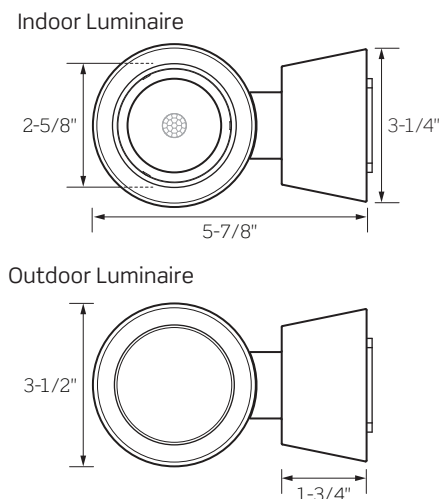
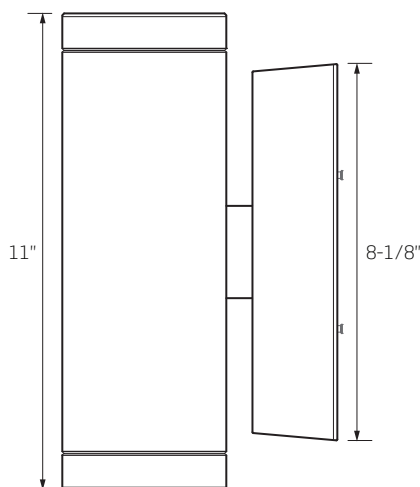






DATE

PROJECT

TYPE

## CY3 SERIES | 3-1/2 Inch Indoor/Outdoor Round Cylinders: Up/Down Wall Mount



	CY3T1	CY3T2	CY3T3
FIXTURE WATTAGE	20W	28W	40W
INDIVIDUAL ENGINE WATTAGE	10W	14W	20W
FIXTURE LUMEN OUTPUT <sup>1</sup>	2200Lm	2800Lm	3600Lm
INDIVIDUAL ENGINE LUMEN OUTPUT <sup>1</sup>	1100Lm	1400Lm	1800Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K		
CRI	83 (80min) / 90+		
BEAM	12° Spot / 28° Medium / 39° Flood / 65° Wide Flood / Wall Wash		
LUMINAIRE HEIGHT	11 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 Forward Phase Only 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 Cylinders must be installed per specific product installation instructions and all appropriate NEC Codes ENERGY STAR® Certified IP65 Rating for Wet Location Models		
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: Up/Down Wall Mount

## ORDERING INFORMATION

**Example Order:**  -  -

Standard Luminaire construction uses identical LED Light Engines, Color Temperatures and Beams in both the Up and Down direction; consult factory if different Light Engines, Color Temperatures or Beam Spreads are required in each direction of an Up/Down luminaire

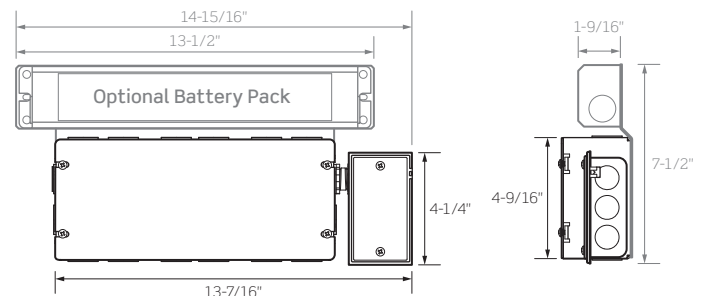
Cyl. Height	LED Series	Color Temp/CRI	Driver/Dimming	Mounting	Mntg Location	Beam
CY3T - 11 In.	<b>1</b> - 10W 1100lm	83 (80min) CRI <b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K	<b>12D1</b> - 120V TRIAC/ELV <b>12D3<sup>2</sup></b> - Lutron HiLume 1%, 2-Wire LED Driver (120V Forward Phase Only)	<b>UD</b> - Up/Down Wall Mount	<b>-</b> Interior Dry/ Damp Locations, Leave Blank <b>X</b> - Exterior/Wet Locations	<b>S</b> - 12° Spot <b>M</b> - 28° Medium <b>F</b> - 36° Flood <b>WF</b> - 65° Wide Flood <b>WW<sup>3</sup></b> - Wall Wash
	<b>2</b> - 14W 1400lm					
	<b>3</b> - 20W 1800lm	90+ CRI <b>27KC</b> - 2700K <b>30KC</b> - 3000K <b>35KC</b> - 3500K <b>40KC</b> - 4000K	<b>MVD2</b> - 120V-277V 0-10V Dimming <b>MVD4<sup>2</sup></b> - Lutron HiLume 1%, EcoSystem LED Driver Soft-On, Fade-to-Black			

