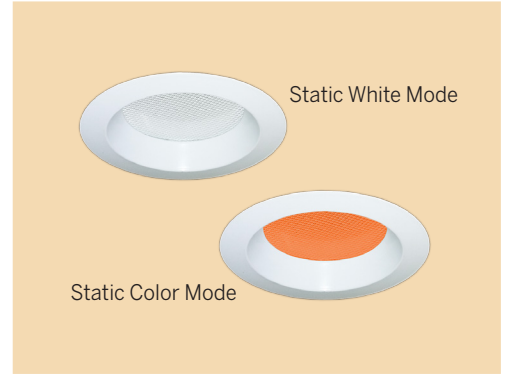


CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

# Latitudes Series

*Ambient+ Lensed 4" Downlight • White Flare • Two Color Switchable or Static Color LED*  
 Six Static Colors Available • Up to 60,000 Hour Life  
 Wet Listed • LM-79 Certified • LM-80 Qualified

# LRR-04404



## Specifications

### Delivered System Performance

- Nominal Lumens in static white mode, see page 3 for static color output: **Must Specify Type IC -1000L**
- Select trim: see chart
- Beam distribution: WFL
- Select static white color (CCT): see chart: 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- Select static color: see chart
- 60,000 hour 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 1.0% dimming standard
- 120-277V / 50-60 Hz standard; load insensitive

### Trim Assembly

- Seamless tapered aluminum self-flanged trim with white finish (field paintable)
- Regressed microprismatic 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
- 1/2" and 3/4" knockouts

### Installation & Hardware

- Indoor/outdoor in ceilings up to 1 1/8" thick or see Option -79
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

### UL, C-UL (Canada)

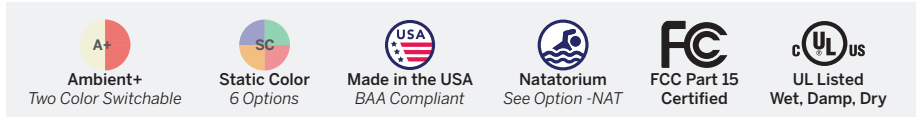
- UL Listed: wet, damp or dry locations, covered ceilings
- Through-branch conductors (4 #12 AWG 90°C)

### IEC & FCC Compliance

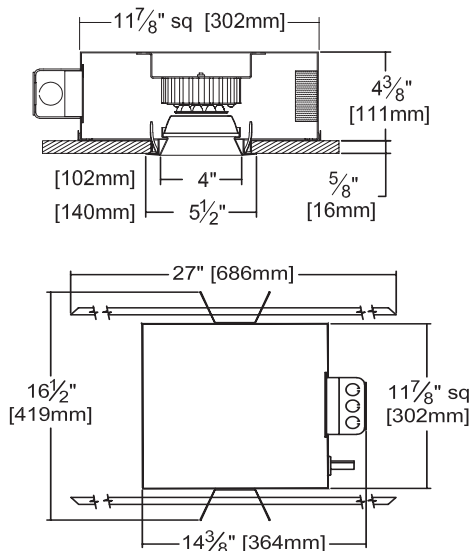
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

### FIVE YEAR Limited Warranty

- Complete standard fixture



## Dimensions



## Static Color Options

OPTION	LED COLOR	TYPICAL APPLICATION
-465	Blue (465nm)	Backstage Theater, Public Safety
-521	Green (521nm)	Operating Rooms
-590	Yellow / Amber (590nm)	Turtle Friendly, Sleep-Supporting Circadian
-617	Amber (617nm)	Vivarium, Sleep-Supporting Circadian
-634	Red / Amber (634nm)	Sleep-Supporting Circadian
-660	Red (660nm)	Darkroom, Laboratories

## Ambient+ Two Color Options and Ordering Configuration

(Example: LRR-04404-1000L-UNV-35K-590-D2-79)

