

CATALOG #	TYPE	
JOB NAME	WATTAGE	VOLTAGE

Latitudes Series

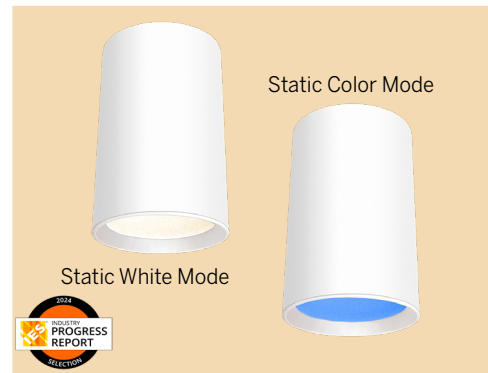
Ambient+ Lensed 6" x 10" Cylinder Downlight •

Two Color Switchable or Static Color LED

Six Static Colors Available • Up to 90,000 Hour Rated Life

Surface, Pendant, or Wall Mount • LM-80 and LM-79 Certified

LSR-06475



Specifications

Delivered System Performance

- Nominal Lumens in static white mode, see page 3 for static color output: **Must Specify -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
- 90,000 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

- Seamless white self-flanged aluminum
- Regressed microprismatic spread lens

Aluminum Housing

- Seamless white acrylic enameled finish
- Rustproof: Exceeds 1000 hour ASTM 5% salt spray test
- No visible cylinder hardware
- Cool operation: Extends life of all components
- Fully sustainable: Entire luminaire
- Lightweight: minimizes ceiling load
- See Options for additional finishes and mounts

Installation

- Center point mounting for snug fit to ceiling; mounting hardware furnished
- Indoor or outdoor for covered ceiling use (see Option -89)

UL, C-UL (Canada) Listings

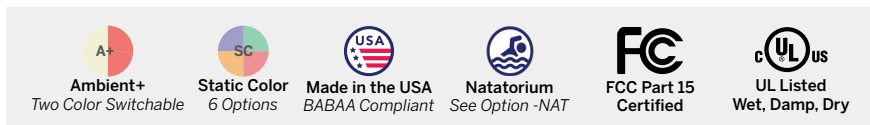
- Wet, damp or dry locations, covered ceilings (see Option -89)

IEC & FCC Compliance

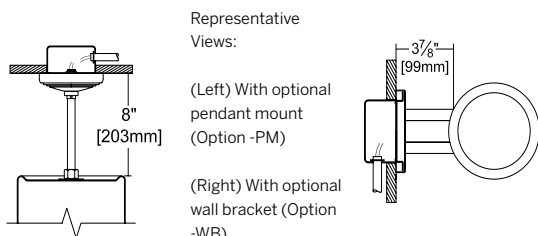
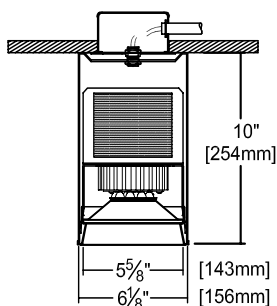
- Meets IEC/EN 60601-1-2 electromagnetic compatibility standard for medical electrical equipment
- FCC Part 15 certified for EMI/RFI emissions

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: LSR-06475-1000L-UNV-41K-617-D2-PM-88)

Must Specify					Optional				
Model	Lumens	Volts	White CCT	Static Color	Driver Options	Housing Options	Mounting Options	Emergency Options	Other Options
LSR-06475	-1000L	-UNV -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	-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): Standard white enamel with lens above Housing Finishes -35: Silver enamel finish -37: Dark bronze enamel finish -38: Black enamel finish -94: Custom color/finish; specify; consult factory Lens Options -13: Clear poly lens beneath diffusing lens -23: Frosted microprismatic lens instead -WA: White acrylic (flat) diffuser instead; will produce wide flood distribution	(Blank): Standard surface mount -80: 2" collar for mounting beneath surface outlet box; ½" T.S. KO's; add -89 for wet label -87: Custom length pendant/cable; for -ASB, -ASW, -PM -88: Swivel canopy for sloped ceilings to 40°; with -PM -89: WeatherCap cover for wet label; for -80, -PM, -WB -ASB: Aircraft cable, black cord; 48" or see -87; no wet label -ASW: Aircraft cable, white cord; 48" or see -87; no wet label -PM: Pendant stem; 8" stem or see -87; add -89 for wet label -WB: Wall mounted; add -89 for wet label	(Blank): None -EI: Remote emergency inverter for 100% rated lumens; Run time: 90+ minutes; N/A for options -FS, -97	(Blank): None -54: Safety cable from fixture through pendant stem and 12" beyond; use with -PM -99: Special modification; consult factory -FS: Single in-line fuse; N/A for Option -EI

