



6" LED Cylinder LCC6LED

120 - 277V
0-10V Dimming
1000-1800 Lumens

APPLICATIONS:

LiteForms™ LCC6LED Series is a 6" commercial grade LED cylinder with available outputs between 1000-1800 lumens. This is suitable to replace most indoor/outdoor CFL cylinder applications in a variety of commercial, retail, and institutional spaces to achieve wide distribution illumination patterns on vertical walls or columns while realizing substantial energy and maintenance savings. Rated for a minimum of 50,000 hrs life (70% lumen maintenance) with ambient temperatures up to 30°C (86°F) during operation.

HOUSING:

Seamless heavy gauge extruded aluminum cylinder body with durable powder coat paint finish and die cast aluminum canopy arm (wall mount) in a variety of architectural colors including Prescolite's exclusive Zet, metallic silver.

REFLECTOR:

High purity spun aluminum self-flanged reflector with iridescence suppressed Alzak semi-diffuse anodized (standard) or optional white or black painted finish.

LED LIGHT ENGINE:

The LCC6LED light engines apply mid power Nichia LEDs, specifically mixed to provide a minimum of 80 CRI or 90 CRI with 3 SDCM color consistency. The use of multiple mid power LEDs allows for optimal thermal management by effectively spreading the heat over a larger area, eliminating hot spots. A diffuse yet highly transmissive lens obscures the view of the LEDs and creates a smooth, even look from below.

The light engine is available in multiple lumen packages and Kelvin temperatures to accommodate any design requirement. The system is designed to provide optimal life and lumen maintenance (50,000 hrs at 70% lumen maintenance). The reflector/light engine assembly features a torsion spring installation for mechanical retention to the cylinder housing.

LED DRIVER:

The LCC6LED is offered standard with a 25-watt constant current Osram LED driver with 0-10V flicker free dimming to 10%. Other driver options are available including Osram LED 0-10V dimming to 1% (DM1), Lutron EcoSystem dimming to 1% (EDM), or Lutron 2-wire Leading Edge dimming to 1% (120V only). All options are Class 2 compliant, have inherent short-circuit and overload protection, and meet UL 8750 with a 50,000 hour minimum anticipated life.

INSTALLATION:

Available cylinder mounting options include wall mount, ceiling/surface mount, pendant stem mount, and cord mount. Each mounting has a quick connect feature that allows easy access for future technology upgrades.

CERTIFICATIONS:

CSA certified to US and Canadian safety standards. Wall mount suitable for wet location. Surface and Pendant suitable for wet location under canopy/covered ceilings only. Cord mount and all Wall Wash suitable for damp locations.

WARRANTY:

5 Year Warranty. See www.prescolite.com for details.

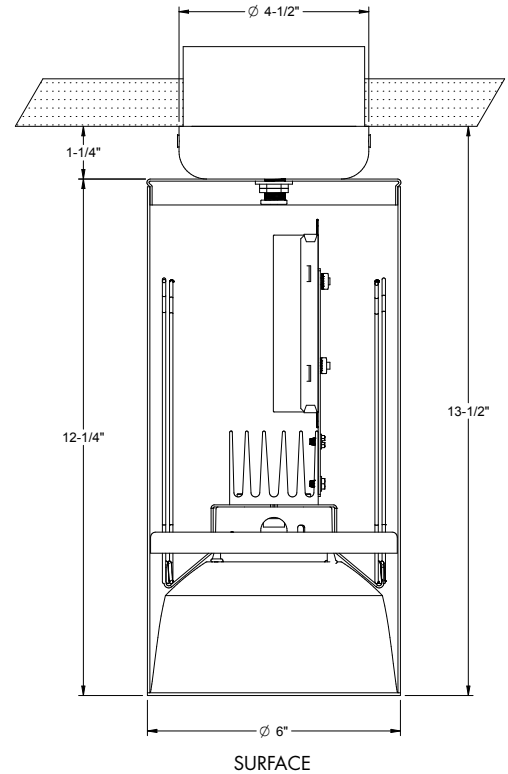
DATE: _____ TYPE: _____

FIRM NAME: _____

PROJECT: _____

LiteForms®

For conversion to millimeters,
multiply inches by 25.4
Not to Scale



Pendant, wall, and cord mount line art on page 4.

