



ConTech

DATE

PROJECT

TYPE

CATALOG NO.

CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Rigid Stem Pendant Mount



Nominal Weight:
5.5Lbs



cCSAus Listed



Damp Location



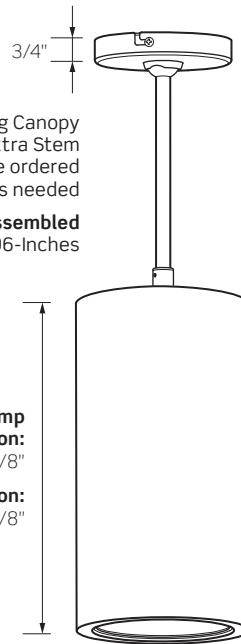
Wet Location



E-STAR® Certified

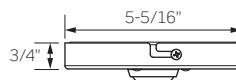
Includes Slope Ceiling Canopy
and 6-inch Stem; extra Stem
lengths must be ordered
separately as needed

**Maximum Assembled
Stem Length:** 96-Inches



*For Outdoor Installations, edge of
Canopy must be caulked in the
field, caulk supplied with fixture*

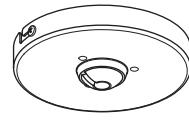
Slope Ceiling Canopy:
Indoor/Outdoor



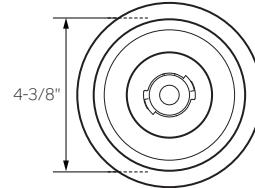
Canopy Top View



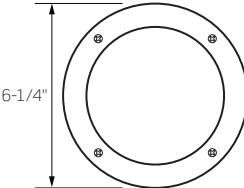
Canopy Bottom View



Cylinder Bottom View: Indoor



Cylinder Bottom View: Outdoor



	CYL61	CYL62	CYL63	CYL64	CYL65	CYL66
WATTAGE	10W	14W	20W	28W	36W	43W
LUMEN OUTPUT ¹	1220Lm	1685Lm	2300Lm	3100Lm	3850Lm	4350Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K					
CRI	83 (80min) / 90+					
REFLECTOR BEAM	36° / 54° / 63° / 80° / Wall Wash / Pencil Beam					
REFLECTOR FINISHES	Clear Alzak (Narrow, Medium, Wide) / Platinum (Medium)					
CYLINDER FINISHES	Matte Black / Satin Bronze / Matte White / Matte Silver / Custom Colors Available					
DRIVER INPUT WATTAGE	10W	14W	20W	28W	36W	43W
INPUT CURRENT (A) 120V/277V	.08/.04	.12/.06	.17/.08	.23/.11	.31/.14	.36/.16
INPUT VOLTAGE/DIMMING TYPE						
Standard Driver (Phase/0-10V)	120VAC/277VAC/347VAC, 50/60Hz					
Lutron Eco-System® Driver	120VAC/277VAC, 50/60Hz				N/A	N/A
eldoLED ECOdrive/SOLOdrive	120VAC/277VAC, 50/60Hz					
DIMMING RANGE						
Standard Driver (Phase/0-10V)	10-100%					
Lutron Eco-System® Driver	1-100%					
eldoLED ECOdrive/SOLOdrive	0.1-100%					
DRIVER POWER FACTOR	> 0.90					
TOTAL HARMONIC DISTORTION	< 20%					
LISTINGS	cCSAus Certified for use in the U.S. and Canada; Suitable for Damp/Dry or Wet locations Wet Location Models have a Silicone Sealed Clear Glass Lens in a Gasketed Die-Cast Trim Ring to ensure unit is watertight ENERGY STAR® Certified; Pencil Beam and Wall Wash options are not ENERGY STAR® Certified All models must be installed per specific product installation instructions and all appropriate National Electrical Codes					
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

CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Rigid Stem Pendant Mount

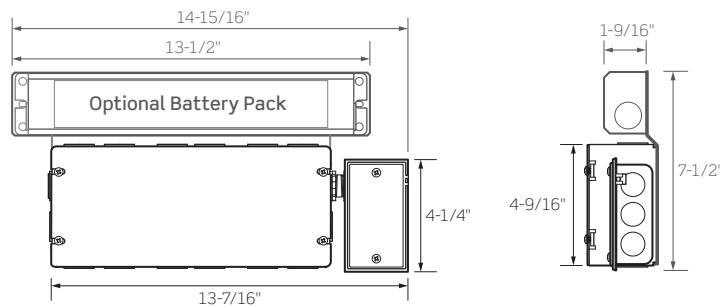
ORDERING INFORMATION

Example Order: CYL6127KMVD4PXNCLR-BZ

Cylinder	CCT/CRI	Driver/Dimming	Mounting	Mntg Location	Reflector
CYL61 10W/1220lm	83 (80min) CRI	MVD 120V-277V Forward/Reverse Phase/0-10V Dimming	P³ Rigid Stem Pendant	Leave Blank for Interior Dry/Damp Locations	Clear Alzak
CYL62 14W/1685lm	27K 2700K	34D2 347V 0-10V Dimming	X Exterior Wet Locations	NCLR 36° Narrow	
CYL63 20W/2300lm	30K 3000K	MVD4² Lutron Hi-lume 1% EcoSystem Driver with Soft-on, Fade-to-Black		MCLR 54° Medium	
CYL64 28W/3100lm	35K 3500K	MVD6 eldoLED ECODrive 0-10V, 1% Dimming		WCLR 80° Wide	
CYL65 36W/3850lm	40K 4000K	MVD7 eldoLED ECODrive DALI, 1% Dimming		PL 63° Platinum	
CYL66 43W/4350lm	90 CRI 27KC 2700K 30KC 3000K 35KC 3500K 40KC 4000K	MVD8 eldoLED SOLODrive 0-10V, 0.1% Dimming		WW Wall Wash	
		MVD9 eldoLED SOLODrive DALI, 0.1% Dimming		PB⁴ Pencil Beam	
		MDMX eldoLED POWERdrive DMX <1% Dimming			

Finish
B Matte Black
BZ Satin Bronze
P Matte White
S Matte Silver
CC⁵ Custom Color

Battery and Remote Enclosure ⁶
None, Leave Blank
RDB⁷ Remote Driver & Battery Pack
RD⁷ Remote Driver Enclosure



2. Lutron Dimming Option MVD4 Hi-lume 1% EcoSystem LED Driver is available for CYL61 through CYL64 luminaires only (10W through 28W); not available for use with CYL65 or CYL66 (36W or 43W) Luminaires
3. Includes Slope Ceiling Canopy (up to 45°) and 6-Inch Stem; extra stem lengths must be ordered separately as needed. Maximum Stem Length: 96-Inches/8 Ft
4. Pencil Beam (PB) Optic limited to Exterior Mount ("X" Mounting option) locations
5. Custom finish colors available; consult factory for pricing, minimum order quantities and lead time
6. For Wet Location Cylinders ordered with RD/RDB Remote Enclosures, the RD/RDB Enclosure **must** be mounted in Dry/Damp Locations and the Cylinder Luminaire may be mounted in Wet Locations
7. RDB and RD Options cannot be used with Lutron Hi-lume Dimming (MVD4 Option) in CYL65 or CYL66 (36W or 43W) Luminaires

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

RD: Remote Driver Enclosure

RIGID STEM ORDERING INFORMATION

Maximum Standard Pendant Drop:

96-Inches/8 Feet; Consult factory if longer drop is needed

Stems for RS Mounting
6" STEM(A) 6 In Stem
12" STEM(A) 12 In Stem
18" STEM(A) 18 In Stem
24" STEM(A) 24 In Stem
30" STEM(A) 30 In Stem
36" STEM(A) 36 In Stem
48" STEM(A) 48 In Stem
COUPLING Stem Coupling

Finish
B Matte Black
BZ Satin Bronze
P Matte White
S Matte Silver
CC⁵ Custom Color

DRIVER AVAILABILITY MATRIX

Highest wattage option for each Driver/Dimmer type that will fit inside the luminaire; Driver sizes that do not fit inside the luminaire may be ordered with a Remote Driver Housing (RD), unless otherwise noted with additional restrictions.