Must Specify				Optional				
Model	Lumens	Volts	White CCT	Static Color	Driver Options	Trim Options	Emergency Options	Other Options
LRR-04404	-1000L	-UNV -97 <sup>†</sup> : Other Voltage	<b>80+ CRI*</b> -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4100°K -50K: 5000°K *Note: Lumen Factor = 0.93 for -27K <b>90+ CRI**</b> -27K-HC: 2700°K -30K-HC: 3000°K -35K-HC: 3500°K -41K-HC: 4100°K -50K-HC: 5000°K **Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85; Consult Factory	-465: 465nm Blue; Theater and Public Safety -521: 521nm Green; Operating Rooms -590: 590nm Yellow/Amber; Turtle-friendly -617: 617nm Amber; Vivarium -634: 634nm Red/Amber; Circadian -660: 660nm Red; Darkrooms, Labs	(Blank): 0-10V 1.0% dim; 2 outputs - Static White and Static Color -D2: 0-10V 0.1% dim; 2 outputs - Static White and Static Color	(Blank): Seamless tapered aluminum self-flanged trim with white finish; microprismatic spread lens <b>Trim Finishes</b> -35T: Silver enamel (complete trim) -37T: Dark bronze enamel (complete trim) -38T: Black enamel (complete trim) -94: Custom color; consult factory <b>Other Trim Features</b> -13: Clear poly lens below lens. Photometric distribution unaffected -23: Frosted microprismatic lens -32: White trim extender, specify OD -45: Gasket between trim & ceiling -WA: White acrylic lens	(Blank): None -EI: Remote emergency inverter for 100% rated lumens; Run time: 90+ minutes; N/A for options -FS, -97	(Blank): None <b>Mounting</b> -79: Extension collar for ceilings up to 2" thick -RH: Joist mounting hardware instead <b>Other Options</b> -99: Special modification; consult factory -FS: Fused primary; One per fixture; N/A for option -EI -TA: Top access for servicing from above ceiling

<sup>†</sup>Consult factory

## Static Color Options and Ordering Configuration

(Example: LRR-04404-1000L-UNV-521-35T)

Must Specify				Optional				
Model	Lumens	Volts	Static Color	Driver Options	Trim Options	Emergency Options	Other Options	
LRR-04404	-1000L	-UNV -97 <sup>†</sup> : Other Voltage	-465: 465nm Blue; Theater and Public Safety -521: 521nm Green; Operating Rooms -590: 590nm Yellow/Amber; Turtle-friendly -617: 617nm Amber; Vivarium -634: 634nm Red/Amber; Circadian -660: 660nm Red; Darkrooms, Labs	(Blank): 0-10V 1.0% dim -D2: 0-10V 0.1% dim; Static color	(Blank): Seamless tapered aluminum self-flanged trim with white finish; microprismatic spread lens <b>Trim Finishes</b> -35T: Silver enamel (complete trim) -37T: Dark bronze enamel (complete trim) -38T: Black enamel (complete trim) -94: Custom color; consult factory <b>Other Trim Features</b> -13: Clear poly lens below lens. Photometric distribution unaffected -23: Frosted microprismatic lens -32: White trim extender, specify OD -45: Gasket between trim & ceiling -WA: White acrylic lens	(Blank): None -EI: Remote emergency inverter for 100% rated lumens; Run time: 90+ minutes; N/A for options -FS, -97 -ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes	(Blank): None <b>Mounting</b> -79: Extension collar for ceilings up to 2" thick -RH: Joist mounting hardware instead <b>Other Options</b> -99: Special modification; consult factory -FS: Fused primary; One per fixture; N/A for option -EI -TA: Top access for servicing from above ceiling	

<sup>†</sup>Consult factory

LIMITED WARRANTY: CATALOGED KIRLIN 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 the 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 the warranty period. This warranty is void if the fixture is not installed in accordance with the manufacturer's instructions. The manufacturer shall not be liable for any other damages, direct or indirect, sustained or suffered by purchaser or any person. This warranty is written authorization from the manufacturer will render the warranty void.

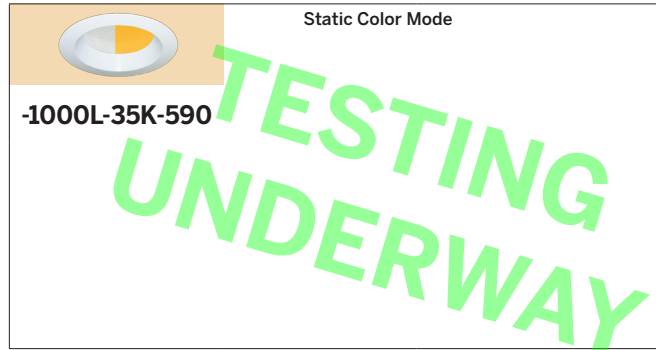
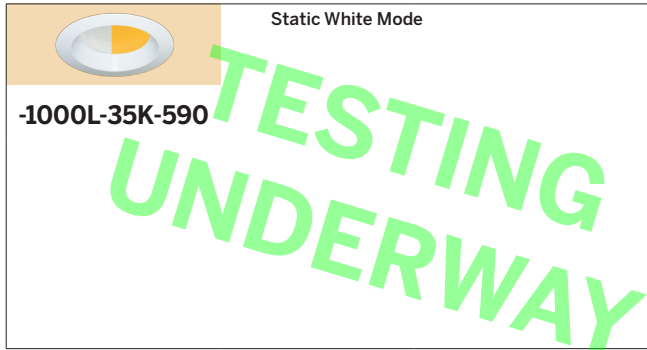
LATTITUDES  
APRIL 2024

