

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

Shoreview Series

Ambient+ Lensed 4" Square Downlight •

Two Color Switchable or Static Color

Two Static Colors Available • Up to 60,000 Hour Life

Wet Listed • LM-79 Certified • LM-80 Qualified

TRS-04504



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

- Tapered aluminum all white smooth self-flanged trim (field paintable)
- Clear poly lens with square black louver 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
- 1/2" and 3/4" knockouts

Installation & Hardware

- Indoor/outdoor in ceilings up to 1 1/4" thick or see option -79
- Compatible with fire rated enclosures (by others)
- 27" hanger bars & adjusting brackets (2) supplied

UL, C-UL (Canada) Compliance

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

IEC & FCC Compliance

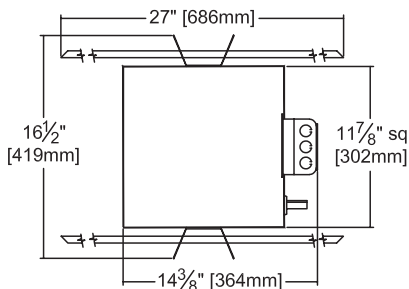
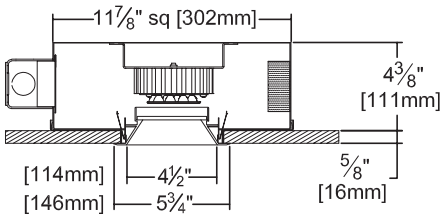
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture



Dimensions



Static Color Options

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

Ambient+ Two Color Options and Ordering Configuration

(Example: TRS-04504-1000L-UNV-30K-590-38T)

| Must Specify | | | | Optional | | | | |
|--------------|--------|-----------------------------|--|---|--|--|--|--|
| Model | Lumens | Volts | White CCT | Static Color | Driver Options | Trim Options | Emergency Options | Other Options |
| TRS-04504 | -1000L | -UNV -97†: Other Voltage | 80+ CRI* -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4100°K -50K: 5000°K *Note: Lumen Factor = 0.93 for -27K 90+ CRI** -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 | -590: 590nm Yellow/Amber; Turtle-friendly -617: 617nm Amber; Turtle-friendly | (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; clear poly lens with square black louver above Trim Finishes -35T: Silver enamel (complete trim) -37T: Dark bronze enamel (complete trim) -38T: Black enamel (complete trim) -94: Custom color; consult factory Other Trim Features -32: White trim extender, specify OD -45: Gasket between trim & ceiling -46: Gasket between trim & lens | (Blank): None -EI: Remote emergency inverter for 100% rated lumens; Run time: 90+ minutes; N/A for options -FS, -97 | (Blank): None Mounting -79: Extension collar for ceilings up to 2" thick -RH: Joist mounting hardware instead Other Options -99: Special modification; consult factory -FS: Fused primary; One per fixture; N/A for option -EI |

†Consult factory

Static Color Options and Ordering Configuration

(Example: TRS-04504-1000L-UNV-617-D2-94)

| Must Specify | | | | Optional | | | | |
|--------------|--------|-----------------------------|---|--|--|---|--|--|
| Model | Lumens | Volts | Static Color | Driver Options | Trim Options | Emergency Options | Other Options | |
| TRS-04504 | -1000L | -UNV -97†: Other Voltage | -590: 590nm Yellow/Amber; Turtle-friendly -617: 617nm Amber; Turtle-friendly | (Blank): 0-10V 1.0% dim -D2: 0-10V 0.1% dim; Static Color | (Blank): Seamless tapered aluminum self-flanged trim with white finish; clear poly lens with square black louver above Trim Finishes -35T: Silver enamel (complete trim) -37T: Dark bronze enamel (complete trim) -38T: Black enamel (complete trim) -94: Custom color; consult factory Other Trim Features -32: White trim extender, specify OD -45: Gasket between trim & ceiling -46: Gasket between trim & 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 Mounting -79: Extension collar for ceilings up to 2" thick -RH: Joist mounting hardware instead Other Options -99: Special modification; consult factory -FS: Fused primary; One per fixture; N/A for option -EI | |

†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 this 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 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.

