

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

## Latitudes Series

### Static Color 8" Downlight • LED

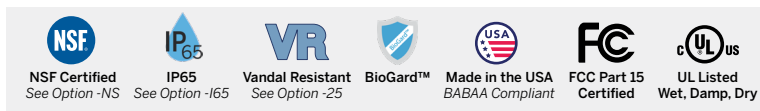
Up to 60,000 Hour Rated Life • Wet Location

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



## 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)

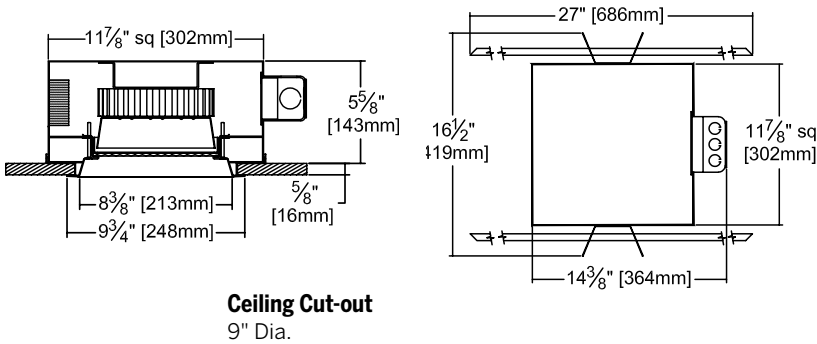
Must Specify			Optional			
Model	LED Color Suffix	Volts	Driver Options	Emergency Options	Trim Options	Other Options
LRR-08471						
	-465: blue 465 nm -590: yellow/amber 590nm -660: red 660 nm	<b>(Blank):</b> 120-277  <b>-120</b>  <b>-277</b>  <b>-97†:</b> Other Voltage	<b>(Blank):</b> Standard 0-10V CCR 10% dim  <b>-D1:</b> 0-10V 1.0% dim <b>-D2:</b> 0-10V 0.1% dim <b>-D3:</b> DALI 1.0% dim <b>-D4:</b> DALI 100-0.1% dim <b>-D5:</b> DMX512A 0.1% dim	<b>(Blank):</b> None  <b>-EI:</b> Remote emergency inverter for 100% rated lumens; N/A for -465 (blue 465nm); Run time: 90+ minutes; N/A for option -FS <b>-EM:</b> Internal emergency battery pack; Delivers 500 lumens; Run time: 90+ minutes <b>-ERH:</b> Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	<b>(Blank):</b> White self-flanged downlight trim  <b>Trim Finishes</b> <b>-35T:</b> Silver enamel trim <b>-BG:</b> Anti-microbial Kirlin BioGard™ white (only) trim finish <b>-KBG:</b> BioGard™ anti-microbial black <b>-94:</b> Custom color; consult factory <b>-94BG:</b> BioGard™ anti-microbial custom color finish <b>Other Trim Features</b> <b>-23:</b> Frosted microprismatic lens instead <b>-25:</b> Vandal resistant trim, hardware and lensing. Not available with Option -NS <b>-I65:</b> IP65 Rated trim instead <b>-NS:</b> NSF approved fixture. Not available with Option -25 <b>-WA:</b> White acrylic (flat) diffuser instead	<b>(Blank):</b> None  <b>-79:</b> Extension collar for ceilings up to 2" thick <b>-99:</b> Special modification; consult factory <b>-FS:</b> 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

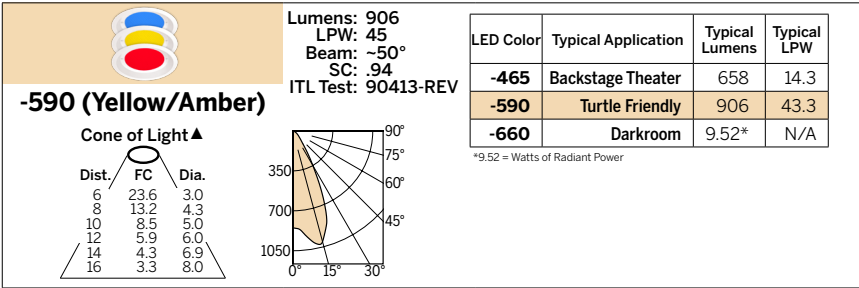
Dimensions



\* 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

LIMITED WARRANTY: KIRLIN 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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