

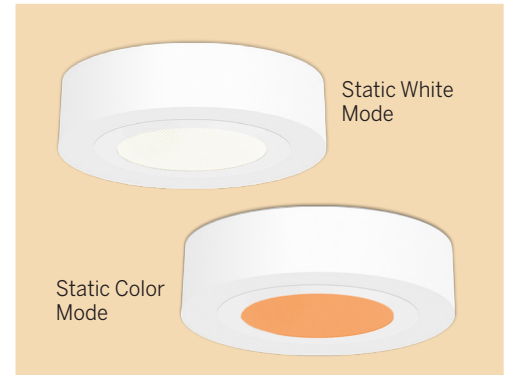
CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

# Shoreview Series

## Ambient+ Super Shallow 12" x 4" Cylinder Downlight Two Color Switchable or Static Color LED

Two Static Colors Available • Up to 60,000 Hours  
Wet Listed • LM-80 and LM-79 Certified

# TSR-12493



## Specifications

### Delivered System Performance

- Nominal Lumens in static white mode, see page 3 for static color output: **Must Specify -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

- All aluminum heat sink and components for cool operation, long life, 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

- White flat seamless aluminum, one piece self-flanged
- Clear poly lens with black louver above
- For vandal-resistant version, see Option -26

### Aluminum Housing

- Seamless white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- Water-tight construction with weatherproof closed cell top gasket for wet location use
- No visible cylinder hardware
- Cool operation: Extends life of all components
- Fully sustainable: Entire luminaire is modular, easily visible, and serviced through aperture
- Lightweight: minimizes ceiling load

### Installation

- Direct mount to any J-box pattern
- Indoor or outdoor
- See Option -NAT for natatorium use
- Option -PM for pendant mount

### UL, C-UL (Canada) Listings

- Wet listed in surface of pendant mount

### IEC & FCC Compliance

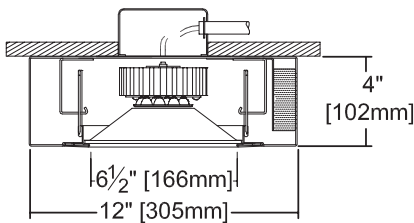
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

### FIVE YEAR Limited Warranty

- Complete standard fixture

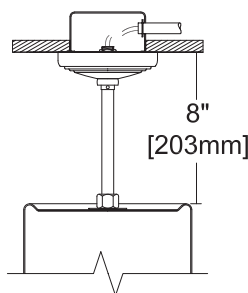


## Dimensions



Representative View:

With optional pendant mount (Option -PM)



## 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: TSR-12493-1000L-UNV-27K-590-D2-80)

Must Specify				Optional					
Model	Lumens	Volts	White CCT	Static Color	Driver Options	Housing Options	Mounting Options	Emergency Options	Other Options
TSR-12493	-1000L	-UNV -120 -97 <sup>†</sup> : Other Voltage	<b>80+ CRI*</b> -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4100°K -50K: 5000°K <b>*Note:</b> 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 <b>**Note:</b> 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): Standard white enamel; clear poly lens with black louver above  <b>Housing Finishes</b> -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory <b>Trim Features</b> -46: Gasket between lens and trim <b>Lens Options</b> -26: Tamper resistant button head screw with center pin; 1 key/10 fixtures	(Blank): Standard surface mount  -80: 2" collar for mounting beneath surface outlet box; ½" T.S. KO's; covered ceilings only -87: Custom length pendant; for -PM -88: Swivel canopy for sloped ceilings to 40°; with -PM -PM: Pendant stem; 8" stem or see -87	(Blank): None  -EI: Remote emergency inverter for 100% rated lumens; Run time: 90+ minutes; N/A for options -FS, -97	(Blank): None  -99: Special modification; consult factory -FS: Single in-line fuse; N/A for option -EI

<sup>†</sup>Consult factory

## Static Color Options and Ordering Configuration

(Example: TSR-12493-1000L-UNV-617-D2-80)

Must Specify				Optional				
Model	Lumens	Volts	Static Color	Driver Options	Housing Options	Mounting Options	Emergency Options	Other Options
TSR-12493	-1000L	-UNV -97 <sup>†</sup> : 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): Standard white enamel; clear poly lens with black louver above  <b>Housing Finishes</b> -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory <b>Trim Features</b> -46: Gasket between lens and trim <b>Lens Options</b> -26: Tamper resistant button head screw with center pin; 1 key/10 fixtures	(Blank): Standard surface mount  -80: 2" collar for mounting beneath surface outlet box; ½" T.S. KO's; covered ceilings only -87: Custom length pendant; for -PM -88: Swivel canopy for sloped ceilings to 40°; with -PM -PM: Pendant stem; 8" stem or see -87	(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  -99: Special modification; consult factory -FS: Single in-line fuse; N/A for option -EI

