

DESCRIPTION

6 inch LED recessed medium or wide wall wash for remodel or international applications specially designed for LED technology. Two-stage reflector system combined with a Gradient Kicker, produces high levels of uniform vertical illumination on the wall with minimal source brightness. 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 Wall Wash Reflector

Spun .050" thick aluminum lower reflector with gradient kicker in combination with a lensed upper optical chamber provides superior lumen output, high level vertical illumination with minimal source brightness. Available in all Portfolio Alzak® finishes.

Trim Retention

Reflector is retained with two torsion springs holding the flange tightly to the finished ceiling surface.

Housing

Galvanized steel plaster ring accommodates up to 1" ceiling thickness.

Thermal

Extruded aluminum heat sink conducts heat away from the LED module for optimal performance and long life.

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. Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded. Color variation within 3-step MacAdam ellipses. Flexible disconnect allows for tool-less replacement of LED engine from below ceiling. Available in 80 or 90 CRI.

D2W™ – dim-to-warm shifts CCT from 3000K to 1850K as fixture dims mimicking halogen sources.

Driver

Combination 120-277V 0-10V or 120V trailing edge phase cut driver provides flicker free dimming

from 100% to 10%. Optional 1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem. Driver can be serviced from above or through the aperture.

Code Compliance

Thermally protected and cULus listed for protected damp locations. EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits. Non-IC rated – Insulation must be kept 3" from top and sides of housing. 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.



LD6AR, LD6AI

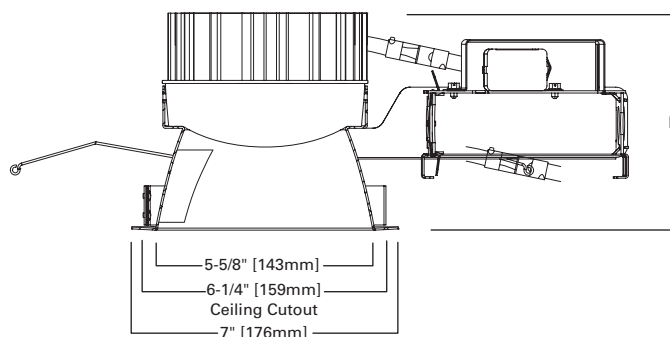
1000, 1500 Lumen LED

2000, 3000 Lumen LED

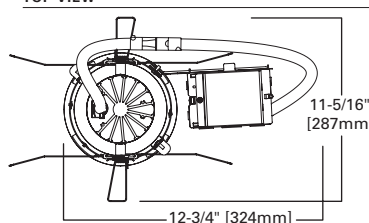
6-Inch

Medium or Wide Beam Wall Wash
Remodel or International

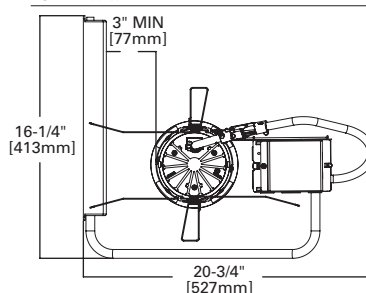
D2W™



TOP VIEW



TOP VIEW WITH BATTERY



Distribution	Lumens	Height
Wide Beam Wall Wash	1000/1500	5-5/8"
Medium Beam Wall Wash	1000/1500	6-9/16"
Wide Beam Wall Wash	2000/3000	6-1/2"
Medium Beam Wall Wash	2000/3000	8-9/16"



Refer to ENERGY STAR® Qualified Products List.

EXAMPLE: LD6AI15D010TE ERW6A15835 6LW111LI=6" International LED Wide Wall Wash, 1500 Lumen 3,500 K Color with Universal 120 - 277V, 0 - 10 Driver

