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|-----------|---------|---------|
| CATALOG # | TYPE | |
| JOB NAME | WATTAGE | VOLTAGE |

Latitudes Series

Lensed 4" Downlight • White Trim • LED

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

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

- Tapered aluminum all white smooth self-flanged trim (field paintable)
- Regressed tempered prismatic spread lens

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

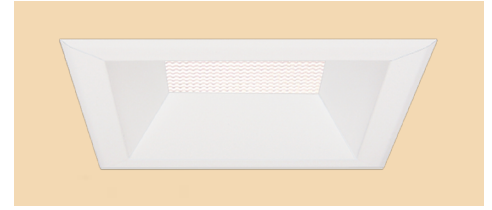
Outlet Box (Galvanized)

- UL Listed, 14GA, insulated, removable cover
- ½" and ¾" knockouts

Installation & Hardware

- Indoor/outdoor in ceilings up to 1¼" thick or see Option -79

LRS-04045



- 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



Made in the USA
BABAA Compliant



FCC Part 15
Certified



UL Listed
Wet, Damp, Dry

Options and Ordering Configuration

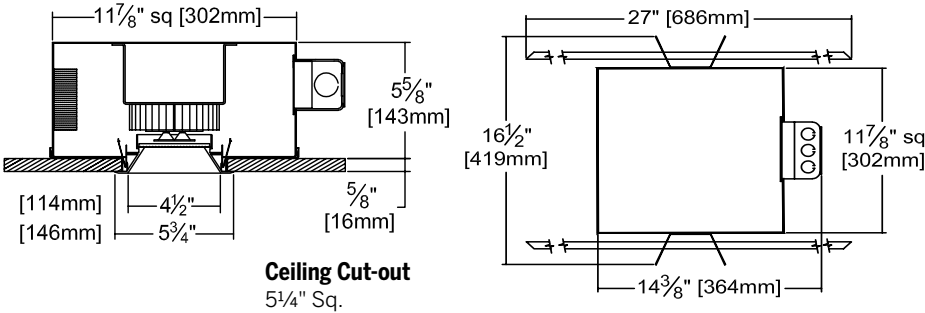
(Example: LRS-04045-1500L-120-NFL-30K-35T-79)

| Must Specify | | | | | Optional | | | |
|---------------------------------------|----------------------------|--|----------------------------------|--|---|---|--|--|
| Model | Lumens | Volts | Beam | CCT [†] & CRI | Driver Options | Emergency Options | Trim Options | Other Options |
| LRS-04045 | | | | | | | | |
| | -2000L -1500L -1000L | -120 -277 -97 [†] : Other Voltage | (Blank): MFL -NFL -MFL | (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 | (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 0.1% 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 aluminum all white smooth self-flanged trim; regressed tempered prismatic spread lens Trim Finishes -35T: Silver enamel trim -37T: Dark bronze enamel trim -38T: Black enamel trim -94: Custom color; consult factory Other Trim Features -13: Clear poly lens below lens; Photometric distribution is unaffected -23: Frosted microprismatic lens -32: White trim extender, specify OD -45: Gasket between trim & ceiling -46: Gasket between trim & lens -CF: Custom color filter (Rosco); Specify -DF: Electrically isolated "dead front" gasketed trim -WA: White acrylic lens; will produce wide flood distribution | (Blank): None Mounting -79: Extension collar for ceilings up to 2" thick -RH: Joist mounting hardware instead Other Options -99: Special modification; consult factory -AT: Air Tight version; Meets ASTM E283 airflow restriction of 2CFM max. Option -RH required -AWN: Athena Wireless Node; N/A for Dimming Options D5, -D40 -FS: Fused primary; One per fixture; N/A for option -EI *Note: For other integrated control solutions, such as nLight, contact factory |
| Projected L70** for Kirlin Luminaires | | | | | | | | |
| 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 | | | |

Performance Factors

| NOMINAL LUMENS | LUMEN FACTOR | NOMINAL WATTS | LPW FACTOR |
|----------------|--------------|---------------|------------|
| -2000L | 1.257 | 29.0 | 0.92 |
| -1500L | 1.00 | 21.2 | 1.00 |
| -1000L | 0.579 | 10.5 | 1.17 |

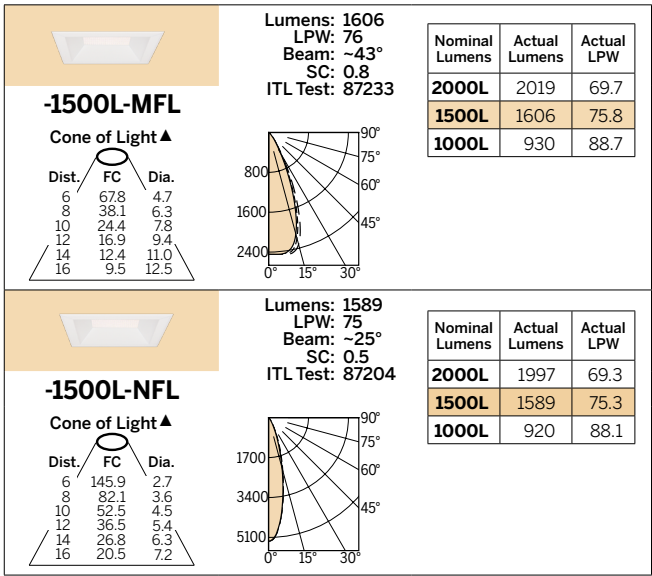
Dimensions



* 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.

LIMITED WARRANTY: KIRLIN ARCHITECTURAL LIGHTING FIXTURES 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 fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within 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 is supplied 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 written authorization from the manufacturer will render the warranty void.

LATITUDES
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