CATALOG NUMBER:

EXAMPLE: LCC6LEDP18L35K8WFL45 WH

CYLINDER	MOUNTING	OUTPUT	LED COLOR TEMP	CRI	VOLTAGE	OPTIONS	BEAM	REFLECTOR FINISH	REFLECTOR COLOR	CYLINDER COLOR
☐ LCC6LED 6" LED Cylinder	☐ P Pendant (18" standard) ☐ S Surface ☐ CM ^{1,2} Cord Mount ☐ W Wall Mount	☐ 10L 1000 Delivered Lumens ☐ 14L 1400 Delivered Lumens ☐ 18L 1800 Delivered Lumens	☐ 27K 2700 Kelvin ☐ 30K 3000 Kelvin ☐ 35K 3500 Kelvin ☐ 40K 4000 Kelvin ☐ 50K 5000 Kelvin	☐ 8 80+ CRI ☐ 9 90+ CRI	☐ Blank 120-277 Volt ☐ 120V 120V (for 2DM)	☐ Blank Standard 0-10V dimming to 10% ☐ EDM ³ Hi-Lume 1% EcoSystem LED Driver ☐ 2DM Hi-Lume 1% 2-wire LED Driver (120V only) ☐ DM1 Osram dimming to 1% 0-10V	☐ WFL45 45 Degree Cutoff ☐ WW ⁴ Wall Wash	☐ Blank Clear Alzak ☐ BC Painted Black Cone ☐ WC Painted White Cone	☐ BA Brushed Aluminum ☐ BZ Bronze ☐ BL Matte Black ☐ WH Matte White ☐ Z Zet	

NOTES:

- 1 Cord length 6 feet, clear sleeve
- 2 Plastic bushings are grey on white, brushed aluminum and zet cylinder; black on black and bronze
- 3 Consult factory for 3-wire dimming option
- 4 Wall Wash not available on Wall mount cylinders.

PHOTOMETRIC DATA

LiteForms - 6" LCC6LED Cylinder

DRIVER DATA	LCC6LEDx10L	LCC6LEDx14L	LCC6LEDx18L
Input Voltage	120-277V	120-277V	120-277V
Input Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Input Current	0.112 (120v) 0.049 (277v)	0.149 (120v) 0.065 (277v)	0.186 (120v) 0.081 (277v)
Input Power	13.5W	17.9W	22.3W
Constant Current Output	700mA	700mA	700mA
Power Factor	≥0.90	≥0.90	≥0.90
THD	<25%	<20%	<20%
EMI Filtering	FCC 47CFR Part 15, Class A	FCC 47CFR Part 15, Class A	FCC 47CFR Part 15, Class A
Operating Temperature	-30°C to +30°C	-30°C to +30°C	-30°C to +30°C
Dimming (standard)	0-10V	0-10V	0-10V
Over-voltage, over-current, short-circuit protected			
Lumen output & input wattage may vary slightly with EDM/2DM/DM1 Driver options			

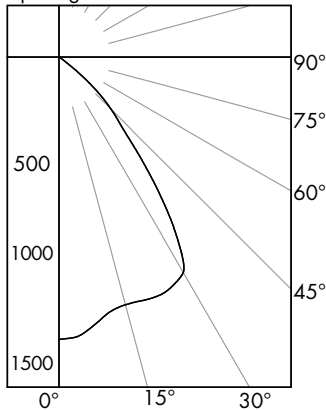
Lumen Multiplier Table

Unless specified, photometrics for the LCC6LED are published below at a nominal 3500 Kelvin temperature. This table may be used to approximate the lumen values at different Kelvin temperatures. Power consumption would stay the same.

5000 Kelvin	1.09
4000 Kelvin	1.00
3500 Kelvin	1.00
3000 Kelvin	0.99
2700 Kelvin	0.96

LCC6LEDs18L35K8WFL45WH

LED Light Engine: 3500K, 80+ CRI
System Wattage: 22.3W
Fixture Delivered Lumens: 1941
Fixture Efficacy: 87.0
Spacing Criteria: 1.1



CANDELA DISTRIBUTION

DEG	CANDELA
0	1368
5	1345
15	1243
25	1247
35	923
45	357
55	27
65	5
75	1
85	0
90	0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-60	1935	99.7
0-90	1941	100.0
90-180	0	0.0
0-180	1941	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average
45°	27667
55°	2580
65°	648
75°	212
85°	0

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance					% Effective Floor Cavity Reflectance					% Wall Reflectance				
	80%					70%					50%				
	20%					10%					70%				
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78
5	89	79	73	68	87	78	72	67	76	71	67	74	70	66	73
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55
10	66	55	48	44	65	54	48	44	54	48	44	53	47	44	52