<sup>†</sup>Consult factory

LIMITED WARRANTY: KIRLIN LIGHTING PRODUCTS ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, USE, MAINTENANCE, REPAIR, OR MODIFICATION OF THE PRODUCT BY ANY OTHER PARTY, INCLUDING THE USER, SHALL VOID THE WARRANTY. THE 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. ABNORMAL USE, ABUSE OF THE PRODUCT, OR INSTALLATION OF THE PRODUCT WITHOUT PROPER WRITTEN AUTHORIZATION FROM THE MANUFACTURER WILL RENDER THE WARRANTY VOID.

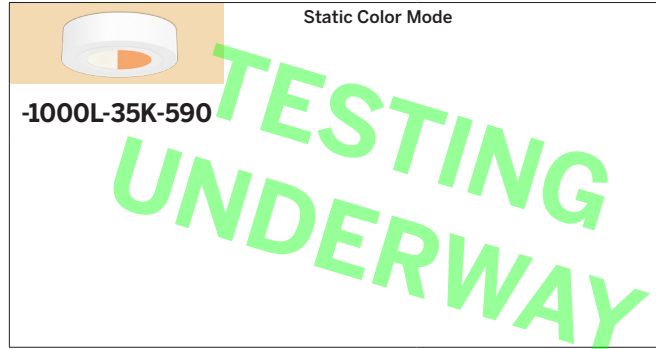
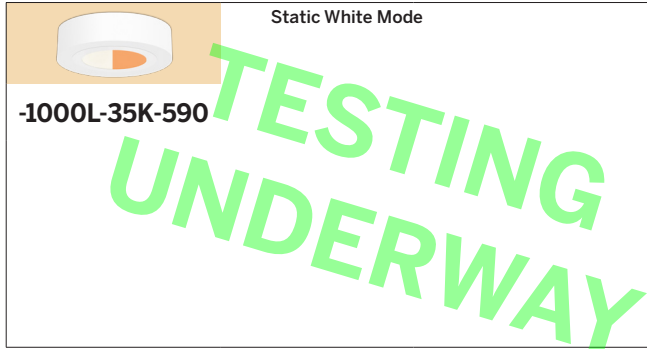
SHOREVIEW  
APRIL 2024

# 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 <sup>†</sup>
-CCT-590		1.00	17.0
-CCT-617		1.83	17.5



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

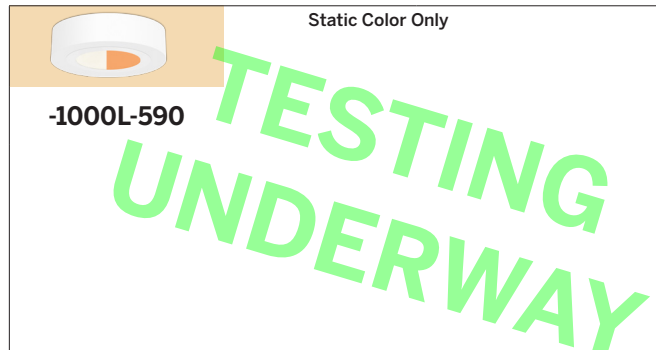
\* See notes on page 1 for additional info on Lumen Factors

# Photometry - Static Color - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

## Static Color

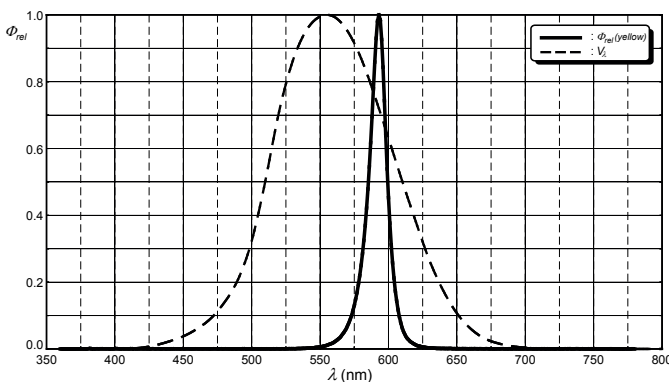
STATIC COLOR	COLOR LUMENS	COLOR LUMEN FACTOR	NOMINAL WATTS	LPW
-590		1.00	22.1	
-617		1.83	22.4	



