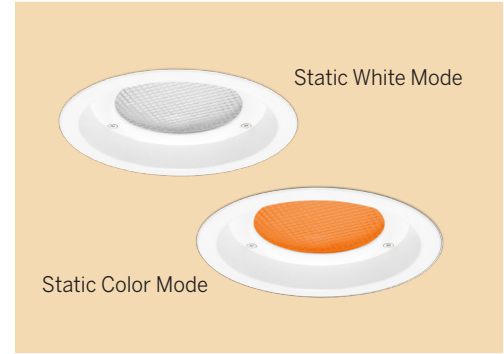


|           |         |         |
|-----------|---------|---------|
| CATALOG # | TYPE    |         |
| JOB NAME  | WATTAGE | VOLTAGE |

# Shoreview Series

*Ambient+ IP66 Rated 6" Downlight • Two Color Switchable or Static Color LED*  
 Two Static Colors Available • Up to 60,000 Hour Life  
 Wet Listed • LM-79 Certified • LM-80 Qualified

# TRR-06454



## 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
- Select static white color (CCT): see chart; 80+ CRI standard; Option -HC for 90+ (15% lumen loss)
- Select static color: Environmental yellow/amber (590nm) or Environmental red/orange (617nm) available
- True color, not phosphor converted
- No light emitted below 560nm in static color mode
- 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

- Smooth white seamless tapered aluminum self-flanged rigid cast trim (field paintable)
- Clear poly lens with square black louver above
- Vandal and ligature resistant, see Option -25
- BioGard antimicrobial trim, see Option -BGT

### IP66 Rated Sealed and Gasketed Trim

- Silicone seal between trim and lens seals lens to trim
- Closed cell gasketing on trim flange seals flange to ceiling
- O-rings on stainless steel fasteners seal fasteners to trim
- Meets ASTM E283 restricted airflow of 2CFM maximum

### 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)

- Wet, damp or dry locations, covered ceilings
- Through-branch conductors (4 #12 AWG 90°C) for Type IC listings

### IEC & FCC Compliance

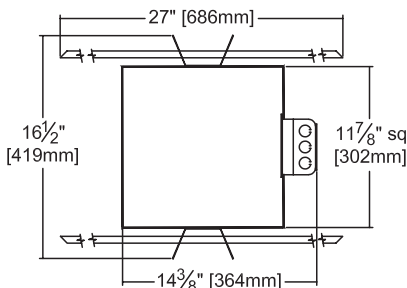
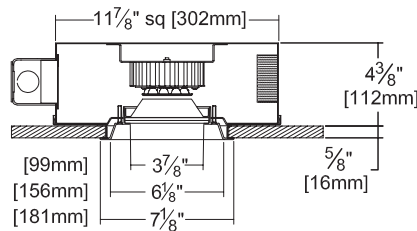
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

### FIVE YEAR Limited Warranty

- Complete standard fixture



## Dimensions



## Static Color Options

| OPTION | LED COLOR              | TYPICAL APPLICATION                         |
|--------|------------------------|---|
| -590   | Yellow / Amber (590nm) | Turtle Friendly, Sleep-Supporting Circadian |
| -617   | Amber (617nm)          | Vivarium, Sleep-Supporting Circadian        |

## Ambient+ Two Color Options and Ordering Configuration

(Example: TRR-06454-1000L-UNV-30K-590-D2-38T)

