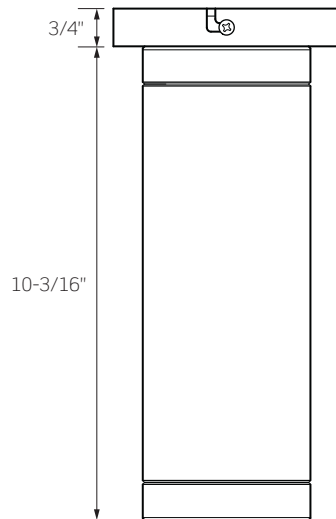
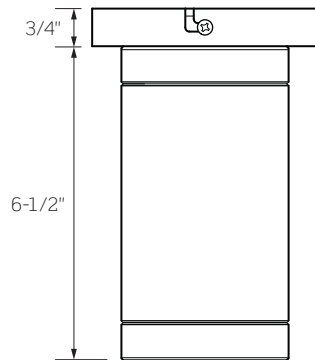


DATE

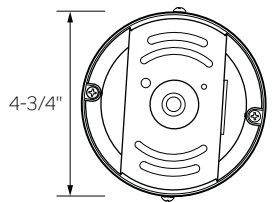
PROJECT

TYPE

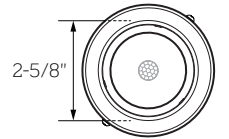
CY3 SERIES | 3-1/2-Inch Indoor/Outdoor Round Cylinders: Ceiling Mount



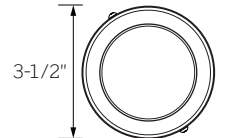
Top View: Indoor/Outdoor Canopy Mount



Bottom View: Indoor



Bottom View: Outdoor



| | CY3S1/CY3T1 | CY3S2/CY3T2 | CY3S3/CY3T3 |
|---------------------------|---|-------------|-------------|
| WATTAGE | 10W | 14W | 20W |
| LUMEN OUTPUT ¹ | 1200Lm | 1653Lm | 2286Lm |
| COLOR TEMPERATURE | 2700K / 3000K / 3500K / 4000K | | |
| CRI | 83 (80min) / 90+ | | |
| BEAM | 13° Spot / 29° Medium / 44° Flood / 60° Wide Flood / Wall Wash | | |
| LUMINAIRE HEIGHT | 6-1/2 Inches (Short) / 10-3/16 Inches (Tall) | | |
| FINISHES | Matte Black / Satin Bronze / Matte White / Matte Silver / Custom Colors Available | | |
| DRIVER INPUT WATTAGE | 10W | 14W | 20W |
| DRIVER INPUT VOLTAGE | 120V – 277V Dimming, 50/60Hz | | |
| DIMMING TYPE | 120V TRIAC/ELV 120V – 277V 0-10V Lutron HiLume EcoSystem | | |
| LISTINGS | cCSAus Certified for use in the U.S. and Canada; Suitable for Damp/Dry or Wet locations Wet Location Cylinders feature a Silicone Sealed Clear Glass Lens in a Gasketed Die-Cast Trim Ring to ensure unit is watertight; IP65 Rating for Wet Location Models Cylinders must be installed per specific product Installation Instructions and all appropriate NEC Codes ENERGY STAR® Certified | | |
| WARRANTY | Five (5) year replacement after date of purchase | | |
| SYSTEM RATING | 50,000 Hours @ 70% Lumen Maintenance | | |