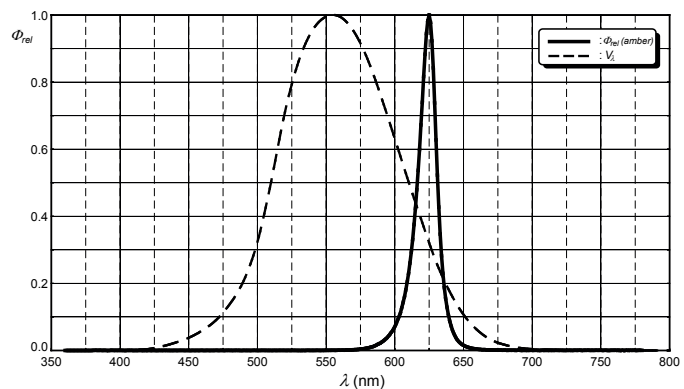
# LED Spectral Emissions

—— 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)

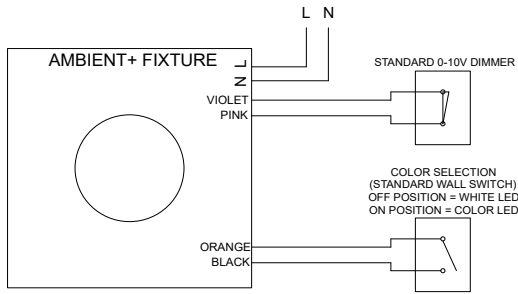


LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

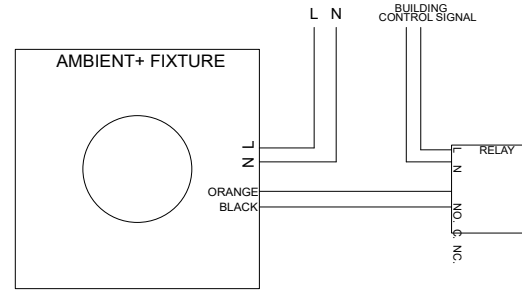
LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. / IN NORMAL USE. Manufacturer at the option will replace or repair such fixture or refund the purchase price on presentation of proof of purchase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

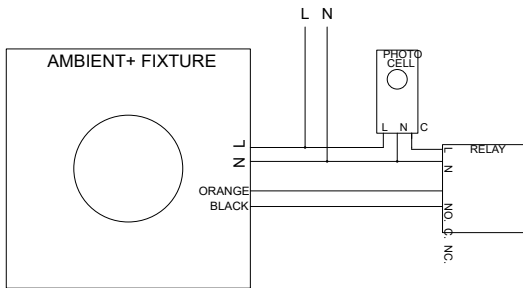
Basic Color Selection



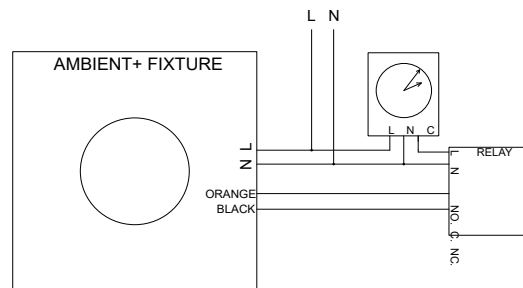
Building Control of White vs. Color



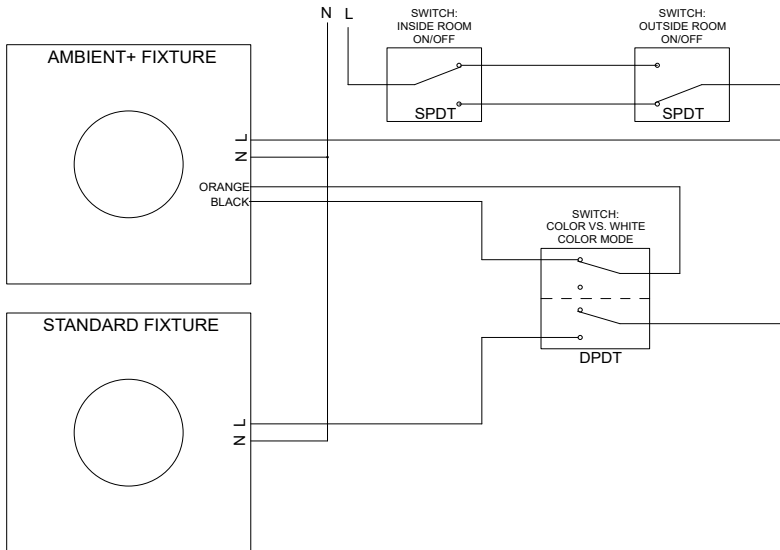
Photocell Control of White vs. Color



Timer Control of White vs. Color



Room Example with a Mix of Fixture Types



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