Driver/Dimming	Max Wattage
MVD: 120V-277V Forward/Reverse Phase	Any Wattage
MVD4²: Lutron Hi-lume 1% EcoSystem	Up to 28W / CYL64
MVD6: eldoLED ECODrive 0-10V	Up to 36W / CYL65
MVD7: eldoLED ECODrive DALI	Up to 36W / CYL65
MVD8: eldoLED SOLODrive 0-10V	Up to 36W / CYL65
MVD9: eldoLED SOLODrive DALI	Up to 36W / CYL65
MDMX: eldoLED POWERdrive DMX	N/A
34D2: 347V 0-10V	Any Wattage

CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Rigid Stem Pendant Mount

PRODUCT SPECIFICATIONS

CONSTRUCTION

- Specification Grade 6-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
- Hang Support/Tether for hands-free wiring
- Includes Sloped Ceiling Canopy (up to 45°) and 6-inch Stem; extra stem lengths must be ordered separately as needed
- Maximum Pendant Drop: 96-Inches/8 Feet
- Stem Thread: 1/4-18NPS
- For Outdoor Installations, the edge of the Canopy must be caulked in the field to ensure unit is watertight; caulk is supplied with the luminaire

PERFORMANCE SUMMARY

- Clear Alzak Reflector is available in 36° Narrow, 54° Medium and 80° Wide beam distributions
- Platinum Reflector is available in a 63° Medium beam distribution
- Wall Wash and Pencil Beam Optic accessories are also available
- Select from 2700K, 3000K, 3500K and 4000K Color Temperatures; CRI of 80 min., 83 typical; high CRI of 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
- CYL6 Cylinders are available for non-dimming and dimming applications; for dimmer compatibility, refer to Dimming Specification sheet

BUG RATINGS

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

REFLECTOR

	NARROW	MEDIUM	WIDE	PLATINUM	WALL WASH ⁷	PENCIL BEAM
10W	B1 U0 G0	B1 U0 G0	B1 U0 G1	B1 U0 G1	B0 U0 G0	B0 U0 G0
14W	B1 U0 G0	B2 U0 G0	B2 U0 G0	B2 U0 G0	B0 U0 G0	B0 U0 G0
20W	B1 U0 G0	B2 U0 G0	B2 U0 G0	B2 U0 G0	B0 U0 G0	B0 U0 G0
28W	B1 U0 G0	B2 U0 G0	B2 U0 G0	B2 U0 G0	B0 U0 G0	B0 U0 G0
36W	B2 U0 G0	B3 U0 G0	B3 U0 G1	B3 U0 G1	B1 U0 G0	B0 U0 G0
43W	B2 U0 G0	B3 U0 G0	B3 U0 G1	B3 U0 G1	B1 U0 G0	B0 U0 G0

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

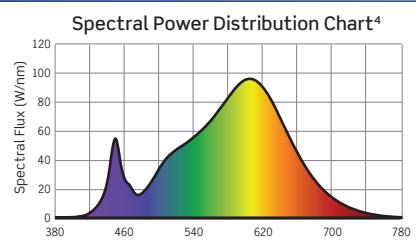
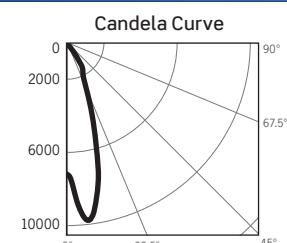
CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Photometry

CYL6630K MVDCNCLR: 3000K CLEAR NARROW

LM-63 Test No. G21080504; LM-79 Test No. S21081101

Fixture Delivered Lumens: 4301.9
 Total Watts@120V: 42.3
 Lumens Per Watt: 101.7
 Center Beam Candle Power: 7111
 Beam Distribution: 35.7°
 Spacing Criterion: 0.64
 Color Rendering Index (CRI)¹: 83.6
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	444.5	2.6
6 FT	197.5	3.9
8 FT	111.1	5.1
10 FT	71.1	6.4
12 FT	49.4	7.7
14 FT	36.3	9.0

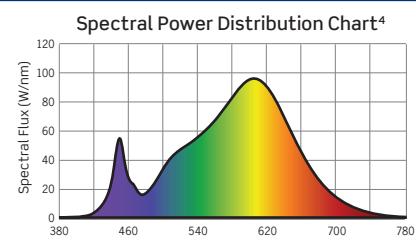
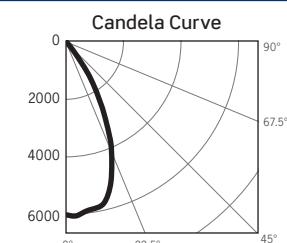