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information

DATE

PROJECT

TYPE

CY3 SERIES | 3-1/2-Inch Indoor/Outdoor Round Cylinders: Ceiling Mount

ORDERING INFORMATION

Example Order: - -

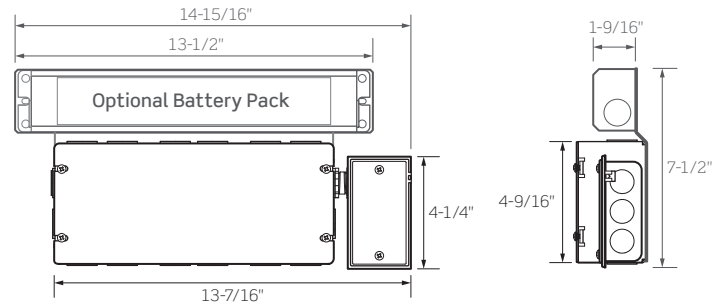
| Cyl. Height | LED Series | Color Temp/CRI | Driver/Dimming | Mounting | Mntg Location | Beam | |
|--------------------------------------|--------------------------|---|--|--------------------------|---|-----------------------------------|---|
| CY3S ¹ - 6-1/2 In. | 1 - 10W 1200lm | 83 (80min) CRI 27K - 2700K | 12D1 - 120V TRIAC/ELV | C - Ceiling Mount | - Interior Dry/ Damp Locations, Leave Blank | S - 13° Spot | |
| CY3T - 11 In. | 2 - 14W 1653lm | 30K - 3000K 35K - 3500K 40K - 4000K | MVD2 - 120V-277V 0-10V Dimming | | | X - Exterior/Wet Locations | M - 29° Medium F - 44° Flood WF - 60° Wide Flood |
| | 3 - 20W 2286lm | 90+ CRI 27KC - 2700K 30KC - 3000K 35KC - 3500K 40KC - 4000K | MVD4 ² - Lutron HiLume 1% EcoSystem Driver with Soft-On, Fade-to-Black | | | | WW ³ - Wall Wash |

Finish

- B** - Matte Black
- BZ** - Satin Bronze
- P** - Matte White
- S** - Matte Silver
- CC**⁴ - Custom Color

Battery and Remote Enclosure⁵

- None, Leave Blank
- RDB** - Remote Driver & Battery Pack
- RD** - Remote Driver Enclosure



- 10W Short Series (CY3S1) luminaires are not available with MVD2 Drivers
- Lutron HiLume Drivers must use Remote Driver Enclosure (RD Option)
- Wall Wash Optic (WW) is not field interchangeable with Spot, Medium, Flood and Wide Flood Optics
- Custom Color finishes available; consult factory for pricing, minimum order quantities and lead time
- RD and RDB Options must be installed in Dry/Damp Locations

RDB: Remote Driver & Battery Pack
Battery Flexible Conduit Whips Not Pictured
RD: Remote Driver Enclosure

ACCESSORY ORDERING INFORMATION

Replacement Optics

- CY3-OPTIC-S** - 13° Spot Beam
- CY3-OPTIC-M** - 29° Medium Beam
- CY3-OPTIC-F** - 44° Flood Beam
- CY3-OPTIC-WF** - 60° Wide Flood Beam

Spot (S), Medium (M), Flood (F), and Wide Flood (WF) Optics are not interchangeable with Wall Wash (WW) options

Accessories

- FA-47** - Accessory Holder
- FA-16 60MM** - 2-3/8-Inch Diameter Black Honeycomb Louver; Requires FA-47 Accessory Holder
- LF16-* 60MM** - 2-3/8-Inch Diameter Tempered Glass Lenses and Filters: 1/8-Inch Thick, typical; requires FA-47 Accessory Holder

*Color/Pattern Legend

- 73** (Spread Lens), **-LS** (Linear Spread Lens), **-SL** (Soft Light), **-SOL** (Solite),
- UV** (Optivex UV Filter), **-A** (Amber), **-B** (Blue), **-CL** (Clear), **-DPE** (Dichroic Peach),
- G** (Green), **-LB** (Light Blue), **-R** (Red), **-RO** (Rose), **-Y** (Yellow)

