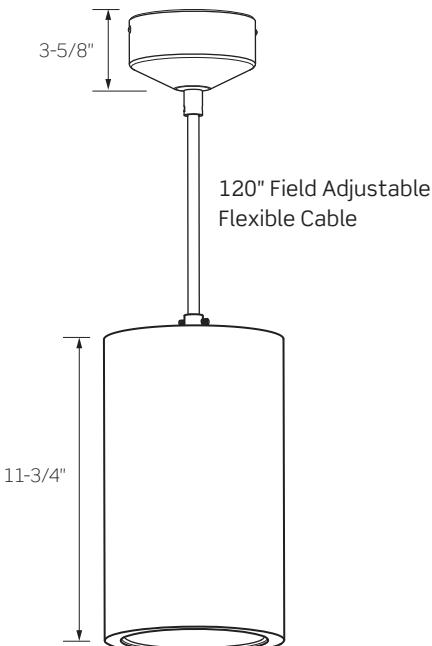


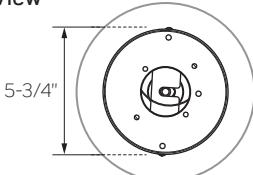
## CYL8 SERIES | 8-Inch Round Indoor Cylinders: Flexible Cable Pendant Mount



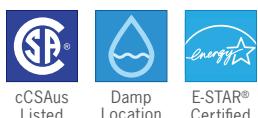
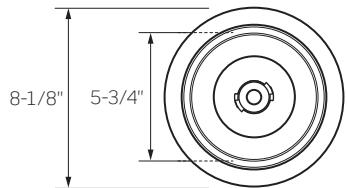
**Nominal Weight:**  
8 Lbs



Top View



Bottom View



cCSAus Listed   Damp Location   E-STAR® Certified

	CYL81	CYL82	CYL83	CYL84	CYL85	CYL86
WATTAGE	10W	14W	20W	28W	36W	43W
LUMEN OUTPUT <sup>1</sup>	1246Lm	1736Lm	2359Lm	3204Lm	3961Lm	4450Lm
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K					
CRI	83 (80min) / 90+					
REFLECTOR BEAM	34° / 66° / 69° / 75° / Wall Wash					
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 locations ENERGY STAR® Certified; Wall Wash option is 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

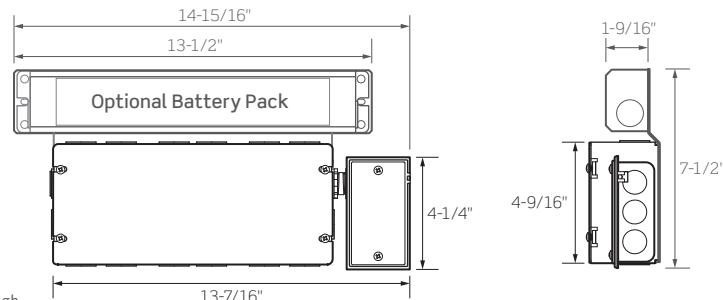
## CYL8 SERIES | 8-Inch Round Indoor Cylinders: Flexible Cable Pendant Mount

