CATALOG #		TYPE	
JOB NAME		WATTAGE	VOLTAGE

Latitudes Series

LRV-07465

Vandal Sealed & Gasketed 7" Downlight • LED
Up to 60,000 Hour Rated Life • Wet Listed
LM-79 Certified • LM-80 Qualified

Specifications

Delivered System Performance
- Lumen Series: **Must Specify**
    Non-IC
    -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 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

IP65 Sealed and Gasketed
- Liquid silicone seal between trim and lens
- Closed cell housing flange gasketing seals trim to housing
- Closed cell trim flange gasketing seals flange to ceiling
- Closed cell gasketing on bottom pan seals housing to ceiling
- O-rings seal stainless steel fasteners to trim

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 1⅛" thick
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied
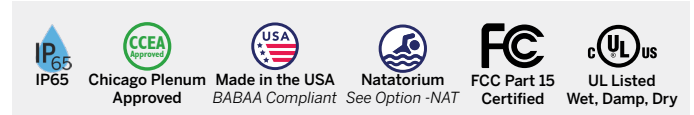
UL, C-UL (Canada) Listings
- UL Listed: wet, damp or dry locations, covered ceilings
- Through-branch conductors (4 #12 AWG 90°C)

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
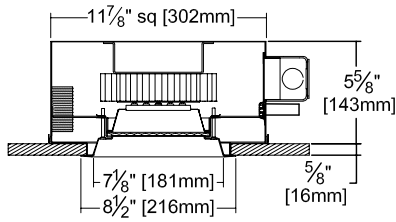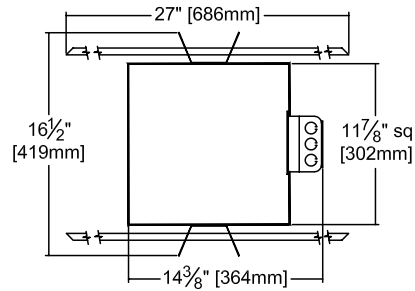- Complete standard fixture

Options and Ordering Configuration

(Example: LRV-07465-2500L-120-MFL-30K-37T-RH-NAT)

IP65 IP65 | **CCEA Approved** Chicago Plenum Approved | **USA** Made in the USA *BABAA Compliant* | Natatorium *See Option -NAT* | **FCC** FCC Part 15 Certified | **c(UL)us** UL Listed Wet, Damp, Dry

Must Specify					Optional			
Model	**Lumens**	**Volts**	**Beam**	**CCT† & CRI**	**Driver Options**	**Emergency Options**	**Trim Options**	**Other Options**
LRV-07465								
	-2500L	-120	(Blank): MFL	(Blank): 3500K, 80+ CRI	(Blank): Standard 0-10V CCR 10% dim	(Blank): None	(Blank): Vandal resistant smooth white seamless tapered aluminum self-flanged trim	(Blank): None
		-277	-NFL	**80+ CRI***	-D1: 0-10V 1.0% dim	-EM: Internal emergency battery pack; Delivers 500 lumens; Run time: 90+ minutes		**Mounting**
		-97†: Other Voltage	-MFL	-27K: 2700°K	-D2: 0-10V 0.1% dim		**Trim Finishes**	-RH: Joist mounting hardware instead
				-30K: 3000°K	-D3: DALI 1.0% dim		-35T: Silver enamel (complete trim)	**Other Options**
				-35K: 3500°K	-D4: DALI 100-0.1% dim	-ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	-37T: Dark bronze enamel (complete trim)	-99: Special modification; consult factory
				-41K: 4000°K	-D5: DMX512A 0% dimming instead.		-38T: Black enamel (complete trim)	-AWN: Athena Wireless Node; N/A for Dimming Options -D5, -D40, -ECO
				-50K: 5000°K			-94: Custom color; consult factory	
				*Note: Lumen Factor = 0.93 for -27K	-D40: -40°C (-40°F) driver; 0-10V 10% dim		**Other Trim Features**	-FS: Fused primary; One per fixture
				90+ CRI**			-23: Frosted microprismatic lens	-NAT: Modified for natatorium use
				-27K-HC: 2700°K	-ECO: Digital driver for Lutron EcoSystem controls. Dims to 1% or consult factory		-CF: Custom color filter (Rosco); Specify	-SH: Sealed housing and junction box
				-30K-HC: 3000°K			-WA: White acrylic (flat) diffuser instead; will produce wide flood distribution	*Note: For other integrated control solutions, such as nLight, contact factory
				-35K-HC: 3500°K				
				-41K-HC: 4000°K				
				-50K-HC: 5000°K				
		†Consult factory		**Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85; Consult factory				

Kirlin Lighting | 3401 E. Jefferson Ave., Detroit, MI 48207-4232, USA | P: 313.259.6400 | www.kirlinlighting.com

KIRLIN
ARCHITECTURAL LIGHTING

Dimensions

11⅞" sq [302mm]

5⅝" [143mm]

7⅛" [181mm]
8½" [216mm]

⅝" [16mm]

Ceiling Cut-out
8 ¼" Dia.

27" [686mm]

16½" [419mm]

11⅞" sq [302mm]

14⅜" [364mm]

Photometry - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

-2500L-MFL

Lumens: 2754   Nominal Watts: 37.0
LPW: 75
Beam: ~46°
SC: 0.9
UL Test: 1259193

Cone of Light ▲

Dist.	FC	Dia.
6	84.1	5.1
8	47.3	6.8
10	30.3	8.5
12	21.0	10.2
14	15.4	11.9
16	11.8	13.6

1050
2100
3150

90°
75°
60°
45°
0° 15° 30°

-2500L-NFL

Lumens: 2878   Nominal Watts: 36.8
LPW: 78
Beam: ~31°
SC: 0.6
UL Test: 1264620

Cone of Light ▲

Dist.	FC	Dia.
6	162.0	3.3
8	91.3	4.4
10	58.4	5.5
12	40.6	6.6
14	29.7	7.8
16	22.8	8.9

1800
3600
5400

90°
75°
60°
45°
0° 15° 30°
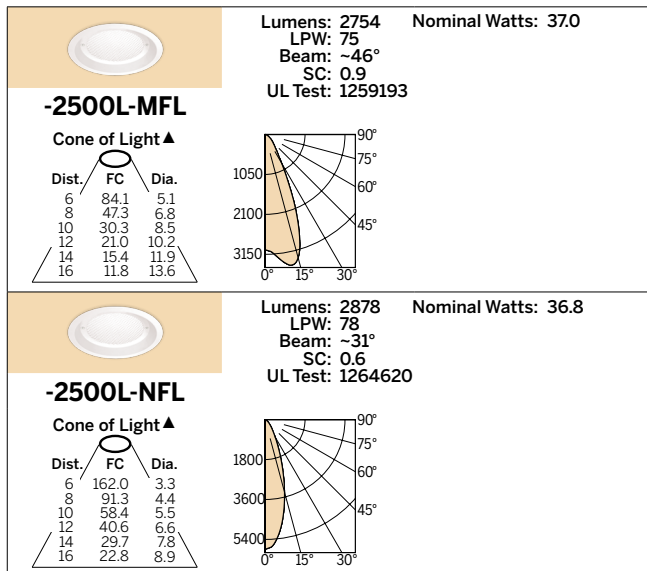
* See notes on page 1 for additional info on Lumen Factors

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

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