

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 Hour Rated Life

Wet Listed • LM-80 and LM-79 Certified

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 rated 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

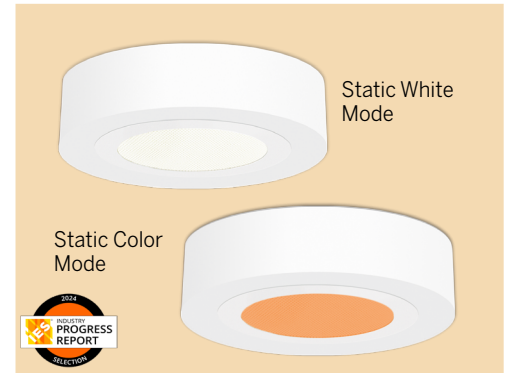
Aluminum Housing

- 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

TSR-12493



UL, C-UL (Canada) Listings

- Wet listed in surface of pendant mount

IEC & FCC Compliance

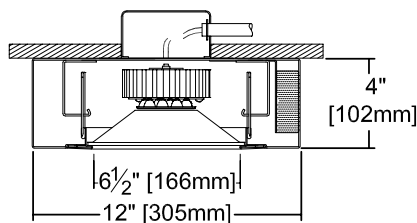
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

FIVE YEAR Limited Warranty

- Complete standard fixture

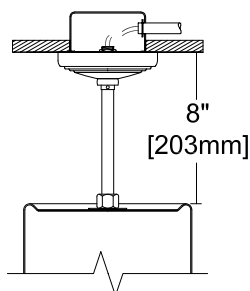


Dimensions



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

LIMITED WARRANTY: KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR ONE YEAR 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 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 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 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 [†] : Other Voltage	80+ CRI* -27K: 2700°K -30K: 3000°K -35K: 3500°K -41K: 4000°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: 4000°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): Standard white enamel; clear poly lens with black louver above Housing Finishes -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory Trim Features -46: Gasket between lens and trim Lens Options -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
		†Consult factory							

Static Color Options and Ordering Configuration

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

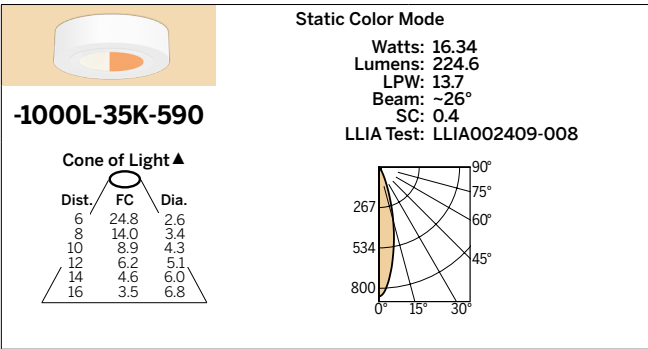
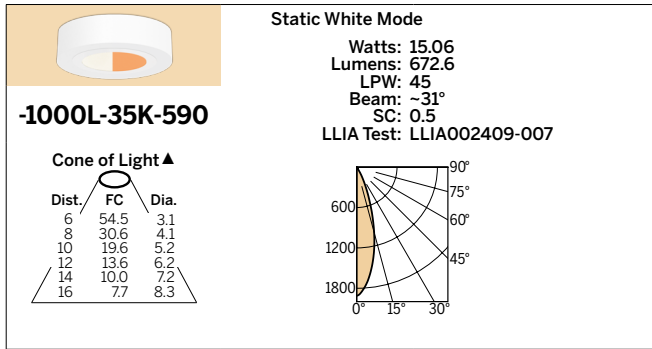
Must Specify				Optional				
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TSR-12493								
	-1000L	-UNV -97 [†] : Other Voltage	-590: 590nm Yellow/Amber; Turtle-friendly -617: 617nm Amber; Turtle-friendly	(Blank): 0-10V 1.0% dim -D2: 0-10V 0.1% dim; Static Color	(Blank): Standard white enamel; clear poly lens with black louver above Housing Finishes -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory Trim Features -46: Gasket between lens and trim Lens Options -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
		†Consult factory						