### ORDERING INFORMATION

Example Order: CYL8127KMVD4CXNCLR-BZ

Cylinder	CCT/CRI	Driver/Dimming	Mounting	Reflector	Finish
<b>CYL81</b> 10W/1246lm	83 (80min) CRI	Driver Availability Matrix Below			
<b>CYL82</b> 14W/1736lm	<b>27K</b> 2700K	<b>MVD</b> 120V-277V Forward/Reverse Phase / 0-10V Dimming	<b>FC</b> Flexible Cable Canopy Mount	<b>Clear Alzak</b>	<b>B</b> Matte Black
<b>CYL83</b> 20W/2359lm	<b>30K</b> 3000K	<b>34D2</b> 347V 0-10V Dimming		<b>NCLR</b> 34° Narrow	<b>BZ</b> Satin Bronze
<b>CYL84</b> 28W/3204lm	<b>35K</b> 3500K	<b>MVD4<sup>2</sup></b> Lutron Hi-lume 1% EcoSystem Driver with Soft-on, Fade-to-Black		<b>MCLR</b> 66° Medium	<b>P</b> Matte White
<b>CYL85</b> 36W/3961lm	<b>40K</b> 4000K	<b>MVD6</b> eldoLED ECOdrive 0-10V, 1% Dimming		<b>WCLR</b> 75° Wide	<b>S</b> Matte Silver
<b>CYL86</b> 43W/4450lm	<b>90 CRI</b>	<b>MVD7</b> eldoLED ECOdrive DALI, 1% Dimming			<b>CC<sup>3</sup></b> Custom Color
	<b>27KC</b> 2700K	<b>MVD8</b> eldoLED SOLOdrive 0-10V, 0.1% Dimming		<b>PL</b> 69° Platinum	
	<b>30KC</b> 3000K	<b>MVD9</b> eldoLED SOLOdrive DALI, 0.1% Dimming		<b>WW</b> Wall Wash	
	<b>35KC</b> 3500K	<b>MDMX</b> eldoLED POWERdrive DMX <1% Dimming			
	<b>40KC</b> 4000K				

Battery and Remote Enclosure <sup>4</sup>	
None, Leave Blank	
<b>RDB<sup>5</sup></b> Remote Driver & Battery Pack	
<b>RD<sup>5</sup></b> Remote Driver Enclosure	



2. Lutron Dimming Option MVD4 Hi-lume 1% EcoSystem LED Driver is available for CYL81 through CYL84 luminaires only (10W through 28W; not available for use with CYL85 or CYL86 (36W or 43W) Luminaires)
3. Custom finish colors available; consult factory for pricing, minimum order quantities and lead time
4. For Wet Location Cylinders ordered with RD/RDB Remote Enclosures, the RD/RDB Enclosure **must** be mounted in Dry/Damp Locations
5. RDB and RD Options cannot be used with Lutron Hi-lume Dimming (MVD4 Option) in CYL85 or CYL86 (36W or 43W) Luminaires

### 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	Driver/Dimming	Max Wattage
<b>MVD:</b> 120V-277V Forward/Reverse Phase	Any Wattage	<b>MVD8:</b> eldoLED SOLOdrive 0-10V	Up to 36W / CYL85
<b>MVD4<sup>2</sup>:</b> Lutron Hi-lume 1% EcoSystem	Up to 28W / CYL84	<b>MVD9:</b> eldoLED SOLOdrive DALI	Up to 36W / CYL85
<b>MVD6:</b> eldoLED ECOdrive 0-10V	Up to 36W / CYL85	<b>MDMX:</b> eldoLED POWERdrive DMX	N/A
<b>MVD7:</b> eldoLED ECOdrive DALI	Up to 36W / CYL85	<b>34D2:</b> 347V 0-10V	Any Wattage

### BUG RATINGS

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

#### REFLECTOR

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

## CYL8 SERIES | 8-Inch Round Indoor Cylinders: Flexible Cable Pendant Mount

### PRODUCT SPECIFICATIONS

#### CONSTRUCTION

- Specification Grade 8-inch diameter aluminum housing; suitable for Dry/Damp (indoor) location types
- 16 Gauge Steel Driver Canopy
- Includes 120-inches of Field Adjustable 18/3 SJTOW Cable
- Black Flexible Cable with Black or Bronze Cylinders, White Flexible Cable with White Cylinders and Gray Flexible Cable with Silver Cylinders

#### PERFORMANCE SUMMARY

- Clear Alzak Reflector is available in 34° Narrow, 66° Medium and 75° Wide beam distributions
- Platinum Reflector is available in a 69° Medium beam distribution
- Wall Wash Optic 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
- CYL8 Cylinders are available for non-dimming and dimming applications; for dimmer compatibility, see below

### DIMMING SPECIFICATIONS

Manufacturer	Product	Model	MVD Dimming Option	MVD6 Dimming Option	MVD8 Dimming Option
			120V-277V Phase <sup>7</sup> /0-10V Dimming	120V-277V eldoLED ECOdrive 0-10V, 1% Dimming	120V-277V eldoLED SOLOdrive 0-10V, 0.1% Dimming
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	IP04	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