LCC6LEDs18L35K8WFL45WH

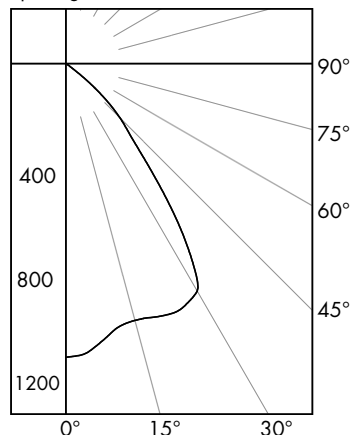
Test No. 16.03154

Test No. 16.03154

Tested at 25°C Ambient in accordance to IESNA LM-79-2008

LCC6LEDs14L35K8WFL45WH

LED Light Engine: 3500K, 80+ CRI
System Wattage: 17.9W
Fixture Delivered Lumens: 1520
Fixture Efficacy: 84.9
Spacing Criteria: 1.1



CANDELA DISTRIBUTION

DEG	CANDELA
0	1072
5	1050
15	971
25	990
35	721
45	277
55	20
65	4
75	1
85	0
90	0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-60	1515	99.7
0-90	1520	100.0
90-180	0	0.0
0-180	1520	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average
45°	21467
55°	1911
65°	519
75°	212
85°	0

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance					% Effective Floor Cavity Reflectance					% Wall Reflectance				
	80%					70%					50%				
	20%					10%					70%				
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84
4	94	86	80	75	92	85	79	74	82	77	73	80	76	72	78
5	89	79	73	68	87	78	72	67	76	71	67	74	70	66	73
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59
9	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55
10	66	55	48	44	65	54	48	44	54	48	44	53	47	44	52

LCC6LEDs14L35K8WFL45WH

Test No. 16.03155

Test No. 16.03155

Tested at 25°C Ambient in accordance to IESNA LM-79-2008



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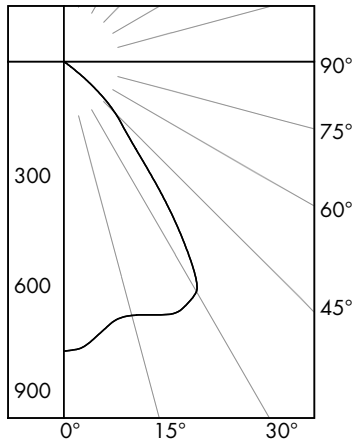


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LiteForms - 6" LCC6LED Cylinder

LCC6LEDS10L35K8WFL45WH

LED Light Engine: 3500K, 80+ CRI
System Wattage: 13.5W
Fixture Delivered Lumens: 1106
Fixture Efficacy: 81.9
Spacing Criteria: 1.1



CANDELA DISTRIBUTION

DEG	CANDELA
0	780
5	762
15	708
25	740
35	518
45	196
55	15
65	3
75	1
85	0
90	0

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-60	1103	99.7
0-90	1106	100.0
90-180	0	0.0
0-180	1106	100.0

**LUMINANCE DATA IN CANDELA/
SQ. METER**

Angle in Vertical	Average
45°	15190
55°	1433
65°	389
75°	212
85°	0

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance																			
	80%				70%				50%				30%				10%			
	20% Effective Floor Cavity Reflectance																			
	% Wall Reflectance																			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94			
2	107	101	97	93	104	99	95	92	93	85	90	93	90	88	90	88	86			
3	100	93	88	83	98	92	87	82	89	85	82	86	83	80	84	81	79			
4	94	86	80	75	92	85	79	74	82	77	74	80	76	73	78	75	72			
5	89	79	73	68	88	78	72	68	76	71	67	75	70	66	73	69	66			
6	83	73	67	62	83	73	66	62	71	65	61	69	65	61	68	64	60			
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51			
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47			
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44			

LCCL6E510L35K8WF4LSWH

Test No. 16.03156

LCC6LEDS10L35K8WFL45WH

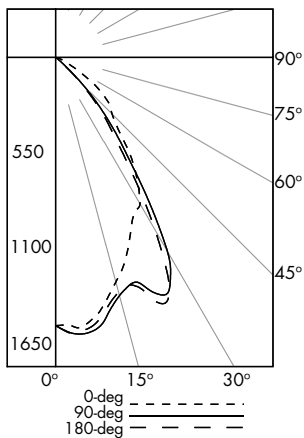
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Test No. 16.03156

Tested at 25°C Ambient in accordance to IESNA LM-79-2008

LCC6LEDS18L35K8WW BL

LED Light Engine: 3500K, 80+ CRI
System Wattage: 22.2W
Fixture Delivered Lumens: 1938
Fixture Efficacy: 87.3