Static Color Options and Ordering Configuration

(Example: LSR-06475-1000L-UNV-590-D2-37-WB)

Must Specify				Optional				
Model	Lumens	Volts	Static Color	Driver Options	Housing Options	Mounting Options	Emergency Options	Other Options
LSR-06475								
	-1000L	-UNV -120 -97†: Other Voltage 						

LIMITED WARRANTY: KIRLIN LIGHTING FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR FIVE YEARS FROM DATE OF PURCHASE. INSTALLATION, ETC., IN NORMAL USE. Manufacturer at its 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 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.

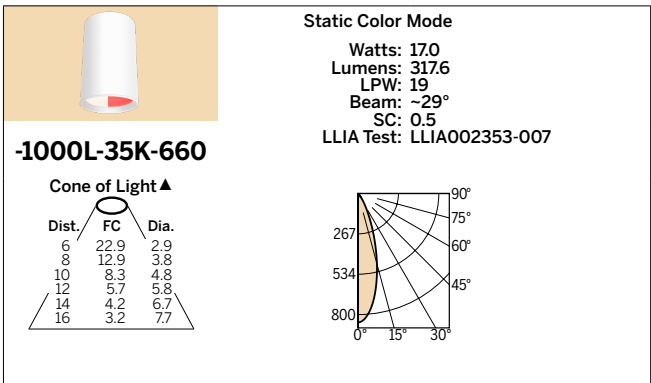
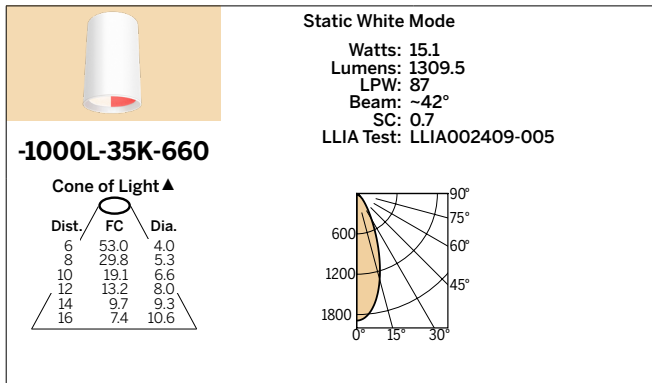
LATITUDES
NOVEMBER 2024

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	945.2	3.00	21.5
-CCT-521	1524.5	4.80	20.7
-CCT-590	408.8	1.29	17.3
-CCT-617	745.7	2.35	17.7
-CCT-634	679.0	2.14	16.8
-CCT-660	317.6	1.00	17.0



† 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

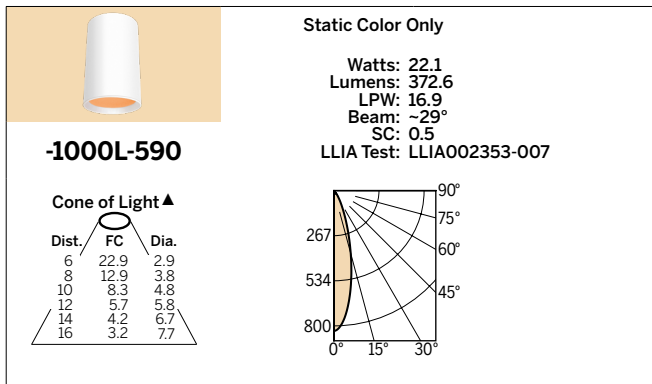
Photometry - Static Color - Installed Complete Fixture