- Incandescent 120VAC Dimmers adjust the light with forward phase control, no neutral wire connection required
- Electronic Low Voltage 120VAC Dimmers adjust the light with reverse phase control, 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. Switching on/off is controlled with the Line Voltage Power Input (120V or 277V AC) to the Dimmer, 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 (2) Low Voltage Control Wires - a violet and a pink (or gray).
- Lutron 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)
- Use DALI approved Controls for dimming options MVD7 (eldoLED ECOdrive) and MVD9 (eldoLED SOLOdrive)

**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.



ConTech

DATE

PROJECT

TYPE

CATALOG NO.

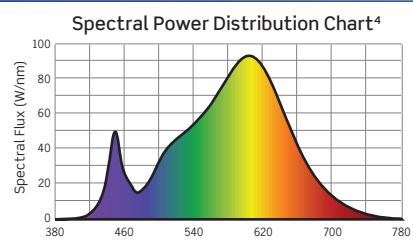
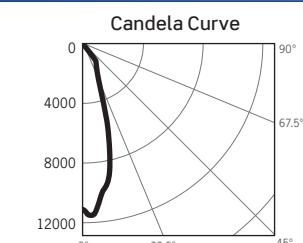
## CYL8 SERIES | 8-Inch Round Indoor/Outdoor Cylinders: Photometry

### CYL8630K MVDCNCLR: 3000K CLEAR NARROW

LM-63 Test No. G21080903; LM-79 Test No. S21081102

Fixture Delivered Lumens: 4450.1  
 Total Watts@120V: 42.2  
 Lumens Per Watt: 105.5  
 Center Beam Candle Power: 11108  
 Beam Distribution: 32.4°  
 Spacing Criterion: 0.53  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3079K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	694.2	2.3
6 FT	308.6	3.5
8 FT	173.6	4.7
10 FT	111.1	5.8
12 FT	77.1	7.0
14 FT	56.7	8.1

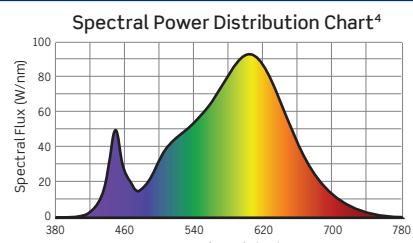
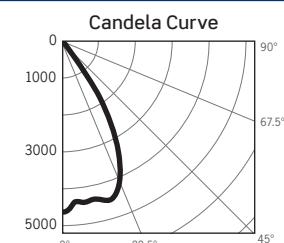


### CYL8630K MVDCMCLR: 3000K CLEAR MEDIUM

LM-63 Test No. G21080902; LM-79 Test No. S21081102

Fixture Delivered Lumens: 4336.5  
 Total Watts@120V: 42.2  
 Lumens Per Watt: 102.8  
 Center Beam Candle Power: 4641  
 Beam Distribution: 63.4°  
 Spacing Criterion: 0.93  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3079K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	290.1	5.0
6 FT	128.9	7.4
8 FT	72.5	9.9
10 FT	46.4	12.4
12 FT	32.2	15.0
14 FT	23.7	17.3

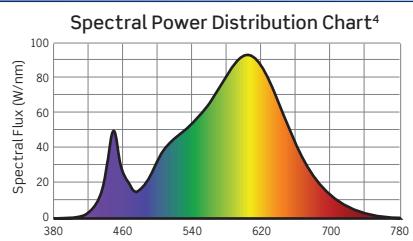
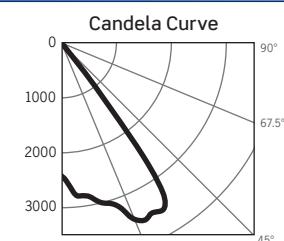