DATE

PROJECT

TYPE

CY3 SERIES | 3-1/2-Inch Indoor/Outdoor Round Cylinders: Ceiling Mount

PRODUCT DETAILS

Construction

- Specification Grade 3-1/2-inch diameter Aluminum Housing for indoor and outdoor applications
- Available in 6-1/2- and 11-inch heights
- Suitable for Dry/Damp (indoor) or Wet (outdoor) location types
- Wet Location Cylinders feature a Polycarbonate Screw-in Lens and O-Ring to ensure unit is watertight
- Hang support for hands-free wiring

Performance Summary

- Available in 13° Spot, 29° Medium, 44° Flood and 60° Wide Flood Beam Distributions, as well as a Wall Wash option
- Wall Wash Optic may be rotated 360° to aim distribution pattern
- Optics have been optically engineered to provide a smooth uniform beam, maximizing output and minimizing glare
- Optics can be easily changed in the field for optimal flexibility; Wall Wash Optic (WW) is not field interchangeable with Spot, Medium, Flood or Wide Flood Optics
- 2700K, 3000K, 3500K and 4000K Color Temperatures; CRI 80 of min., 83 typical; high CRI 90+ available
- Excellent fixture-to-fixture color consistency within a 3-step MacAdam Ellipse tolerance
- Battery Backup option provides 90 minutes of power
- UL750 and Class 2 compliant: RoHS compliant, U.S. only
- Output over voltage, over current and short circuit protected
- CY3 Cylinders are available for non-dimming and dimming applications; for Dimmer Compatibility, refer to Dimming Specification Sheet

DATE

PROJECT

TYPE

CY3 SERIES | 3-1/2 In Indoor/Outdoor Round Cylinders

PHOTOMETRICS

CY3S330K12D1CS: Spot Optic

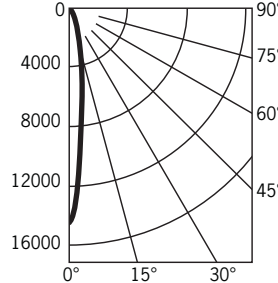
Fixture Delivered Lumens: 2197.22
 Total Watts@120V: 19.679
 Lumens Per Watt: 111.534
 Center Beam Candle Power: 14522
 Beam Distribution: 12.54°
 Spacing Criterion: 0.3135
 Color Rendering Index (CRI)¹: 83
 Color Temperature (CCT)²: 3101K

Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24020204
 LM-79 Test No. S24020101

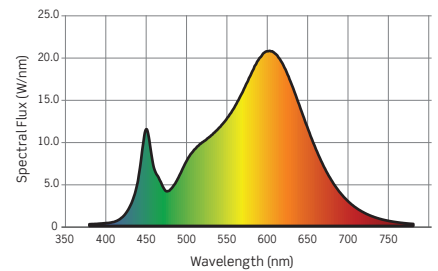
Intensity Distribution

| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 4 FT | 907.6 | 0.88 |
| 6 FT | 403.4 | 1.32 |
| 8 FT | 226.9 | 1.76 |
| 10 FT | 145.2 | 2.20 |
| 12 FT | 100.8 | 2.64 |
| 14 FT | 74.1 | 3.08 |

Candela Curve



Spectral Power Distribution Chart⁴



CY3S330K12D1CM: Medium Optic

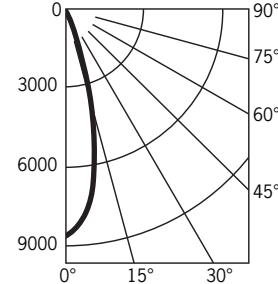
Fixture Delivered Lumens: 2285.87
 Total Watts@120V: 19.672
 Lumens Per Watt: 116.034
 Center Beam Candle Power: 8583
 Beam Distribution: 29.28°
 Spacing Criterion: 0.4628
 Color Rendering Index (CRI)¹: 83
 Color Temperature (CCT)²: 3101K

Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24020203
 LM-79 Test No. S24020101