Housing	Lumens ¹	Driver	Options ³	Power Module	Lumens	CRI	Color
LD6AR =6" Aperture, Remodel LD6ARCP =6" Aperture, Remodel Chicago Plenum LD6AI =6" Aperture, International	10 =1000 Lumens 15 =1500 Lumens 20 =2000 Lumens 30 =3000 Lumens	1000, 1500, 2000 and 3000 Lumen D010TE =120-277V 0-10V 10% Dimming or Trailing Edge 120V Dimming D5LT =Fifth Light* (DALI) 0% Dimming D010 =0 to 100% Dimming, 120-277V 50/60Hz, 0-10V ⁵ DL3 =1 to 100% Dimming, 120-277V Lutron® Hi-Lume, Ecosystem or 3 Wire DLT =Hi-Lume Forward Phase 2-wire Dimming 120V DMX =DMX 0% Dimming 1000, 1500 and 2000 Lumen D010TR =120-277V 0-10V 10% Dimming or Leading Edge 120V Dimming	EMBOD =7W Bodine® Emergency Module with Remote Test Switch EM7 =7W Emergency Module with Remote Test Switch ⁴ EM14 =14W Emergency Module with Remote Test Switch ⁴	ERM6A =6" Module for Medium Beam Reflector ERW6A =6" Module for Wide Beam Reflector 10 =1000 Lumen 15 =1500 Lumen 20 =2000 Lumen 30 =3000 Lumen		8 =80 CRI 9 =90 CRI	27 =2700° K 30 =3000° K 35 =3500° K 40 =4000° K 27CP =2700° K, Chicago Plenum 30CP =3000° K, Chicago plenum 35CP =3500° K, Chicago Plenum 40CP =4000° K, Chiago Plenum 30D2W = Dim to warm 3000° K to 1850° K (2000 lumen and below, 90 CRI)

Reflector	Finish	Options	Accessories
6LM111 =6" Medium Reflector, Single Wall Wash, Self-flanged 6LM121 =6" Medium Reflector, Double Wall Wash, Self-flanged 6LM110 =6" Medium Reflector, Single Wall Wash, Polymer Trim Ring 6LM120 =6" Medium Reflector, Double Wall Wash, Polymer Trim Ring 6LW111 =6" Wide Reflector, Single Wall Wash, Self-flanged 6LW121 =6" Wide Reflector, Double Wall Wash, Self-flanged 6LW110 =6" Wide Reflector, Single Wall Wash, Polymer Trim Ring 6LW120 =6" Wide Reflector, Double Wall Wash, Polymer Trim Ring	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 Self-flanged Only WF =White Painted Flange	H347 =347 to 120V Step Down Transformer, 75VA H347200 =347 to 120V Step Down Transformer, 200VA Housings, Specify Slope TRM6 =Metal Trim Ring, Specify Color ² TRR6 =Rimless Trim Ring ¹ LGSKT6IP66 =IP66 Gasket Kit ABR7P =Remodel Adaptor Ring for 8" OD ABR8P =Remodel Adaptor Ring for 9" OD

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

2 Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).

3 Not available with Chicago Plenum.

4 Not CSA approved.

5 CE compliant with international housing.

ENERGY

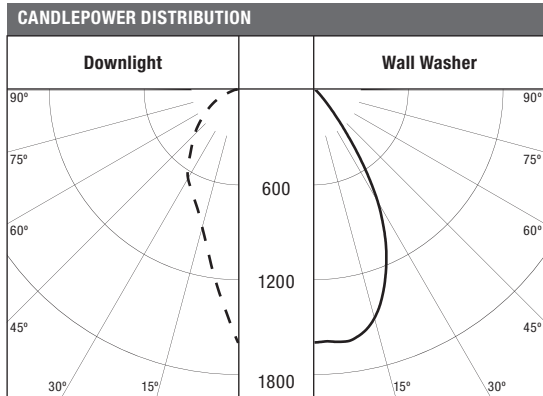
ENERGY DATA			
Sound Rating: Class A standards			
(Values at non-dimming line voltage)			
Minimum Starting Temperature: -30°C (-22°F)			
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)			
Input Voltage: UNV (120V - 277V)			
Power Factor: >0.90 (at nominal input 120-277 VAC & 100% of Rated Output Power)			
3000 Lumen D010TE		2000 Lumen D010TE	
Input Power: 43.6W	THD: <17%	Input Power: 31.5W	THD: <20%
120V Input Current: .37A	277V Input Current: .16A	120V Input Current: .27A	277V Input Current: .12A

120V		277V		
Lumens	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

1500 Lumen D010TE		1000 Lumen D010TE	
Input Power: 22.4W	THD: <20%	Input Power: 14.1W	THD: <20%
120V Input Current: .12A	277V Input Current: .09A	120V Input Current: .12A	277V Input Current: .06A