### Finish

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

### Battery and Remote Enclosure<sup>5</sup>

- None, Leave Blank
- RDB<sup>5</sup>** - Remote Driver & Battery Pack
- RD** - Remote Driver Enclosure



- Wattage/Lumen options listed are for a single Light Engine
- Lutron HiLume Drivers must use Remote Driver Enclosure (RD Option)
- Wall Wash Optic (WW) is not field interchangeable with Spot, Medium, Flood or 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
- 90 Minute Battery Backup option powers the Down Light Engine; consult factory for alternate options

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

## ACCESSORY ORDERING INFORMATION

### Replacement Optics

- 2INOPTIC-S** - 12° Spot Beam
- 2INOPTIC-M** - 28° Medium Beam
- 2INOPTIC-F** - 36° Flood Beam
- 2INOPTIC-WF** - 65° 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: Up/Down Wall Mount

## PRODUCT DETAILS

### Construction

- Specification Grade 3-1/2 inch diameter Aluminum Housing
- Suitable for Dry/Damp (indoor) or Wet (outdoor) location types
- Wet Location Cylinders feature a Silicone Sealed Clear Glass Lens in a Gasketed Die-Cast Trim Ring to ensure unit is watertight
- Up/Down mounting option available in 11 inch height only
- Suitable for Dry/Damp (indoor) or Wet (outdoor) location types
- Includes a 4-3/4 inch W x 5-1/8 inch H optional Mounting Plate for use with larger Junction Boxes
- Up/Down Mount consists of dual Light Engines: one oriented down and one oriented up
- Standard Up/Down Luminaire construction uses identical LED Light Engines, Color Temperatures and Beams in both the Up and Down direction; consult factory if different Light Engines, Color Temperatures or Beam Spreads are required in each direction of an Up/Down Luminaire
- Battery Backup option powers only the down Light Engine; consult factory for alternate options

### Performance Summary

- Available in 12° Spot, 28° Medium, 39° Flood and 65° 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
- UL8750 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 Inch Indoor/Outdoor Round Cylinders

## PHOTOMETRICS

### CY3S33K12D1CS

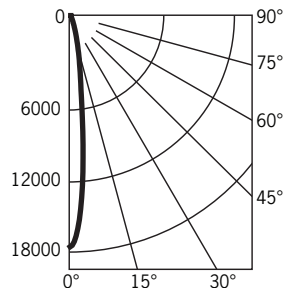
Fixture Delivered Lumens: 1459  
Total Watts@120V: 19.9  
Lumens Per Watt: 73.3  
Center Beam Candle Power: 17515  
Beam Distribution: 12°  
Spacing Criterion: 0.23  
Color Rendering Index (CRI)<sup>1</sup>: 83  
Color Temperature (CCT)<sup>2</sup>: 3131K

Designed for 50,000 Hour Lamp Life<sup>3</sup>  
LM-63 Test No. G16122001  
LM-79 Test No. 86373

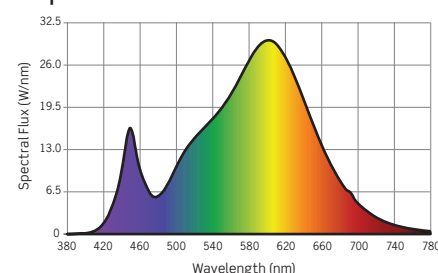
#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4 FT	1094.7	0.9
6 FT	486.5	1.3
8 FT	273.7	1.7
10 FT	175.2	2.1
12 FT	121.6	2.6
14 FT	89.4	3.0

#### Candela Curve



#### Spectral Power Distribution Chart<sup>4</sup>



### CY3S330K12D1CM

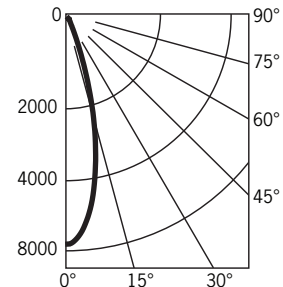
Fixture Delivered Lumens: 1800  
Total Watts@120V: 20  
Lumens Per Watt: 90  
Center Beam Candle Power: 7713  
Beam Distribution: 28°  
Spacing Criterion: 0.45  
Color Rendering Index (CRI)<sup>1</sup>: 83  
Color Temperature (CCT)<sup>2</sup>: 3106K

Designed for 50,000 Hour Lamp Life<sup>3</sup>  
LM-63 Test No. G16122002  
LM-79 Test No. 86374