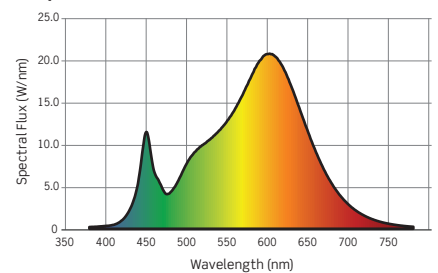
Intensity Distribution

| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 4 FT | 536.4 | 2.09 |
| 6 FT | 238.4 | 3.13 |
| 8 FT | 134.1 | 4.18 |
| 10 FT | 85.8 | 5.22 |
| 12 FT | 59.6 | 6.24 |
| 14 FT | 43.8 | 7.31 |

Candela Curve



Spectral Power Distribution Chart⁴



CY3S330K12D1CF: Flood Optic

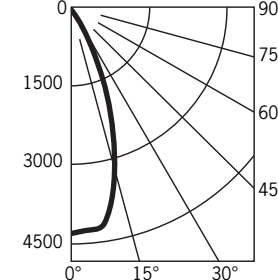
Fixture Delivered Lumens: 2263.94
 Total Watts@120V: 19.675
 Lumens Per Watt: 114.921
 Center Beam Candle Power: 4311
 Beam Distribution: 43.77°
 Spacing Criterion: 0.6604
 Color Rendering Index (CRI)¹: 83
 Color Temperature (CCT)²: 3101K

Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24020205
 LM-79 Test No. S24020101

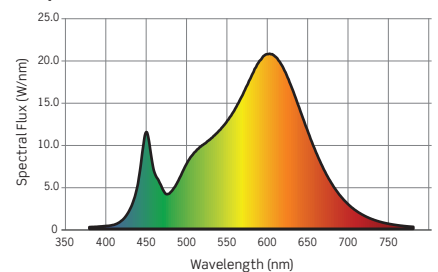
Intensity Distribution

| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 4 FT | 269.4 | 3.21 |
| 6 FT | 119.7 | 4.82 |
| 8 FT | 67.4 | 6.43 |
| 10 FT | 43.1 | 8.03 |
| 12 FT | 29.9 | 9.64 |
| 14 FT | 22.0 | 11.25 |

Candela Curve



Spectral Power Distribution Chart⁴



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on CCT. To estimate lumen output of the various CCT/CRI options, multiply 3000K (80 CRI min) results by the following:

| CCT | CCT MULTIPLIERS | | OUTPUT MULTIPLIERS | | |
|-------|-----------------|----------|--------------------|-------|-------------------|
| | STD CRI | HIGH CRI | 10W | 14W | WET LOCATION OPT. |
| 2700K | 0.949 | 0.842 | 0.525 | 0.723 | 0.922 |
| 3000K | N/A | 0.872 | | | |
| 3500K | 1.02 | 0.895 | | | |
| 4000K | 1.04 | 0.916 | | | |

DATE

PROJECT

TYPE

CY3 SERIES | 3-1/2 In Indoor/Outdoor Round Cylinders

PHOTOMETRICS

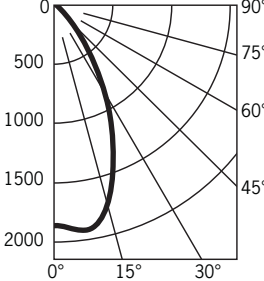
CY3S330K12D1CWF: Wide Flood Optic

Fixture Delivered Lumens: 1854.25
 Total Watts@120V: 19.675
 Lumens Per Watt: 94.1245
 Center Beam Candle Power: 1876
 Beam Distribution: 59.89°
 Spacing Criterion: 0.882
 Color Rendering Index (CRI)¹: 83
 Color Temperature (CCT)²: 3101K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24020206
 LM-79 Test No. S24020101