CANDELA DISTRIBUTION

DEG	0	90	180
0	1527	1527	1527
5	1545	1581	1565
15	1324	1404	1383
25	1030	1489	1517
35	792	780	670
45	454	219	189
55	273	8	8
65	64	2	2
75	9	1	1
85	0	0	0
90	0	0	0

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	0 DEG	90 DEG	180 DEG
45°	38311	18480	15949
55°	28400	832	832
65°	9036	282	282
75°	2075	231	231
85°	0	0	0

						MULTIPLE UNITS					
						UNITS ON 3' CENTER		UNITS ON 4' CENTER			
						1'	2'	3'	4'		
2' DISTANCE FIXTURE MOUNTED OUT FROM WALLS FOOTCANDLE DISTRIBUTION ON WALL SURFACE (DIRECT ONLY)											
1	15	11	6	2	1	15	5	15	15	1	15
2	40	36	26	13	5	41	27	41	40	10	40
3	36	35	28	18	11	41	36	41	36	22	36
4	22	22	22	19	13	33	39	33	25	27	25
5	14	14	14	14	13	27	30	27	20	25	20
6	10	10	9	9	9	24	22	24	16	19	16
7	7	7	6	6	6	19	18	19	14	14	14
8	5	5	5	4	4	15	15	15	12	11	12
9	4	4	3	3	3	12	13	12	10	9	10

LCC6LED518L35KWW BL

Test No. 17.00327

Test No. 17.00327

Tested at 25°C Ambient in accordance to IESNA LM-79-2008



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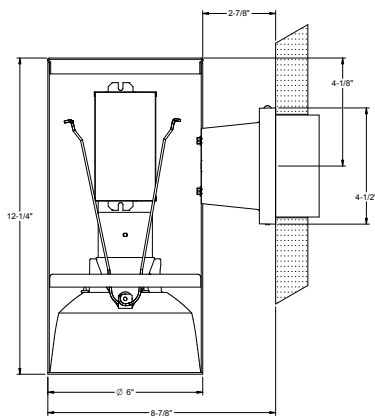
HUBBELL
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PHOTOMETRIC DATA

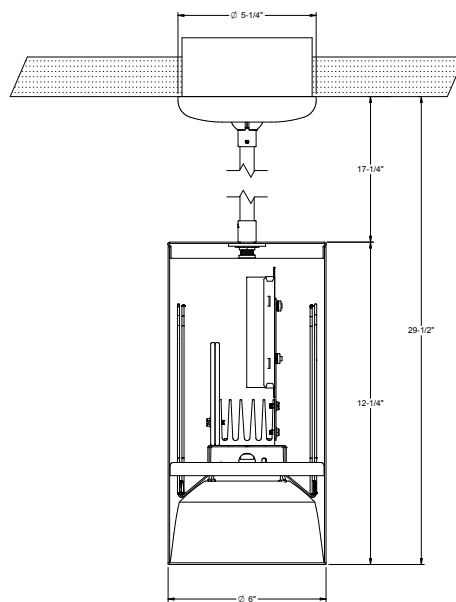
LiteForms - 6" LCC6LED Cylinder

Dimming Compatibility Table

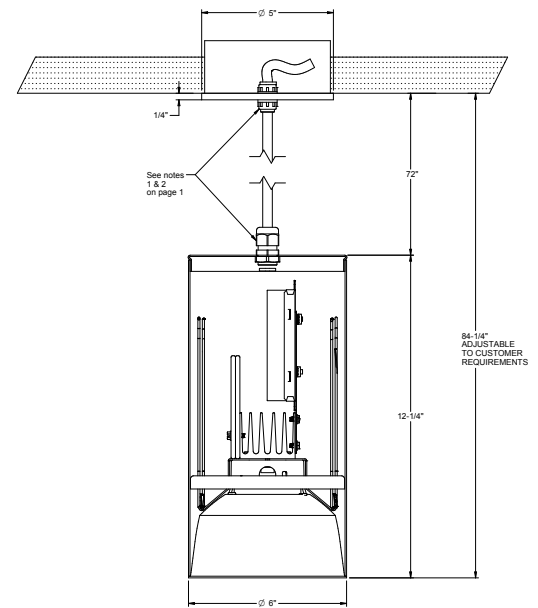
Dimming Ballast	Manufacturer	Web Link
DM/DM1	Lutron DTVV	http://bit.ly/11jSvZg
DM/DM1	Leviton AWRMG-7xx, AWSMG-7xx, AWSMT-7xx	http://bit.ly/2mvXqIW
EDM	Lutron	http://bit.ly/1vtjHAL
2DM	Lutron	http://bit.ly/1S4WjXK



WALL MOUNT



PENDANT MOUNT



CORD MOUNT