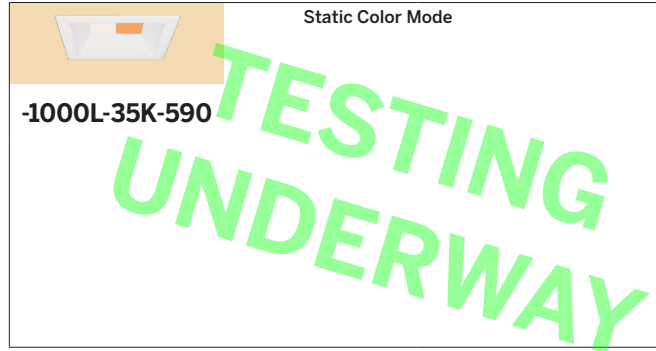
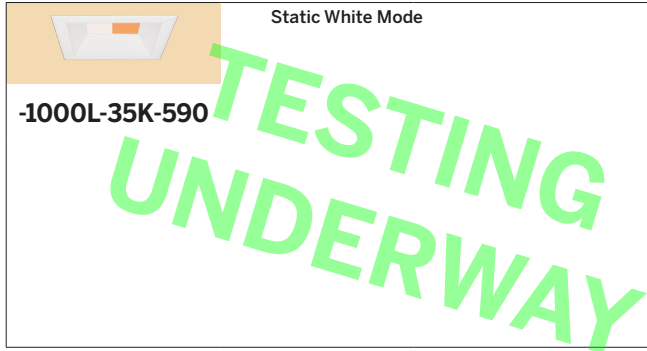
SHOREVIEW
APRIL 2024

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 | | 1.00 | 17.0 |
| -CCT-617 | | 1.83 | 17.5 |



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

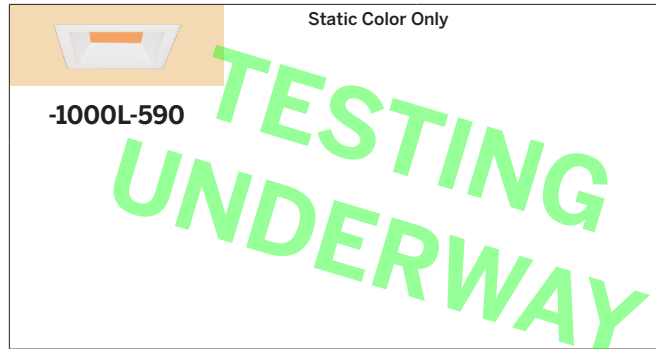
* See notes on page 1 for additional info on Lumen Factors

Photometry - Static Color - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

Static Color

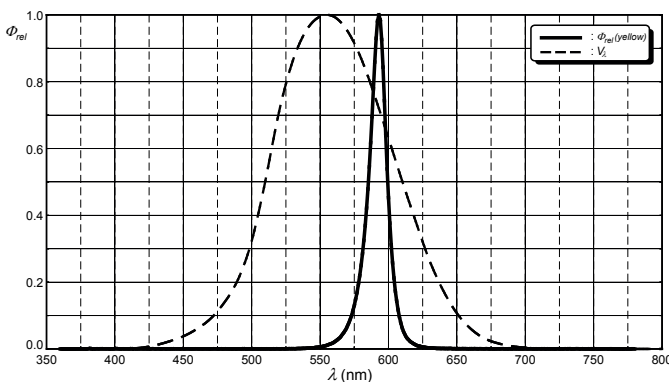
| STATIC COLOR | COLOR LUMENS | COLOR LUMEN FACTOR | NOMINAL WATTS | LPW |
|--------------|--------------|--------------------|---------------|-----|
| -590 | | 1.00 | 22.1 | |
| -617 | | 1.83 | 22.4 | |



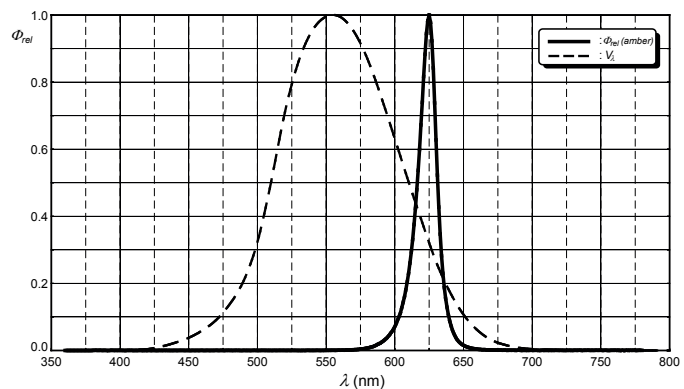
LED Spectral Emissions

—— 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)