| Must Specify |        |                             |  | Optional  |  |  |  |  |
|--------------|--------|-----------------------------|--|---|--|--|--|--|
| Model        | Lumens | Volts                       | White CCT  | Static Color  | Driver Options   | Trim Options   | Emergency Options  | Other Options  |
| TRR-06454    | -1000L | -UNV<br>-97†: Other Voltage | <b>80+ CRI*</b><br>-27K: 2700°K<br>-30K: 3000°K<br>-35K: 3500°K<br>-41K: 4100°K<br>-50K: 5000°K<br>*Note: Lumen Factor = 0.93 for -27K<br><b>90+ CRI**</b><br>-27K-HC: 2700°K<br>-30K-HC: 3000°K<br>-35K-HC: 3500°K<br>-41K-HC: 4100°K<br>-50K-HC: 5000°K<br>**Note: Lumen Factor = 0.79 for -27K-HC; All Others = 0.85; Consult Factory | -590: 590nm Yellow/Amber; Turtle-friendly<br>-617: 617nm Amber; Turtle-friendly | (Blank): 0-10V 1.0% dim; 2 outputs - Static White and Static Color<br>-D2: 0-10V 0.1% dim; 2 outputs - Static White and Static Color | (Blank): Standard white trim; clear poly lens with black louver above<br><b>Trim Finishes</b><br>-35T: Silver enamel trim<br>-94: Custom color; consult factory<br>-BGT: Antimicrobial white BioGard™ (complete trim)<br>-BN: Brushed nickel cast trim<br><b>Other Trim Features</b><br>-25: Vandal resistant trim, hardware and lensing. Provides ligature and vandal resistance. Not available with NSF rating | (Blank): None<br>-EI: Remote emergency inverter for 100% rated lumens; Run time: 90+ minutes; N/A for options -FS, -97 | (Blank): None<br>-99: Special modification; consult factory<br>-FS: Fused primary; One per fixture; N/A for option -EI<br>-SH: Sealed housing and junction box |

†Consult factory

## Static Color Options and Ordering Configuration

(Example: TRR-06454-1000L-UNV-617-EI)

| Must Specify |        |                             |   | Optional   |  |   |  |  |
|--------------|--------|-----------------------------|---|--|--|---|--|--|
| Model        | Lumens | Volts                       | Static Color  | Driver Options   | Trim Options   | Emergency Options   | Other Options  |  |
| TRR-06454    | -1000L | -UNV<br>-97†: Other Voltage | -590: 590nm Yellow/Amber; Turtle-friendly<br>-617: 617nm Amber; Turtle-friendly | (Blank): 0-10V 1.0% dim<br>-D2: 0-10V 0.1% dim; Static Color | (Blank): Standard white trim; clear poly lens with black louver above<br><b>Trim Finishes</b><br>-35T: Silver enamel trim<br>-94: Custom color; consult factory<br>-BGT: Antimicrobial white BioGard™ (complete trim)<br>-BN: Brushed nickel cast trim<br><b>Other Trim Features</b><br>-25: Vandal resistant trim, hardware and lensing. Provides ligature and vandal resistance. Not available with NSF rating | (Blank): None<br>-EI: Remote emergency inverter for 100% rated lumens; Run time: 90+ minutes; N/A for options -FS, -97<br>-ERH: Remote emergency battery pack; Delivers 1000 lumens; CEC Compliant; Run time: 90+ minutes | (Blank): None<br>-99: Special modification; consult factory<br>-FS: Fused primary; One per fixture; N/A for option -EI<br>-SH: Sealed housing and junction box |  |

†Consult factory

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, E.G., 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. 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 applied 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.

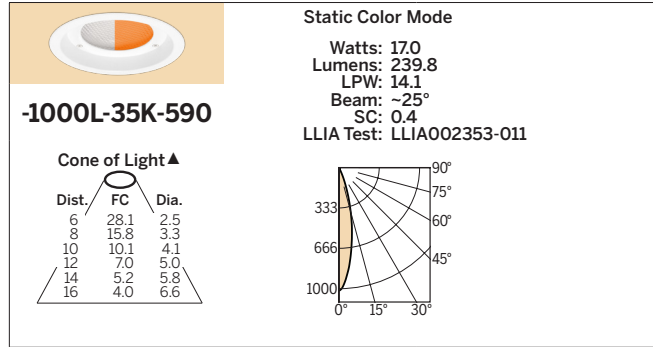
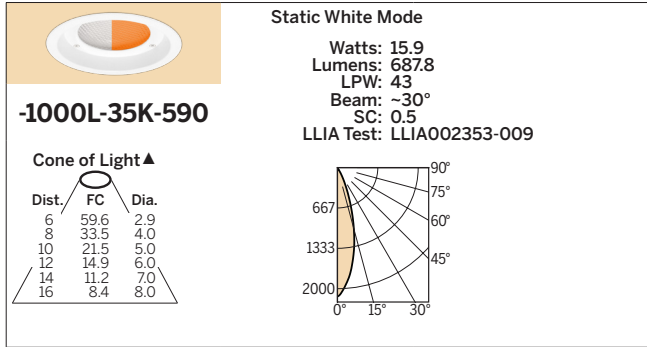
SHOREVIEW  
APRIL 2024