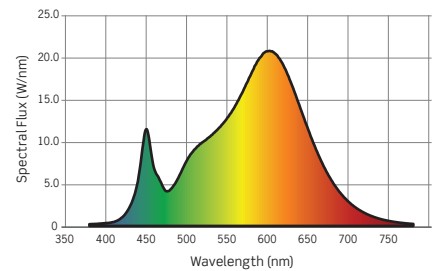
Intensity Distribution

| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 4 FT | 117.2 | 4.61 |
| 6 FT | 52.1 | 6.91 |
| 8 FT | 29.3 | 9.22 |
| 10 FT | 18.8 | 11.52 |
| 12 FT | 13.0 | 13.83 |
| 14 FT | 9.6 | 16.13 |

Candela Curve



Spectral Power Distribution Chart⁴



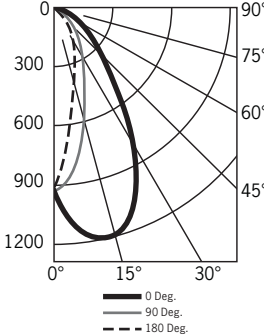
CY3S330K12D1CWW: Wall Wash

Fixture Delivered Lumens: 997.225
 Total Watts@120V: 19.718
 Lumens Per Watt: 50.6206
 Center Beam Candle Power: 927
 Beam Distribution: 50.35°
 Spacing Criterion: 0.8078
 Color Rendering Index (CRI)¹: 83
 Color Temperature (CCT)²: 3101K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. G24020207
 LM-79 Test No. S24020101

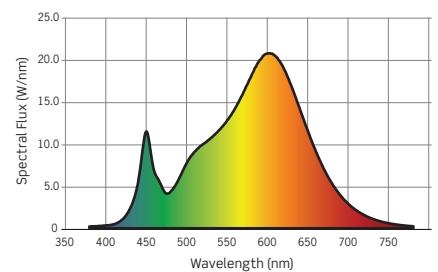
Intensity Distribution

| DISTANCE (FT.) | FOOTCANDLES (FC) | BEAM DIAMETER (FT.) |
|----------------|------------------|---------------------|
| 4 FT | 57.9 | 4.08 |
| 6 FT | 25.7 | 6.08 |
| 8 FT | 14.5 | 8.11 |
| 10 FT | 9.3 | 10.14 |
| 12 FT | 6.4 | 12.16 |
| 14 FT | 4.7 | 14.19 |

Candela Curve



Spectral Power Distribution Chart⁴



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on CCT. To estimate lumen output of the various CCT/CRI options, multiply 3000K (80 CRI min) results by the following:

| CCT | CCT MULTIPLIERS | | OUTPUT MULTIPLIERS | | |
|-------|-----------------|----------|--------------------|-------|-------------------|
| | STD CRI | HIGH CRI | 10W | 14W | WET LOCATION OPT. |
| 2700K | 0.949 | 0.842 | 0.525 | 0.723 | 0.922 |
| 3000K | N/A | 0.872 | | | |
| 3500K | 1.02 | 0.895 | | | |
| 4000K | 1.04 | 0.916 | | | |

BUG RATINGS

Not valid for Wall Mount (W) when oriented as an Uplight

| | REFLECTOR | | | | |
|-----|-----------|----------|----------|------------|------------------------|
| | SPOT | MEDIUM | FLOOD | WIDE FLOOD | WALL WASH ¹ |
| 10W | B1 U0 G0 | B1 U0 G0 | B1 U0 G0 | B1 U0 G0 | B0 U0 G0 |
| 14W | B1 U0 G0 | B1 U0 G0 | B1 U0 G0 | B1 U0 G0 | B1 U0 G0 |
| 20W | B2 U0 G0 | B2 U0 G0 | B2 U0 G0 | B2 U0 G0 | B0 U0 G0 |