### CYL8630K MVDCWCLR: 3000K CLEAR WIDE

LM-63 Test No. G21080904; LM-79 Test No. S21081102

Fixture Delivered Lumens: 4417.0  
 Total Watts@120V: 42.2  
 Lumens Per Watt: 104.7  
 Center Beam Candle Power: 2409  
 Beam Distribution: 79.8°  
 Spacing Criterion: 1.10  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3079K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	150.6	6.0
6 FT	66.9	9.1
8 FT	37.6	12.1
10 FT	24.1	15.1
12 FT	16.7	18.1
14 FT	12.3	21.1



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

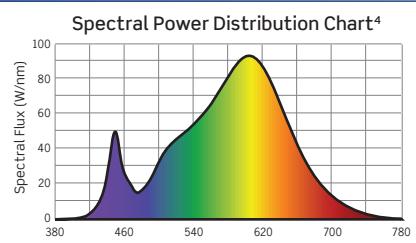
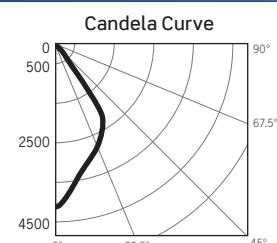
## CYL8 SERIES | 8-Inch Round Indoor/Outdoor Cylinders: Photometry

### CYL8630K MVDCPL: 3000K MEDIUM PLATINUM

LM-63 Test No. G21080905; LM-79 Test No. S21081102

Fixture Delivered Lumens: 3891.4  
 Total Watts@120V: 42.2  
 Lumens Per Watt: 92.2  
 Center Beam Candle Power: 4116  
 Beam Distribution: 68.4°  
 Spacing Criterion: 0.99  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3079K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	257.2	5.4
6 FT	114.3	8.2
8 FT	64.3	10.9
10 FT	41.2	13.6
12 FT	28.6	16.3
14 FT	21.0	19.0

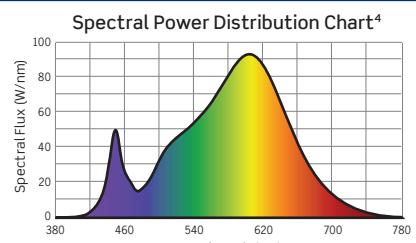
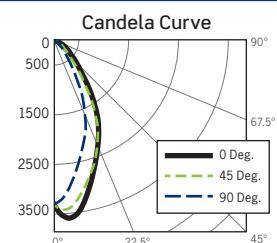


### CYL8630K MVDCWW: 3000K WALL WASH

LM-63 Test No. G21081001; LM-79 Test No. S21081102

Fixture Delivered Lumens: 2512.5  
 Total Watts@120V: 42.4  
 Lumens Per Watt: 59.3  
 Center Beam Candle Power: 3297  
 Beam Distribution: 41.4° x 44.6°  
 Spacing Criterion: 0.65  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3079K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	206.1	3.1
6 FT	91.6	4.7
8 FT	51.5	6.2
10 FT	33.0	7.8
12 FT	22.9	9.3
14 FT	16.8	10.9

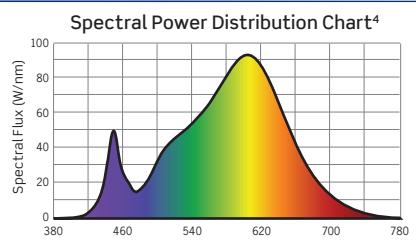
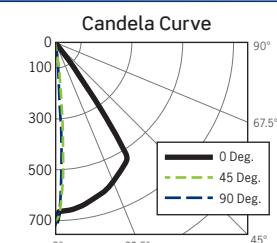


### CYL8630K MVDCXPB: 3000K PENCIL BEAM

LM-63 Test No. G21080904; LM-79 Test No. S21081102

Fixture Delivered Lumens: 95.2  
 Total Watts@120V: 42.4  
 Lumens Per Watt: 2.25  
 Center Beam Candle Power: 844  
 Beam Distribution: 6.8° x 56.0°  
 Spacing Criterion: 1.0  
 Color Rendering Index (CRI)<sup>1</sup>: 83.3  
 Color Temperature (CCT)<sup>2</sup>: 3079K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>