Photometry - Ambient+ Two Color Switchable - Installed Complete Fixture

LM-79 IES Certified Photometry from Independent Lab

Ambient+ Two Color

CCT-STATIC COLOR	COLOR LUMENS	COLOR LUMEN FACTOR	MAXIMUM WATTAGE†
-CCT-590	224.6	1.00	17.0
-CCT-617	411.0	1.83	17.5



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

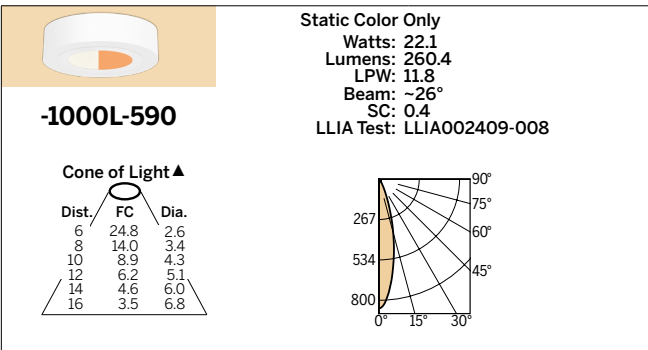
Photometry - Static Color - Installed Complete Fixture

LM-79 IES Certified Photometry from Independent Lab

Static Color

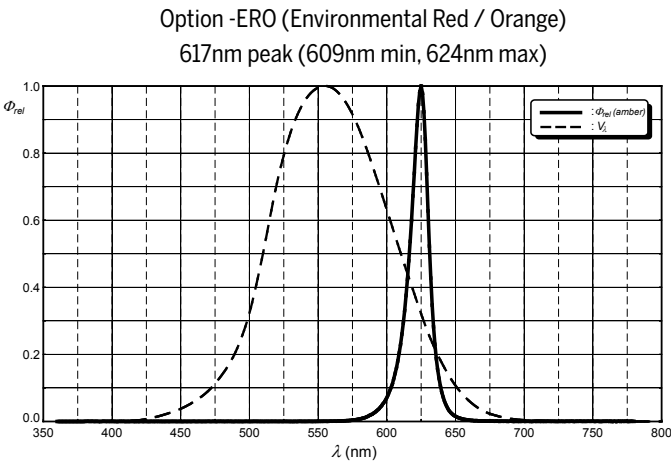
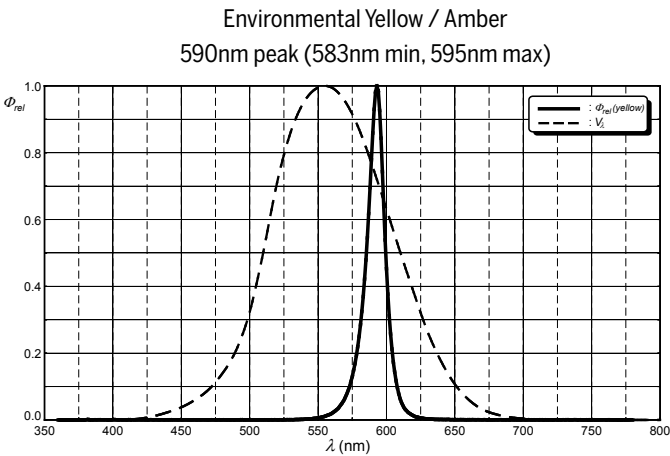
STATIC COLOR	COLOR LUMENS	COLOR LUMEN FACTOR	IES LUMEN FACTOR †	NOMINAL WATTS	LPW
-590	260.4	1.00	1.20	22.1	11.8
-617	476.5	1.83	2.20	22.1	21.6

† IES file are based on Ambient+ Static Color light output. Use this lumen factor for lighting calculations.



