

DESCRIPTION

Round or square wall mount cylinder fixture in choice of white, matte black, bronze or silver finish can be used to blend with or accent varying architectural styles. Two-stage reflector system produces smooth distribution with excellent light control and low aperture brightness. Lumen packages include 1000, 1500 and 2000 lumens with color temperatures of 2700K, 3000K, 3500K, 4000K. Available with dim-to-warm technology – similar to halogen at full power, the 3000K LED warms smoothly as dimmed to 1850K creating a rich warm glow within the space.

SPECIFICATION FEATURES

Lower Shielding Reflector

Spun 0.050" thick aluminum lower reflector in combination with a lensed upper optical chamber provides superior lumen output with minimal source brightness. Available in all Portfolio Alzak® finishes.

Trim Retention

Lower reflector is retained with two torsion springs holding the flange tightly to the cylinder.

Housing

Round seamless .050 spun aluminum housing or soft square extruded aluminum available in white, bronze, silver or matte black.

Mounting

Wall bracket mounting plate installs to wall mounted junction box.

LED

LED system contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and convex transitional lens producing even distribution with no pixilation. Rated for 50,000 hours at 70% lumen maintenance. Color variation within 3-step MacAdam ellipses. Available in 80 or 90 CRI. D2W™ – dim-to-warm shifts CCT from 3000K to 1850K as fixture dims mimicking halogen sources.

Driver

Combination 0-10V trailing edge driver provides flicker free dimming from 100% to 10%. Fifth Light, DMX or Lutron® Ecosystem.

Code Compliance

cULus listed for damp locations. EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits. RoHS Compliant. Photometric testing completed in accordance with IES LM 79 standards. LED life testing completed in accordance with LM 80 standards.

Warranty

5-year warranty.



LSRWM6A LSSQWM6A ERC6 6L

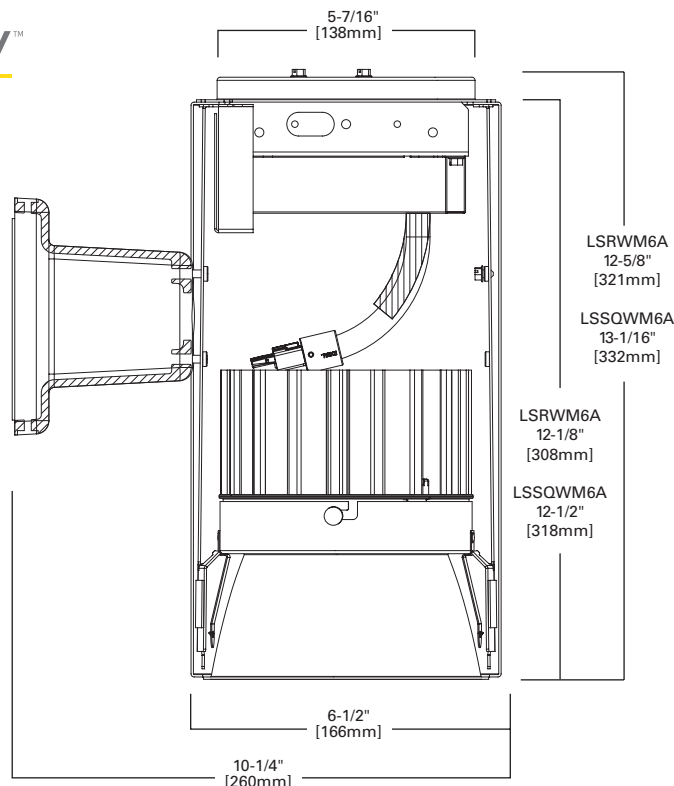
1000 Lumen LED

1500 Lumen LED

2000 Lumen LED

6-Inch Round or Square
Cylinder Downlight

D2W™



ORDERING INFORMATION

EXAMPLE: LSRWM6A 10D010TEMB ERCN6A10930 6LW0LI=6" LED Wide Beam Reflector Lens, 1000 Lumen 3,000 K Color with Universal 120 - 277V, 0 - 10 Driver