CYL6630K MVDCMCLR: 3000K CLEAR MEDIUM

LM-63 Test No. G21080502; LM-79 Test No. S21081101

Fixture Delivered Lumens: 4348.9
 Total Watts@120V: 42.3
 Lumens Per Watt: 102.8
 Center Beam Candle Power: 6032
 Beam Distribution: 53.3°
 Spacing Criterion: 0.80
 Color Rendering Index (CRI)¹: 83.6
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	377.0	4.0
6 FT	167.6	6.0
8 FT	94.2	8.0
10 FT	60.3	10.1
12 FT	41.9	12.1
14 FT	30.8	14.1

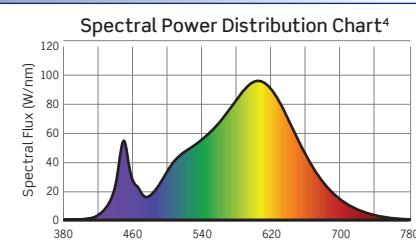
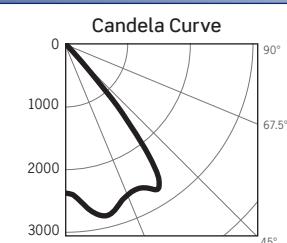


CYL6630K MVDCWCLR: 3000K CLEAR WIDE

LM-63 Test No. G21080601; LM-79 Test No. S21081101

Fixture Delivered Lumens: 4153.7
 Total Watts@120V: 42.3
 Lumens Per Watt: 98.2
 Center Beam Candle Power: 2367
 Beam Distribution: 79.9°
 Spacing Criterion: 1.20
 Color Rendering Index (CRI)¹: 83.6
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	147.9	6.7
6 FT	65.7	10.1
8 FT	37.0	13.4
10 FT	23.7	16.8
12 FT	16.4	20.1
14 FT	12.1	23.5



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 MULTIPLIERS		
CCT	STANDARD CRI	HIGH (90+) CRI
2700K	0.94	0.70
3000K	1.00	0.75
3500K	1.00	0.81
4000K	1.00	0.87

OUTPUT MULTIPLIERS				
10W SERIES 1	14W SERIES 2	20W SERIES 3	28W SERIES 4	36W SERIES 5
0.28	0.39	0.53	0.72	0.89



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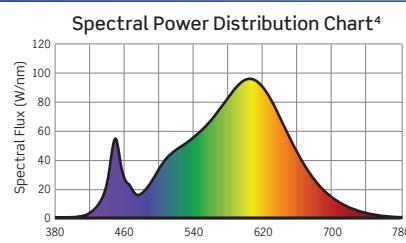
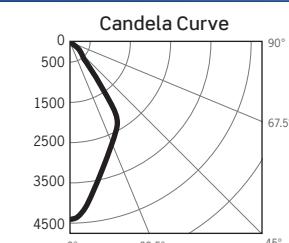
CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Photometry

CYL6630K MVDCPL: 3000K MEDIUM PLATINUM

LM-63 Test No. G21080602; LM-79 Test No. S21081101

Fixture Delivered Lumens: 3801.8
 Total Watts@120V: 42.3
 Lumens Per Watt: 89.9
 Center Beam Candle Power: 4413
 Beam Distribution: 63.0°
 Spacing Criterion: 0.93
 Color Rendering Index (CRI)¹: 83.6
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	275.8	4.9
6 FT	122.6	7.4
8 FT	69.0	9.8
10 FT	44.1	12.2
12 FT	30.6	14.7
14 FT	22.5	17.1

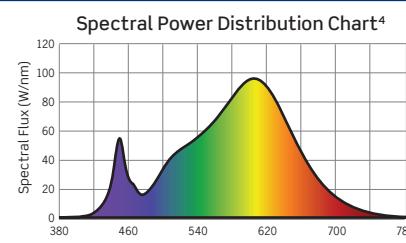
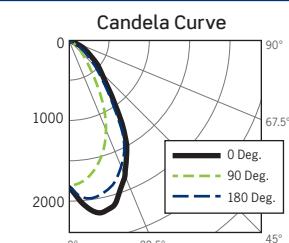


CYL6630K MVDCWW: 3000K WALL WASH

LM-63 Test No. G210806.3; LM-79 Test No. S21081101

Fixture Delivered Lumens: 1900.3
 Total Watts@120V: 42.0
 Lumens Per Watt: 45.2
 Center Beam Candle Power: 1820
 Beam Distribution: Wall Wash
 Spacing Criterion: 0.83
 Color Rendering Index (CRI)¹: 83.6
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	113.8	3.8
6 FT	50.6	5.7
8 FT	28.4	7.7
10 FT	18.2	9.6
12 FT	12.6	11.5
14 FT	9.3	13.4