# 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-590         | 239.8        | 1.00               | 17.0             |
| -CCT-617         | 437.6        | 1.83               | 17.5             |



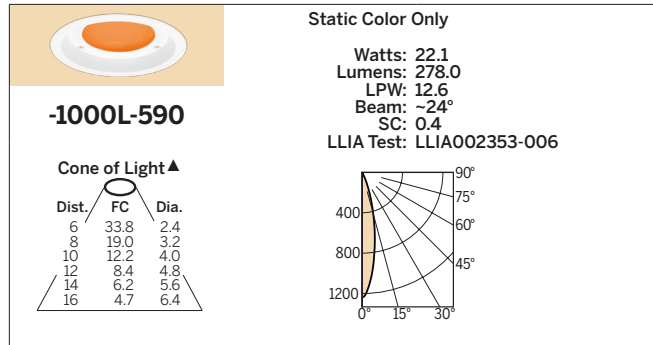
† Maximum wattage is in static color mode. For static white wattage, please see photometry below.  
 \* See notes on page 1 for additional info on Lumen Factors

# Photometry - Static Color - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

## Static Color

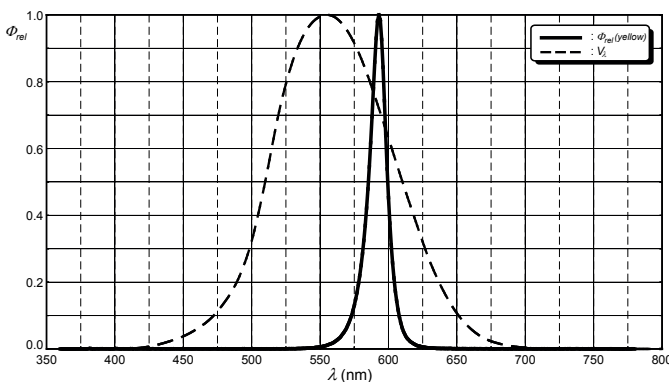
| STATIC COLOR | COLOR LUMENS | COLOR LUMEN FACTOR | NOMINAL WATTS | LPW  |
|--------------|--------------|--------------------|---------------|------|
| -590         | 278.0        | 1.00               | 22.1          | 12.6 |
| -617         | 507.4        | 1.83               | 22.4          | 22.7 |



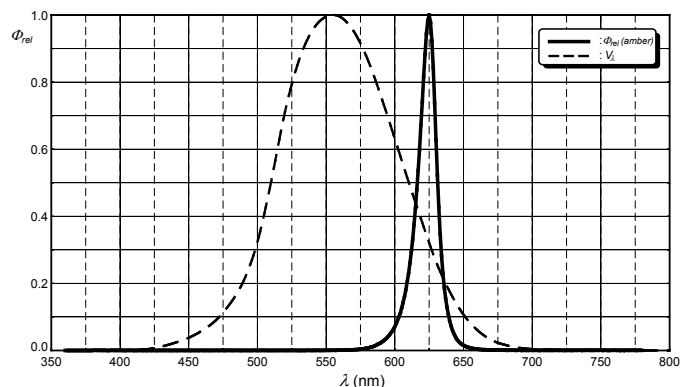
# LED Spectral Emissions

— LED Output  
 - - - Human Eye Perception

Environmental Yellow / Amber  
 590nm peak (583nm min, 595nm max)