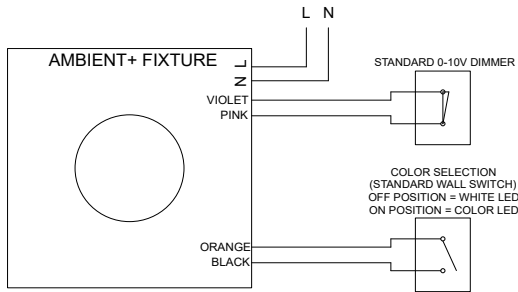


LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

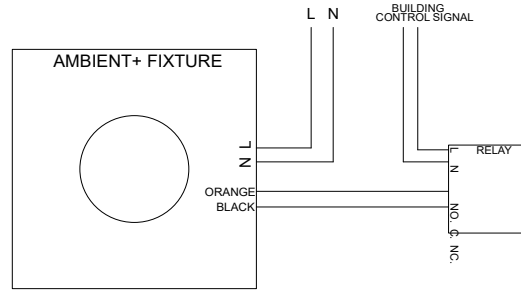
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Ambient+ Two Color Switchable - Example Wiring Diagrams

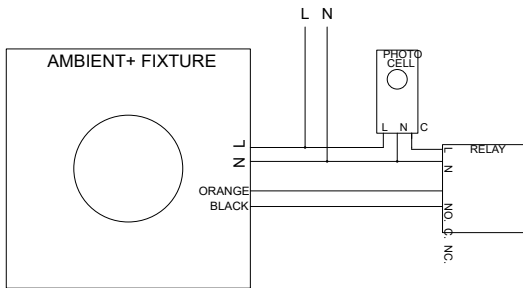
Basic Color Selection



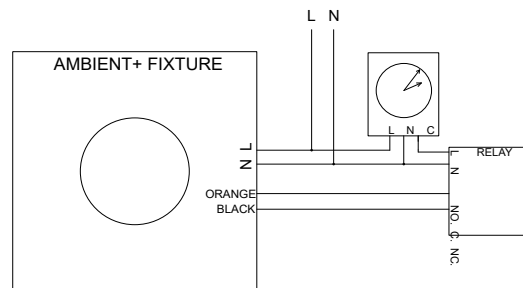
Building Control of White vs. Color



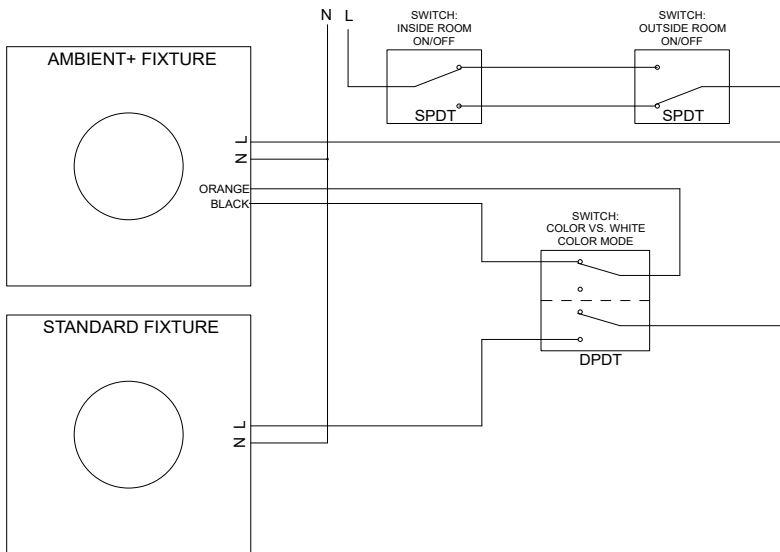
Photocell Control of White vs. Color



Timer Control of White vs. Color



Room Example with a Mix of Fixture Types



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