

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Latitudes Series

Static Color 8" Downlight • LED

Up to 60,000 Hour Rated Life • Wet Location

LM-79 Certified • LM-80 Qualified

LRR-08471



OPTION	LED COLOR	TYPICAL APPLICATION
-465	Blue (465nm)	Backstage Theater
-590	Yellow/Amber (590nm)	Turtle Friendly
-660	Red (660nm)	Darkroom

NSF Certified See Option -NS	IP65 See Option -I65	Vandal Resistant See Option -25	BioGard™	Made in the USA BABAA Compliant	FCC Part 15 Certified	UL Listed Wet, Damp, Dry
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Specifications

Delivered System Performance

- LED Color Suffix: **Must Specify**
- 465: Blue (465nm), 358 typical lumens**
- 590: Yellow/Amber (590nm), 906 typical lumens**
- 660: Red (660nm), 9.53 watts of radiant power**
- Distribution: WFL
- 60,000 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

- Rustproof 100% aluminum grooveless, smooth, self-flanged white trim (field paintable)
- Regressed tempered prismatic spread lens with high efficiency reflector 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
- For concrete housing, see Option -78

UL, C-UL (Canada) Listings

- 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-08471-590-277-WFL-EI-35T-25)

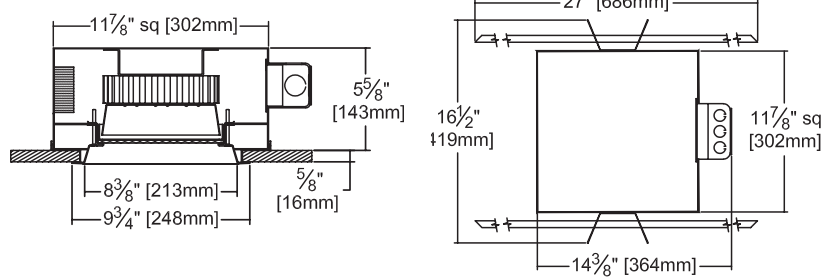
Must Specify			Optional			
Model	LED Color Suffix	Volts	Driver Options	Emergency Options	Trim Options	Other Options
LRR-08471	-465: blue 465 nm -590: yellow/amber 590nm -660: red 660 nm	(Blank): 120-277 -120 -277 -97†: Other Voltage	(Blank): Standard 0-10V CCR 10% dim -D1: 0-10V 1.0% dim -D2: 0-10V 0.1% dim -D3: DALI 1.0% dim -D4: DALI 100-0.1% dim -D5: DMX512A 0.1% dim	(Blank): None -EI: Remote emergency inverter for 100% rated lumens; N/A for -465 (blue 465nm); Run time: 90+ minutes; N/A for 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): White self-flanged downlight trim Trim Finishes -35T: Silver enamel trim -94: Custom color; consult factory -BG: Anti-microbial Kirlin BioGard™ white (only) trim finish Other Trim Features -23: Frosted microprismatic lens instead -25: Vandal resistant trim, hardware and lensing. Not available with Option -NS -I65: IP65 Rated trim instead -NS: NSF approved fixture. Not available with Option -25 -WA: White acrylic (flat) diffuser instead	(Blank): None -79: Extension collar for ceilings up to 2" thick -99: Special modification; consult factory -FS: Fused primary; One per fixture; N/A for option -EI

†Consult factory

Performance Factors

LED COLOR	LUMEN FACTOR	NOMINAL WATTS	LPW FACTOR
-465	0.395	25.0	0.316
-590	1.00	20.9	1.00
-660	N/A	19.0	N/A

Dimensions

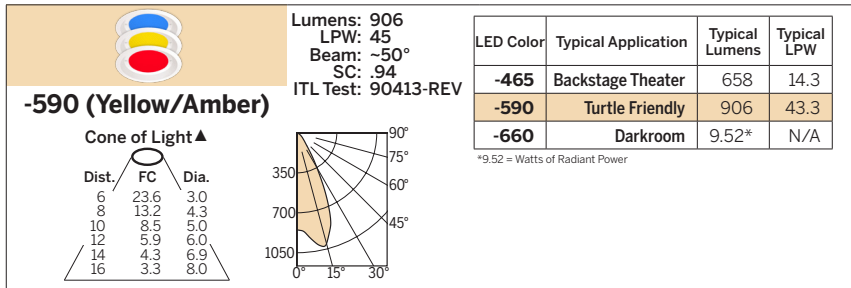


Ceiling Cut-out
9" Dia.

* 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