Housing	Lumens ¹	Driver	Cylinder Finish	Power Module	Lumens	CRI	Color
LSRWM6A=6" Wall Mount Round LSSQWM6A=6" Wall Mount Square	10=1000 Lumens 15=1500 Lumens 20=2000 Lumens	1000, 1500, or 2000 Lumen D010TE =120-277V 0-10V 10% Dimming or Trailing Edge 120V Dimming DL3 =1 to 100% Dimming, 120-277V Lutron® Hi-Lume, Ecosystem or 3 Wire DLT =1 to 100% Dimming, 120V Lutron® Hi-Lume Forward Phase Dimming 1000 or 1500 Lumen DE010 =120-277V 0-10V 1% Dimming D5LT =Fifth Light® (Dali) Dimming DMX =DMX Driver	P =White MB =Matte Black SL =Painted Silver BZ =Bronze	ERCN6A =6" Module for Narrow Beam Reflector ERCM6A =6" Module for Medium Beam Reflector ERCW6A =6" Module for Wide Beam Reflector	10=1000 Lumens 15=1500 Lumens 20=2000 Lumens	8=80 CRI 9=90 CRI	27=2700° K 30=3000° K 35=3500° K 40=4000° K 30D2W = Dim to warm 3000° K to 1850° K (2000 lumen and below, 90 CRI)

Reflector	Finish
6LN0=6" Narrow Reflector 6LM0=6" Medium Reflector 6LW0=6" Wide Reflector	LI=Specular Clear H=Semi-Specular Clear WMH=Warm Haze G=Specular Gold WH=Wheat WHH=Wheat Haze GP=Graphite GPH=Graphite Haze B=Specular Black W=Gloss White

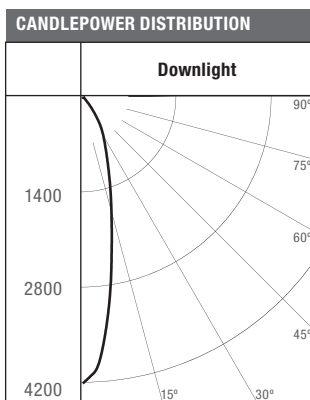
Notes: 1- Nominal Lumens will vary depending on selected color, driver and reflector finish.

ENERGY

ENERGY DATA			
0-10V / Trailing Edge			
Sound Rating: Class A standards			
(Values at non-dimming line voltage)			
EMI/RFI: FCC Title 47 CFR, Part 18, Class B (Consumer)			
2000 Lumen		1500 Lumen	
Input Voltage: UNV (120V - 277V)		Input Voltage: UNV (120V - 277V)	
Power Factor: >0.90 (at nominal input 120/230/240/277 VAC & 100% of Rated Output Power)		Power Factor: >0.90 (at nominal input 120/230/240/277 VAC & 100% of Rated Output Power)	
Input Power: 31.5W	THD: <20%	Input Power: 22.4W	THD: <20%
120V Input Current: .27A	277V Input Current: .12A	120V Input Current: .12A	277V Input Current: .09A
Input Frequency: 50/60Hz		Input Frequency: 50/60Hz	
Rated Wattage: 33.6W		Rated Wattage: 22.6W	
1000 Lumen			
Input Voltage: 120V - 277V			
Power Factor: >0.90			
Minimum Starting Temperature: -30°C (-22°F)			
Input Power: 14.1W		THD: <20%	
120V Input Current: .12A		277V Input Current: .06A	
Input Frequency: 50/60Hz			
Rated Wattage: 14.7W			

Lumens	120V		277V	
	Inrush (A)	Duration (ms)	Inrush (A)	Duration (ms)
900/1000	0.486	0.4	0.848	0.182
1300/1500	0.717	1.58	0.531	1.24
1800/2000	0.832	0.405	1.25	0.788
2800/3000	1.09	0.3	1.23	0.294