LM-79 IESNA Certified Photometry from Independent Lab

Static Color

STATIC COLOR	COLOR LUMENS	COLOR LUMEN FACTOR	IES LUMEN FACTOR *	NOMINAL WATTS	LPW
-465	801.1	2.15	2.58	22.1	36.3
-521	1229.6	3.30	3.96	22.1	55.7
-590	372.6	1.00	1.20	22.1	16.9
-617	681.9	1.83	2.20	22.1	30.99
-634	618.5	1.66	1.99	22.1	28.0
-660	290.6	0.78	0.94	22.1	13.2

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



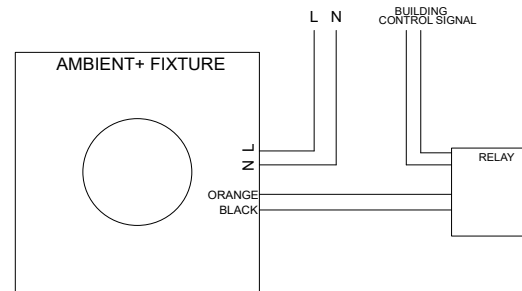
LED manufacturers maintain a tolerance of +/-7% on flux (lumens) and power (electrical) measurements.

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

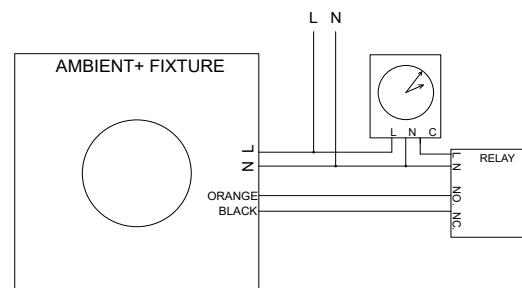
LATITUDES
NOVEMBER 2024

LIMITED WARRANTY: CATALOZED AIRLINER X145 ARE **WARRANTED FREE OF DEFECTS IN WORKMANSHIP FOR FIVE YEARS FROM DATE OF PURCHASE**. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at its option will replace or repair such failure or defect, at the purchase price presented in proof of purchase and effective for at the office of manufacturer within five 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, suffered by purchaser or any person. This warranty is given 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.

Building Control of White vs. Color



Timer Control of White vs. Color



The diagram illustrates a wiring setup for a two-room lighting system. It features two main components: an **AMBIENT+ FIXTURE** and a **STANDARD FIXTURE**. The system is controlled by two switches: a **SWITCH: INSIDE ROOM ON/OFF** (labeled **SPDT**) and a **SWITCH: OUTSIDE ROOM ON/OFF** (labeled **SPDT**). A **SWITCH: COLOR VS. WHITE COLOR MODE** (labeled **DPDT**) is also present, which can be used to control the color temperature of the fixtures.

The wiring connections are as follows:

- Power Source:** The system is powered by a line (**L**) and a neutral (**N**) line.
- Neutral Connections:** The neutral line (**N**) is connected to the neutral terminals of both the **AMBIENT+ FIXTURE** and the **STANDARD FIXTURE**.
- Line Connections:**
 - The line (**L**) is connected to the **INSIDE ROOM** switch.
 - The line (**L**) is also connected to the **OUTSIDE ROOM** switch.
 - The line (**L**) is connected to the **DPDT** switch.
- Fixture Connections:**
 - The **AMBIENT+ FIXTURE** is connected to the **INSIDE ROOM** switch and the **OUTSIDE ROOM** switch.
 - The **STANDARD FIXTURE** is connected to the **INSIDE ROOM** switch and the **OUTSIDE ROOM** switch.
- Switch Connections:**
 - The **INSIDE ROOM** switch is connected to the **OUTSIDE ROOM** switch.
 - The **OUTSIDE ROOM** switch is connected to the **DPDT** switch.
 - The **DPDT** switch is connected to the **INSIDE ROOM** switch.