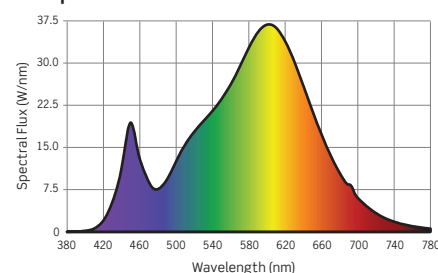
#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4 FT	482.1	2.0
6 FT	214.3	3.0
8 FT	120.5	4.0
10 FT	77.1	4.9
12 FT	53.6	5.9
14 FT	39.4	6.9

#### Candela Curve



#### Spectral Power Distribution Chart<sup>4</sup>



### CY3S330K12D1CF

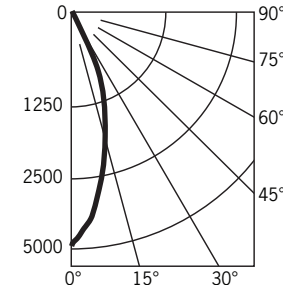
Fixture Delivered Lumens: 1853  
Total Watts@120V: 20  
Lumens Per Watt: 93  
Center Beam Candle Power: 4849  
Beam Distribution: 36°  
Spacing Criterion: 0.60  
Color Rendering Index (CRI)<sup>1</sup>: 83  
Color Temperature (CCT)<sup>2</sup>: 3114K

Designed for 50,000 Hour Lamp Life<sup>3</sup>  
LM-63 Test No. G16122003  
LM-79 Test No. 86375

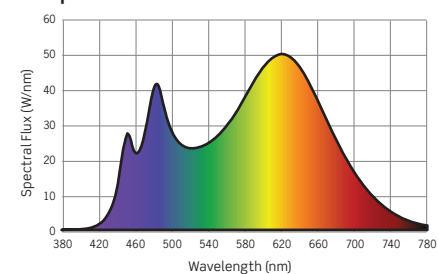
#### Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
4 FT	303.1	2.6
6 FT	134.7	3.9
8 FT	75.8	5.2
10 FT	48.5	6.5
12 FT	33.7	7.8
14 FT	24.7	9.0

#### Candela Curve



#### Spectral Power Distribution Chart<sup>4</sup>



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	0.935	0.703	0.59	0.78	0.94
3000K	N/A	0.754	0.59	0.78	0.94
3500K	1.0	0.812	0.59	0.78	0.94
4000K	1.0	0.870	0.59	0.78	0.94

DATE

PROJECT

TYPE

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

## PHOTOMETRICS

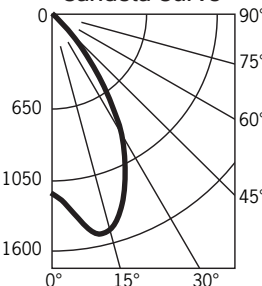
### CY3S330K12D1WWF

Fixture Delivered Lumens: 1697  
Total Watts@120V: 19.8  
Lumens Per Watt: 86.2  
Center Beam Candle Power: 1218  
Beam Distribution: 65°  
Spacing Criterion: 1.02  
Color Rendering Index (CRI)<sup>1</sup>: 83  
Color Temperature (CCT)<sup>2</sup>: 3131K  
Designed for 50,000 Hour Lamp Life<sup>3</sup>  
LM-63 Test No. G18021202  
LM-79 Test No. S18021301

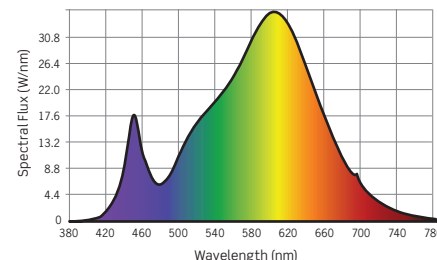
#### Intensity Distribution

DISTANCE (FT.)	FOOT CANDLES (FC)	BEAM DIAMETER (FT.)
4 FT	76.1	5.1
6 FT	33.8	7.7
8 FT	19.0	10.3
10 FT	12.2	12.8
12 FT	8.5	15.4
14 FT	6.2	18.0

#### Candela Curve



#### Spectral Power Distribution Chart<sup>4</sup>



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

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3000K	N/A	0.754	0.59	0.78	0.94
3500K	1.0	0.812	0.59	0.78	0.94
4000K	1.0	0.870	0.59	0.78	0.94

## BUG RATINGS

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

	REFLECTOR				
	SPOT	MEDIUM	FLOOD	WIDE FLOOD	WALL WASH <sup>1</sup>
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

## CY3 SERIES | 3-1/2 Inch Indoor/Outdoor Round 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 HiLume and EcoSystem Drivers provide continuous dimming from 1%-100%. For a complete list of compatible dimmers and controls, please visit [www.lutron.com](http://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	Faedia	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

### NOTES

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.