1. Wall Wash Rating based on Reflector used as Forward Throw

DATE

PROJECT

TYPE

CY3 SERIES | 3-1/2 In Indoor/Outdoor Round Cylinders

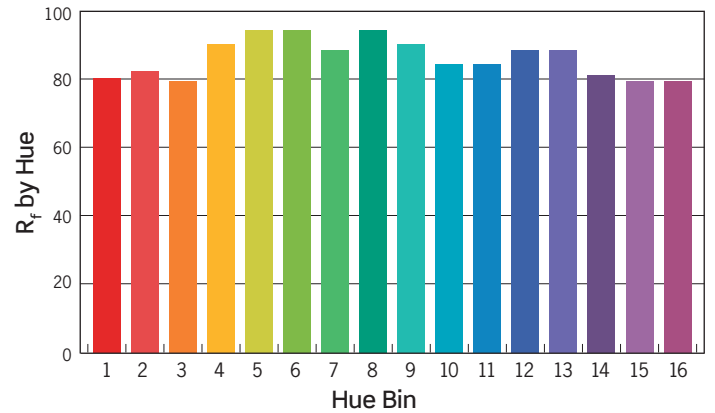
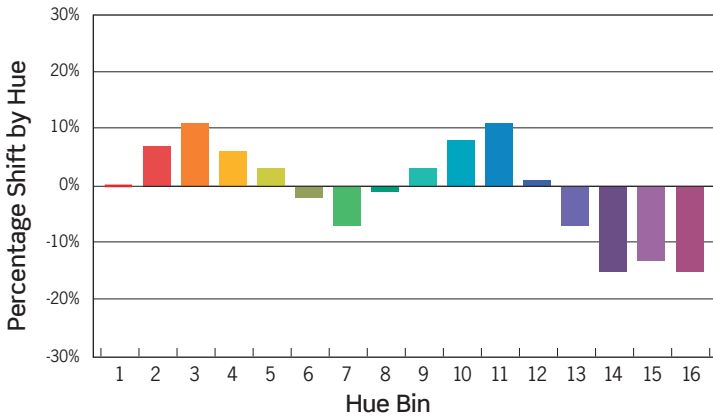
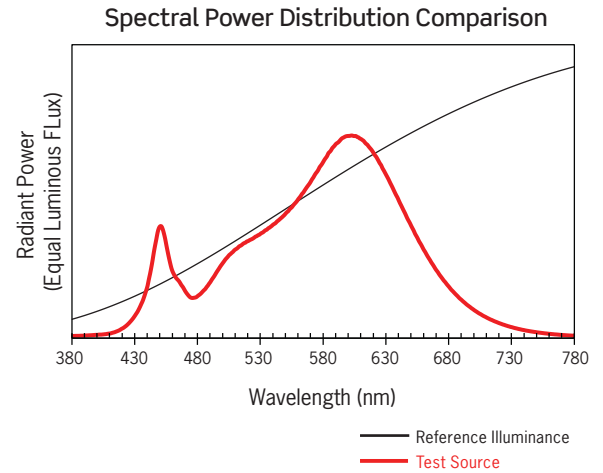
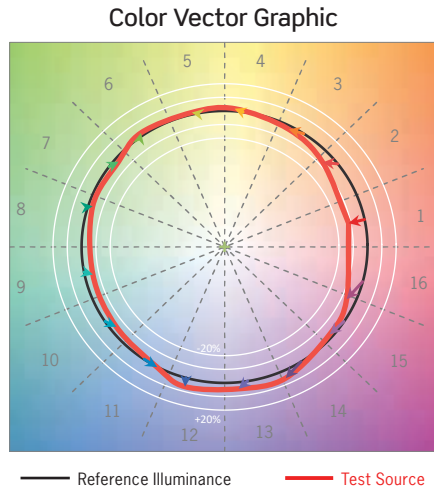
PHOTOMETRICS