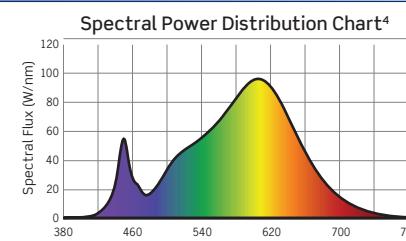
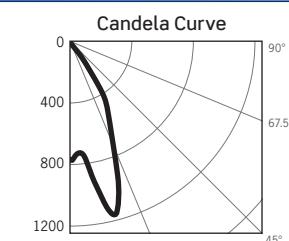


CYL6630K MVDCXPB: 3000K PENCIL BEAM

LM-63 Test No. G21080901; LM-79 Test No. S21081101

Fixture Delivered Lumens: 291.2
 Total Watts@120V: 42.0
 Lumens Per Watt: 6.9
 Center Beam Candle Power: 766
 Beam Distribution: 9°
 Spacing Criterion: 0.94
 Color Rendering Index (CRI)¹: 83.6
 Color Temperature (CCT)²: 3086K
 Designed for 50,000 Hour Lamp Life³

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	47.9	3.5
6 FT	21.3	5.3
8 FT	12.0	7.1
10 FT	7.7	8.8
12 FT	5.3	10.6
14 FT	3.9	12.4



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:

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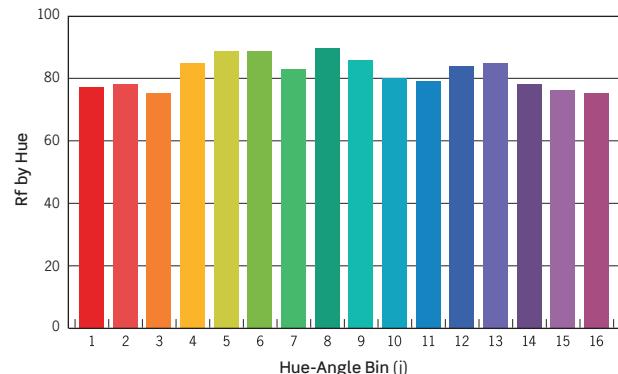
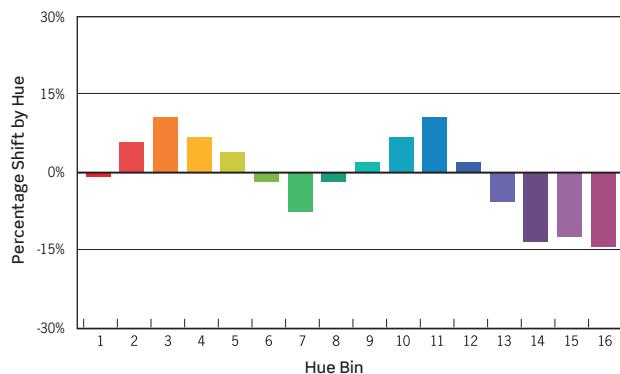
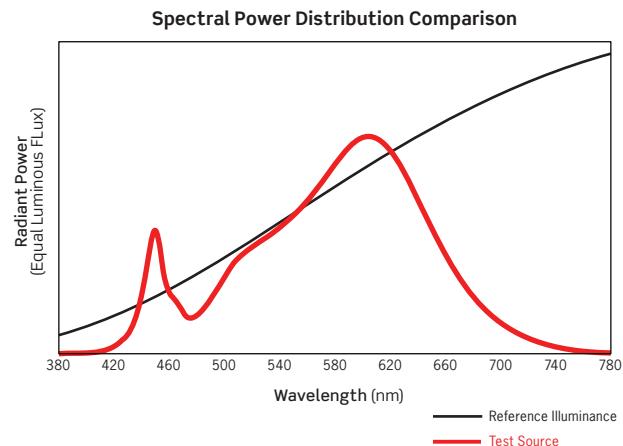
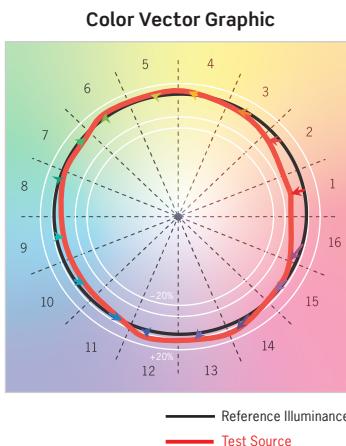
OUTPUT MULTIPLIERS				
10W SERIES 1	14W SERIES 2	20W SERIES 3	28W SERIES 4	36W SERIES 5
0.28	0.39	0.53	0.72	0.89

CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Photometry

TM-30 DATA for CYL6630K MVDCMCLR: 3000K, CLEAR MEDIUM

ANSI/IES TM-30-18 Color Rendition Report Test No. S21081101

R _f	86
R _g	97
CCT(K)	3086K
D _{uv}	0.0017
u ^I	0.2470
v ^I	0.5220



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	-1%	6%	10%	7%	4%	-2%	-7%	-2%	2%	7%	11%	2%	-6%	-14%	-13%	-15%
R _f VALUE	81	83	80	89	93	93	88	94	91	84	83	88	89	82	80	80

Colors are for visual orientation purposes only

CYL6 SERIES | 6-Inch Round Indoor/Outdoor Cylinders: Dimming Specifications

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 (2) low voltage dimming wires that are separate from the 120V or 277V AC power. The Dimmer sends a variable output voltage to the luminaire 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 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
- Use DALI approved controls for dimming option MVD7 (eldoLED ECODrive, 1%–100%) and MVD9 (eldoLED SOLOdrive, 0.1%–100%) options.

			MVD Dimming Option 120V-277V Phase ⁷ /0-10V Dimming	MVD6 Dimming Option 120V-277V eldoLED ECODrive 0-10V, 1% Dimming	MVD8 Dimming Option 120V-277V eldoLED SOLOdrive 0-10V, 0.1% Dimming
Manufacturer	Product	Model	Light Output	Light Output	Light Output
Leviton	IllumaTech	IPI06-1LZ	1%-100%	N/A	N/A
Leviton	SureSlide	6631-2	1%-100%	N/A	N/A
Leviton	Vizia	VPE06	9%-100%	N/A	N/A
Leviton	Trimatron	6683-IW	6%-100%	N/A	N/A
Leviton	Decora	6161	15%-100%	N/A	N/A
Leviton	SureSlide	6633-P	1%-100%	N/A	N/A
Leviton	IllumaTech	IPE04	6%-100%	N/A	N/A
Leviton	IllumaTech	IP710-DLX	N/A	1%-100%	0.1%-100%
Cooper	Devine	DLC03P	1%-100%	N/A	N/A
Cooper	Skye	SLC03P	0%-100%	N/A	N/A
Cooper	Decorator	DAL06P	0%-100%	N/A	N/A
Pass & Seymour	Titan	CD4FB-W	N/A	1%-100%	0.1%-100%
Synergy		ISD BC	N/A	1%-100%	0.1%-100%
Watt Stopper	Miro Decorator	DCLV1	N/A	1%-100%	0.1%-100%
Lutron	Ariadni	TGCL-153P	1%-100%	N/A	N/A
Lutron	Ariadni	TG-600P	13%-100%	N/A	N/A
Lutron	Diva	DVCL-153P	1%-100%	N/A	N/A
Lutron	Diva	DV600P	6%-100%	N/A	N/A
Lutron	Diva	DVELV303P	6%-100%	N/A	N/A
Lutron	Diva	DVT	N/A	1%-100%	0.1%-100%
Lutron	Faedra	FAELV500	12%-100%	N/A	N/A
Lutron	Lumea	LG600P	8%-100%	N/A	N/A
Lutron	Maestro	MAELV600	16%-100%	N/A	N/A
Lutron	Nova	NFTV	N/A	1%-100%	0.1%-100%
Lutron	Nova T	NTFTV	N/A	1%-100%	0.1%-100%
Lutron	Skylark	S-603PG	5%-96%	N/A	N/A
Lutron	Skylark	S600P	5%-100%	N/A	N/A
Lutron	Skylark	SELV300P	10%-100%	N/A	N/A
Lutron	Skylark	CT103P	9%-100%	N/A	N/A

7. 277V Phase Dimming is not available

NOTES

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