PHOTOMETRICS



Test Number	P98989
Element	LS6A15D010TE ERN6A15835 6LN0LI
Lumens	1407 Lm
Efficacy	62.8 Lm/W
Watts	22.4 W
CCT	3500K
SC	0.4

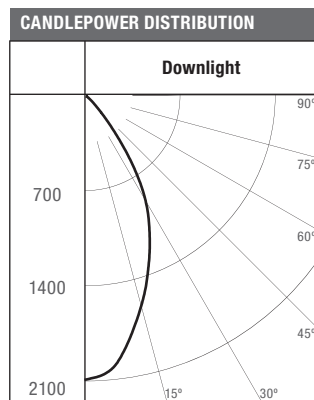
CONE OF LIGHT		
Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
7'	84	3
8'	64	3
9'	50	3
10'	41	4
15'	18	6

CANDELA TABLE	
Degrees Vertical	Candela
0	4100
5	3545
15	1639
25	799
35	362
45	43
55	3
65	1
75	0
85	0
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	1136	81
0-40	1359	100
0-60	1405	100
0-90	1407	100
90-180	0	0
0-180	1407	100

LUMINANCE	
Average Candella Degrees	Average 0° Luminance
45	4004
55	341
65	154
75	0
85	0

PHOTOMETRICS



Test Number	P98953
Element	LS6A15D010TE ERM6A15835 6LMOLI
Lumens	1464 Lm
Efficacy	65.3 Lm/W
Watts	22.4 W
CCT	3500K
SC	0.8

CONE OF LIGHT

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
7'	41	5
8'	32	6
9'	25	7
10'	20	8
15'	9	12

CANDELA TABLE

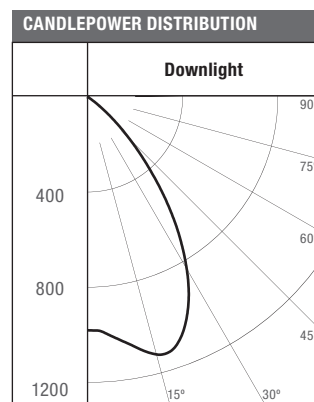
Degrees Vertical	Candela
0	2019
5	2040
15	1809
25	1081
35	376
45	31
55	4
65	1
75	1
85	0
90	0

ZONAL LUMEN SUMMARY

0-30	1183	81
0-40	1425	98
0-60	1462	100
0-90	1464	100
90-180	0	0
0-180	1464	100
0-180	1407	100

LUMINANCE

Average Candella Degrees	Average 0° Luminance
45	2823
55	444
65	154
75	252
85	0



Test Number	P99053
Element	LS6A15D010TE ERW6A15835 6LWOLI
Lumens	1506 Lm
Efficacy	69.1 Lm/W
Watts	21.8 W
CCT	3500K
SC	1.2

CONE OF LIGHT

Distance Fixture to Lighted Plane	Initial Footcandles at Nadir	Beam Diameter
7'	21	8
8'	16	9
9'	13	11
10'	10	12
15'	5	18

CANDELA TABLE

Degrees Vertical	Candela
0	970
5	991
15	1109
25	992
35	643
45	259
55	38
65	2
75	1
85	0
90	0

ZONAL LUMEN SUMMARY

0-30	859	57
0-40	1256	84
0-60	1502	100
0-90	1506	100
90-180	0	0
0-180	1506	100
0-180	1407	100

LUMINANCE

Average Candella Degrees	Average 0° Luminance
45	23878
55	4288
65	324
75	252
85	0

CCT Multiplication Factors	CCT [K]	Multiplier from 3500K	80 -> 90 CRI
80 CRI	2700	0.93	
	3000	0.99	
	3500	1.00	
	4000	1.01	
90 CRI	2700	0.88	0.79
	3000	0.94	0.80
	3500	1.00	0.84
	4000	1.03	0.85