TM-30 DATA: CY3S440K12D1CM

ANSI/IES TM-30-18 Color Rendition Report Test No. S24020101

Colors are for visual orientation purposes only

| | |
|----------|---------|
| R_f | 86 |
| R_g | 96 |
| CCT(K) | 3101 K |
| D_{uv} | -0.0002 |
| u^I | 0.2470 |
| v^I | 0.5196 |



| HUE BIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------------|----|----|-----|----|----|-----|-----|-----|----|----|-----|----|-----|------|------|------|
| HUE SHIFT | 0% | 7% | 11% | 6% | 3% | -2% | -7% | -1% | 3% | 8% | 11% | 1% | -7% | -15% | -13% | -15% |
| R_f VALUE | 80 | 82 | 79 | 90 | 94 | 94 | 88 | 94 | 90 | 84 | 84 | 88 | 88 | 81 | 79 | 79 |

Colors are for visual orientation purposes only

CY3 SERIES | 3-1/2-Inch Round Indoor/Outdoor Cylinders: Dimming Specifications

- Incandescent 120VAC Dimmers adjust the light with “forward phase control”, where the dimmer “chops” the forward part of the AC wave to deliver less or more power to the light source. No neutral wire connection required.
- Electronic Low Voltage 120VAC Dimmers adjust the light with “reverse phase control”, where the dimmer “chops” the back part of the AC wave to deliver less or more power to the light source. Neutral wire connection required.
- 0-10V DC Low Voltage Dimmers operate using two low voltage dimming wires that are separate from the 120V or 277V AC power. The Dimmer sends a variable output voltage to the fixture based upon the dimming level. 10V Corresponds to undimmed operation, 5V to 50% and so on. Switching on/off is controlled with the line voltage power input (120V or 277V AC) to the Dimmer and then dimming operation is controlled with the 0-10V DC low voltage wiring connection between the Dimmer and the LED Driver. The control signal runs on two low voltage control wires (color coded violet and pink/gray).
- Lutron EcoSystem Drivers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit www.lutron.com

| | | | CY3S/CY3T* Dimming Option 12D1 or MVD2 |
|----------------|----------------|-----------|---|
| Manufacturer | Product | Model | Light Output |
| Leviton | IllumaTech | IPI06-1LZ | 1%-100% |
| Leviton | SureSlide | 6631-2 | 1%-100% |
| Leviton | Vizia | VPE06 | 9%-100% |
| Leviton | Trimatron | 6683-IW | 4%-100% |
| Leviton | Decora | 6161 | 15%-100% |
| Leviton | SureSlide | 6633-P | 0%-100% |
| Leviton | IllumaTech | IPE04 | 6%-100% |
| Leviton | IllumaTech | IP710-DLX | NA |
| Lutron | Ariadni | TGCL-153P | 4%-100% |
| Lutron | Ariadni | TG-600P | 11%-100% |
| Lutron | Diva | DVCL-153P | 0%-100% |
| Lutron | Diva | DV600P | 0%-100% |
| Lutron | Diva | DVELV303P | 6%-100% |
| Lutron | Diva | DVTV | NA |
| Lutron | Faedra | FAELV500 | 12%-100% |
| Lutron | Lumea | LG600P | 5%-100% |
| Lutron | Maestro | MAELV600 | 11%-100% |
| Lutron | Nova | NFTV | NA |
| Lutron | Nova T | NTFTV | NA |
| Lutron | Skylark | S-603PG | 4%-96% |
| Lutron | Skylark | S600P | 1%-100% |
| Lutron | Skylark | SELV300P | 7%-100% |
| Lutron | Skylark | CT103P | 9%-100% |
| Pass & Seymour | Titan | CD4FB-W | NA |
| Watt Stopper | Miro Decorator | DCLV1 | NA |
| Synergy | | ISD BC | NA |
| Cooper | Devine | DLC03P | 1%-100% |
| Cooper | Skye | SLC03P | 0%-100% |
| Cooper | Decorator | DAL06P | 0%-100% |

*277V Triac Dimming is not available

1. Testing was performed with a single fixture connected to dimmer.
2. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
3. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
4. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
5. Consult factory for additional dimming information.