Option -ERO (Environmental Red / Orange)  
 617nm peak (609nm min, 624nm max)

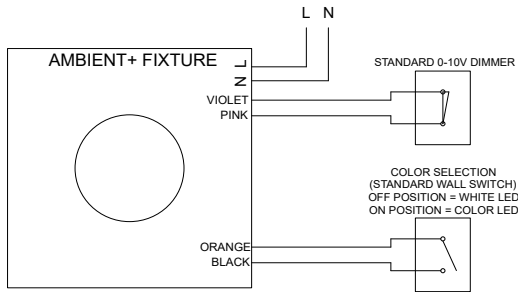


LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

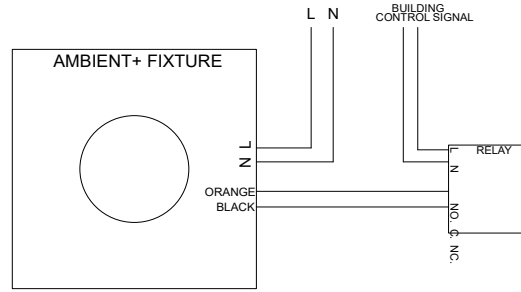
LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR 5 YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. / IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase and defective fixture at the offices of manufacturer within the 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 applied 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

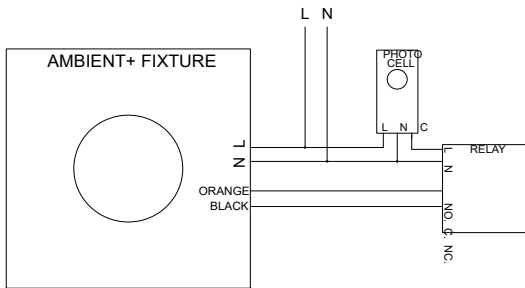
Basic Color Selection



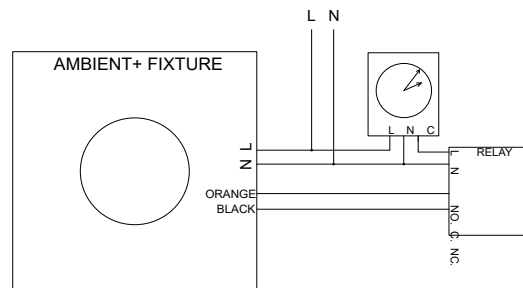
Building Control of White vs. Color



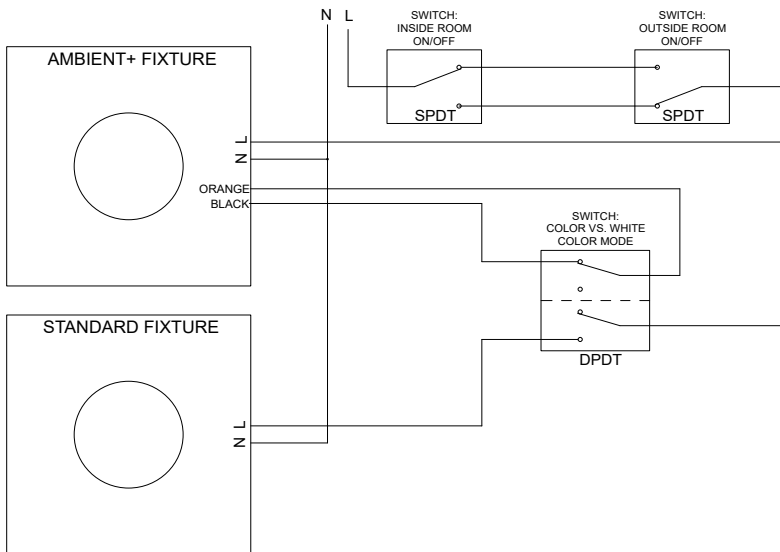
Photocell Control of White vs. Color



Timer Control of White vs. Color



Room Example with a Mix of Fixture Types



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