LED Spectral Emissions

———— LED Output
----- Human Eye Perception

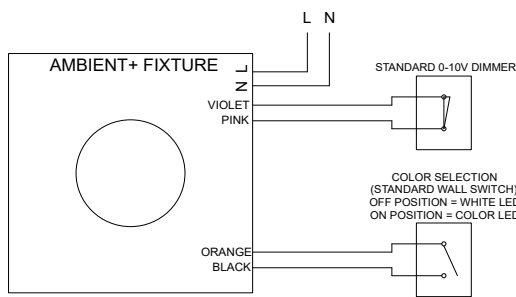


LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

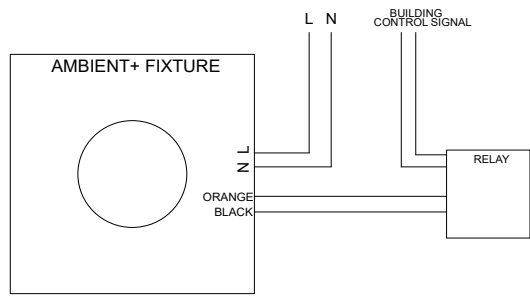
LIMITED WARRANTY: CATALOGED KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, IN NORMAL USE, MANUFACTURER AT HIS OPTION WILL REPLACE OR REPAIR SUCH FIXTURE OR REFUND THE PURCHASE PRICE ON PRESENTATION OF PROOF OF PURCHASE AND DEFECTIVE FIXTURE AT THE OFFICE OF MANUFACTURER WITHIN FIVE YEARS OF ORIGINAL SHIPMENT. LIABILITY OF 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. 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

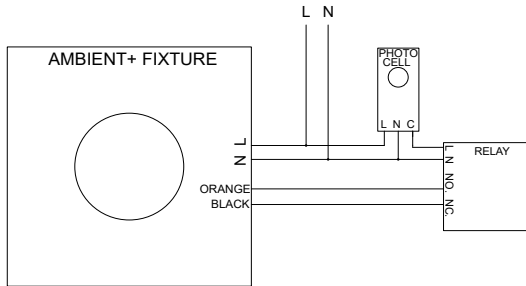
Basic Color Selection



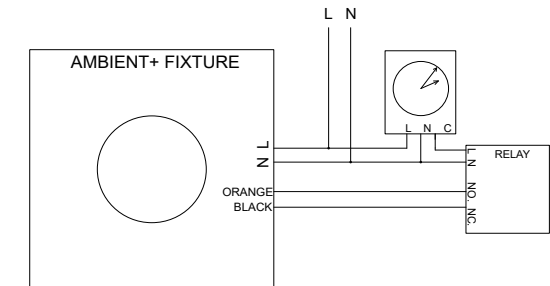
Building Control of White vs. Color



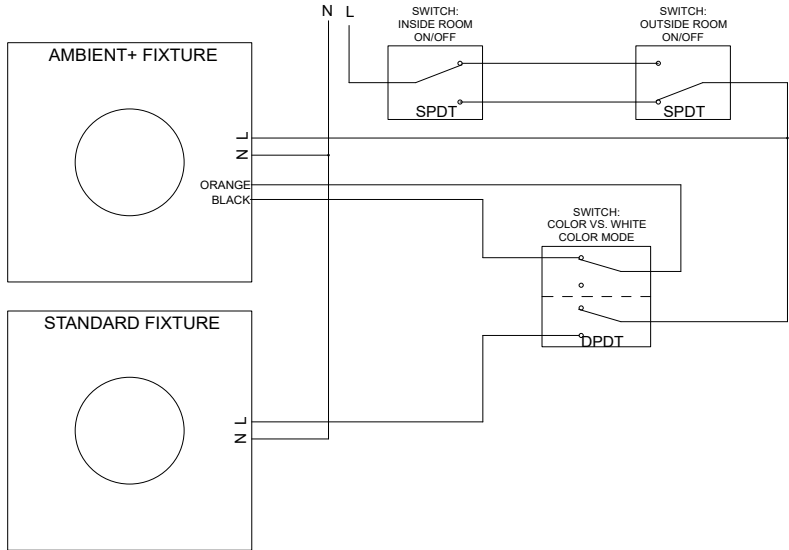
Photocell Control of White vs. Color



Timer Control of White vs. Color



Room Example with a Mix of Fixture Types



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