## Photometry - Ambient+ Two Color Switchable - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

### Ambient+ Two Color

CCT-STATIC COLOR	COLOR LUMENS	COLOR LUMEN FACTOR	MAXIMUM WATTAGE†
-CCT-465		2.31	21.3
-CCT-521		3.73	20.5
-CCT-590		1.00	17.0
-CCT-617		1.83	17.5
-CCT-634		1.66	16.6
-CCT-660		0.78	16.8



† Maximum wattage is in static color mode. For static white wattage, please see photometry below.

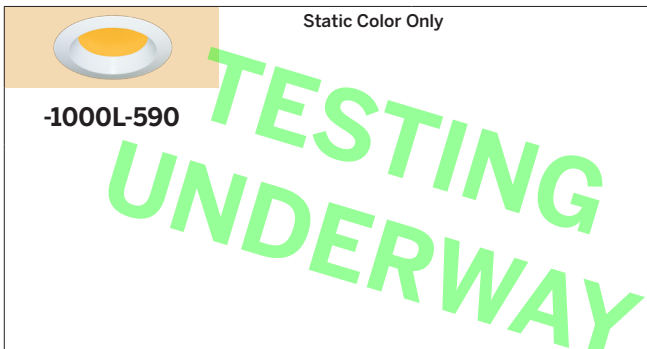
\* See notes on page 1 for additional info on Lumen Factors

## Photometry - Static Color - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

### Static Color

STATIC COLOR	COLOR LUMENS	COLOR LUMEN FACTOR	NOMINAL WATTS	LPW
-465		2.15	20.4	
-521		3.30	19.4	
-590		1.00	22.7	
-617		1.83	22.4	
-634		1.66	21.9	
-660		0.78	21.6	

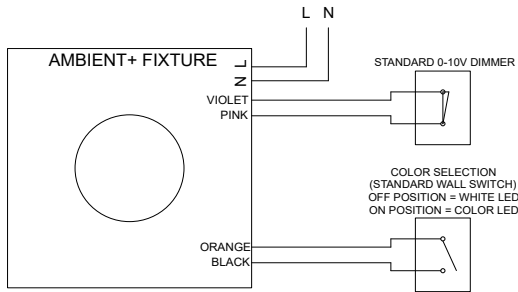


LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

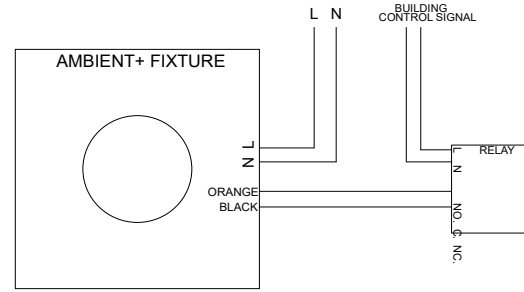
LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer of the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture to the offices of manufacturer within two 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.

# Ambient+ Two Color Switchable - Example Wiring Diagrams

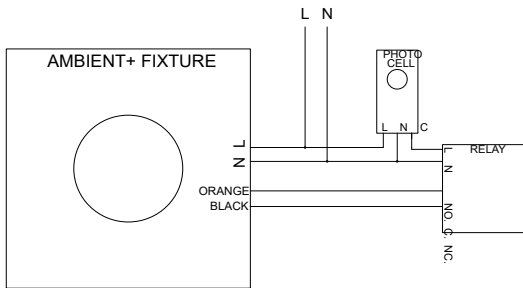
Basic Color Selection



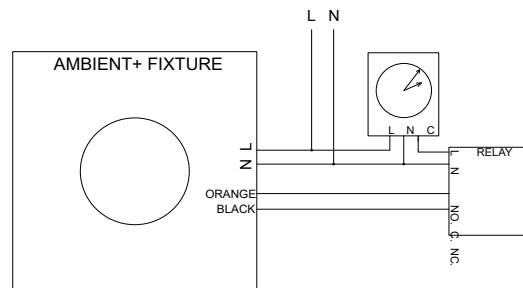
Building Control of White vs. Color



Photocell Control of White vs. Color



Timer Control of White vs. Color



Room Example with a Mix of Fixture Types

