-02027



Specifications

Delivered System Performance

- Nominal Lumens: **Must Specify**

Type IC

-2000L

-1500L

-1000L

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

Center Beam Optics

- Self-aligns with trim for optimal performance
- Hot aiming by hand
- Tilts from 0° to 45° and locks in place
- Rotates full 360° and locks in place
- Accommodates sloped ceilings up to 45°

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

Pinhole Trim

- White die cast flat aluminum (field paintable)
- Low brightness black inner bevel and angle cut cone with clear tempered glass lens above

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 1½" thick
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

UL, C-UL (Canada) Compliance

- 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



Options and Ordering Configuration

(Example: LRR-02027-1500L-120-NFL-35K-38T-RH-AT)

Must Specify				Optional			
Model	Lumens	Volts	CCT [†] & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRR-02027							
	-2000L	-120	(Blank): 3500°K, 80+ CRI	(Blank): Standard 0-10V CCR 10% dim	(Blank): None	(Blank): White die cast flat aluminum with black inner bevel	(Blank): None
	-1500L	-277					
	-1000L	-97 [†] : Other Voltage					
			80+ CRI*	-D1 [†] : 0-10V 1.0% dim	-EI: Remote emergency inverter for 100% rated lumens; Run time: 90+ minutes; N/A for options -FS, -97	Trim Finishes	Mounting
			-27K: 2700°K	-D2 [†] : 0-10V 0.1% dim		-35T: Silver enamel trim	-RH: Joist mounting hardware instead
			-30K: 3000°K	-D3 [†] : DALI 1.0% dim		-37T: Dark bronze enamel trim	Other Options
			-35K: 3500°K	-D4 [†] : DALI 100-0.1% dim	-EM: Internal emergency battery pack; Delivers 500 lumens; Run time: 90+ minutes	-38T: Black enamel trim	-99: Special modification; consult factory
			-41K: 4000°K	-D5 [†] : DMX512A 0.1% dim		-94: Custom color; consult factory	-AT: Air Tight version; Meets ASTM E283 airflow restriction of 2CFM max
			-50K: 5000°K	-D40: -40°C (-40°F) driver; 0-10V 10% dim	-ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	-BN: Brushed satin nickel finish	-AWN: Athena Wireless Node; N/A for Dimming Options D5, -D40
			*Note: Lumen Factor = 0.93 for -27K			Other Trim Features	-FS: Fused primary; One per fixture; N/A for option -EI
Projected L70** for Kirlin Luminaires							*Note: For other integrated control solutions, such as nLight, contact factory
In Open Plenum		90,000 hours					
In Insulation (Type IC)		70,000 hours					
**Hours at 70% lumen maintenance							
		†Consult factory		†Consult factory for use with -2000L			

Dimensions

Technical drawing of a wall-mounted unit showing dimensions in inches and millimeters:

- Top width: $11\frac{7}{8}$ " sq [302mm]
- Right height: $5\frac{5}{8}$ " [143mm]
- Bottom left height: [51mm] [133mm]
- Bottom center width: 2" $5\frac{1}{4}$ "
- Bottom right height: $5\frac{5}{8}$ " [16mm]

Photometry - Installed Complete Fixture

-1500L-NFL

Lumens: 1102
 LPW: 53
 Beam: ~19°
 SC: 0.4
 ITL Test: 87219

The beam spread diagram shows a light distribution pattern with a central beam angle of approximately 19°. The vertical axis represents lumens (2500, 5000, 7500) and the horizontal axis represents beam angle (0°, 15°, 30°). The diagram includes a dashed line for the beam spread and a solid line for the light distribution.

Nominal Lumens	Actual Lumens	Actual LPW
2000L	1385	48.3
1500L	1102	52.5
1000L	638	61.4

▲ **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

LIMITED WARRANTY CATALOSED KRL IN LINE ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at his option will replace or repair such failure or defect without charge if the purchaser once presentation of proof of purchase and defective nature at the office of manufacturer with five years of original shipment. Liability of manufacturer is limited to the foregoing and manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty shall apply to the buyer in place of all other warranties, expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use; nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation or repair, or modification of the fixture without prior approval of the manufacturer will void the warranty and render the manufacturer's liability null and void. The manufacturer will not provide the standard of workmanship or materials used in the manufacture of the fixture.