Intensity Distribution		
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIA. (FT.)
4 FT	52.7	3.8
6 FT	23.4	5.8
8 FT	13.2	7.7
10 FT	8.4	9.6
12 FT	5.9	11.5
14 FT	4.3	13.4



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:

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

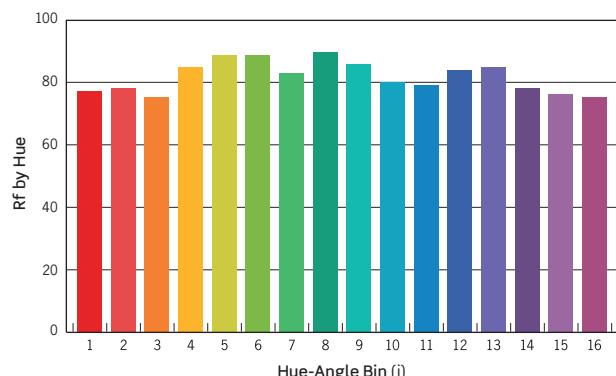
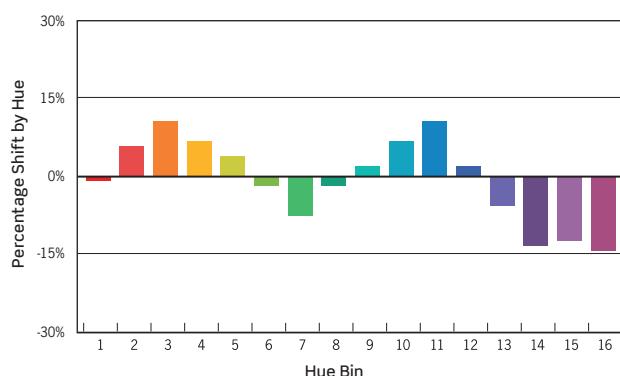
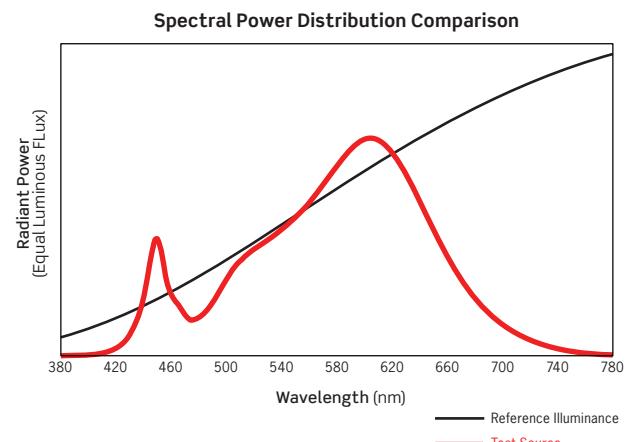
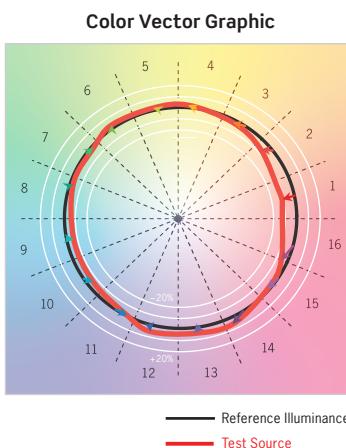
OUTPUT MULTIPLIERS				
10W SERIES 1	14W SERIES 2	20W SERIES 3	28W SERIES 4	36W SERIES 5
0.28	0.39	0.53	0.72	0.89

## CYL8 SERIES | 8-Inch Round Indoor/Outdoor Cylinders: Photometry

### TM-30 DATA for CYL8630K MVDCMCLR: 3000K, CLEAR MEDIUM

ANSI/IES TM-30-18 Color Rendition Report Test No. S21081102

R <sub>f</sub>	86
R <sub>g</sub>	96
CCT(K)	3079K
D <sub>uv</sub>	0.0019
u <sup>I</sup>	0.2472
v <sup>I</sup>	0.5224



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 <sub>f</sub> VALUE	81	82	79	89	93	93	87	94	90	84	83	88	89	82	80	80

Colors are for visual orientation purposes only