

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Latitudes Series

Vandal Resistant 8" Downlight • LED

Up to 60,000 Hour Rated Life • Wet Listed

LM-79 Certified • LM-80 Qualified

LRV-08470



Specifications

Delivered System Performance

- Lumen Series: **Must Specify**

Non-IC

-6500L

-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

Trim and Lens Assembly

- Vandal resistant smooth white seamless tapered aluminum self-flanged flare trim (field paintable)
- Flush center pin tamperproof hex screws and captive nuts secure trim to housing
- High strength prismatic acrylic above 1/8" clear flat polycarbonate
- Continuous ring secures lens to trim
- Tamperproof tool included

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

UL, C-UL (Canada) Listings

- 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



Options and Ordering Configuration

(Example: LRV-08470-3500L-120-MFL-35K-23-RH-NAT)

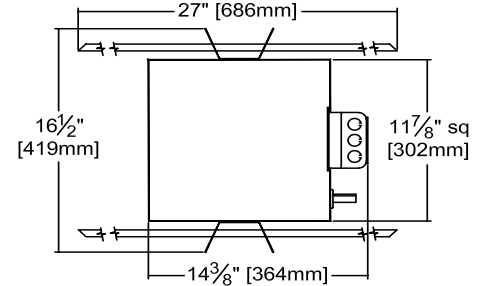
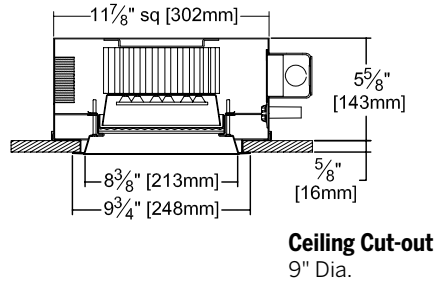
Must Specify					Optional			
Model	Lumens	Volts	Beam	CCT [†] & CRI	Driver Options	Emergency Options	Trim Options	Other Options
LRV-08470								
	-6500L -5000L -3500L -2500L	-120 -277 -97 [†] : Other Voltage	(Blank): MFL -NFL -MFL -WFL	(Blank): 3500K, 80+ CRI 80+ CRI* -27K: 2700°K -30K: 3000°K -35K: 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. Consult factory for -6500L lumen series -D40: -40°C (-40°F) driver; 0-10V 10% dimming instead for -3500L and -2500L -ECO: Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory; -3500L max	(Blank): None -EI: Remote emergency inverter for 40% of rated lumens for -6500L, 50% for -5000L, and -3500L. Not available for -2500L. Run time: 90+ minutes. 120 or 277V, 60 Hz input only. Specify voltage. Not for use with option -FS -EM: Internal emergency battery pack; Delivers 500 lumens; Run time: 90+ minutes. Not available for -6500L -ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	(Blank): Standard clear specular cone; microprismatic lens Trim Finishes -35T: Silver enamel (complete trim) -37T: Dark bronze enamel (complete trim) -38T: Black enamel (complete trim) -94: Custom color; consult factory Other Trim Features -23: Frosted microprismatic lens -45: Gasket between trim flange and ceiling -46: Gasket between trim and lens -CF: Custom color filter (Rosco); Specify -WA: White acrylic (flat) diffuser instead; will produce wide flood distribution	(Blank): None Mounting -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 natatorium use -SH: Sealed housing and junction box. CCEA Chicago Plenum Approved

[†]Consult factory

Performance Factors

NOMINAL LUMENS	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-6500L	1.00	72.6	1.00
-5000L	0.93	59.8	1.13
-3500L	0.75	44.7	1.21
-2500L	0.53	37.0	1.03

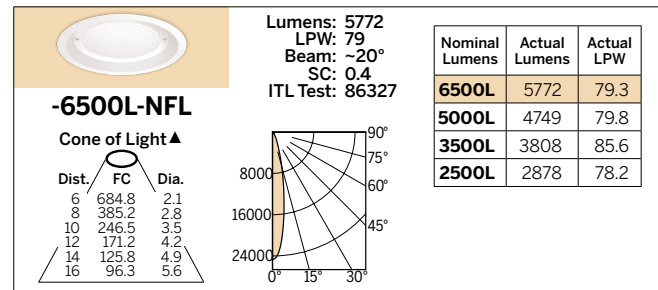
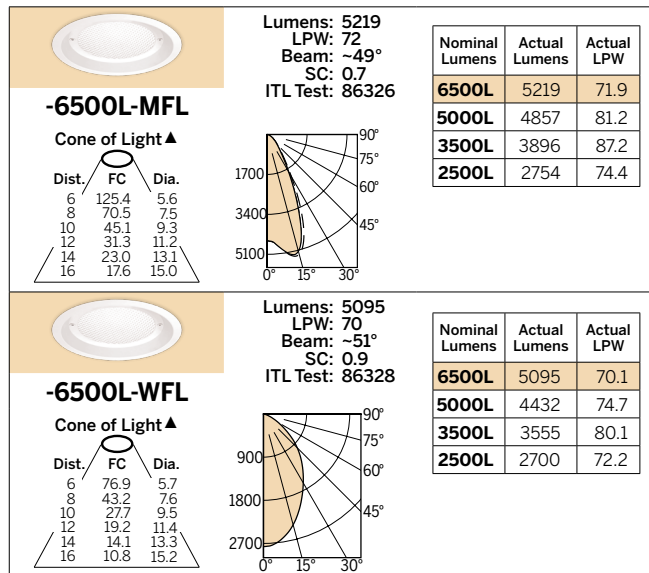
Dimensions



* 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**
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