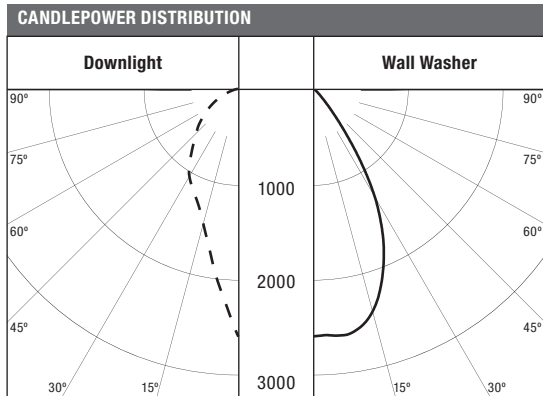
PHOTOMETRICS

Test Number	P135554
Catalog	LD6A15D010TE
Number	ERM6A15835 6LM111LI
Lumens	1561
Efficacy	69.1 Lm/W



LEGEND:
 0-deg: - - - - -
 90-deg: —————

Test Number	P135586
Catalog	LD6A20D010TE
Number	ERM6A20835 6LM111LI
Lumens	2542
Efficacy	77.5 Lm/W



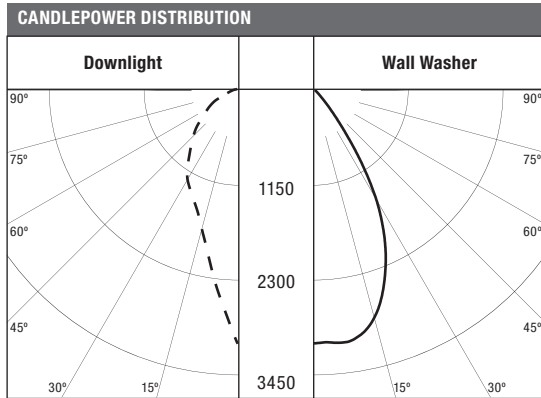
LEGEND:
 0-deg: - - - - -
 90-deg: —————

SINGLE UNIT FOOTCANDLES					MULTIPLE UNIT FOOTCANDLES											
3' FROM WALL (Distance From Fixture Along Wall)					2.5' FROM WALL (Spacing Between Fixtures)						3' FROM WALL (Spacing Between Fixtures)					
DD	●	1'	2'	3'	●	2'	●	●	3'	●	●	2'	●	●	3'	●
1'	6	4	2	1	16	18	16	13	12	13	8	9	8	6	7	6
2'	15	13	8	4	32	36	32	27	27	27	23	25	23	19	20	19
3'	15	13	9	5	29	33	29	24	27	24	24	27	24	20	23	20
4'	12	11	8	5	23	26	23	19	22	19	20	22	20	17	19	17
5'	10	9	7	4	17	19	17	14	17	14	16	18	16	14	16	14
6'	7	7	6	4	13	13	13	11	13	11	13	13	13	11	13	11
7'	5	5	5	4	9	9	9	8	9	8	9	10	9	9	9	9
8'	4	4	3	3	7	7	7	6	7	6	7	7	7	7	7	7
9'	3	3	3	3	5	5	5	5	5	5	6	6	6	5	6	5
10'	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4

SINGLE UNIT FOOTCANDLES					MULTIPLE UNIT FOOTCANDLES											
3' FROM WALL (Distance From Fixture Along Wall)					2.5' FROM WALL (Spacing Between Fixtures)						3' FROM WALL (Spacing Between Fixtures)					
DD	●	1'	2'	3'	●	2'	●	●	3'	●	●	2'	●	●	3'	●
1'	9	7	4	1	26	29	26	21	20	21	13	14	13	10	11	10
2'	25	21	12	7	53	59	53	44	44	44	37	41	37	31	33	31
3'	25	22	14	8	48	54	48	39	43	39	39	44	39	33	37	33
4'	20	18	13	8	37	42	37	31	36	31	33	36	33	28	31	28
5'	15	15	11	7	28	31	28	23	28	23	27	29	27	22	26	22
6'	11	11	9	7	20	21	20	18	20	18	20	22	20	18	21	18
7'	8	8	7	6	15	15	15	14	15	14	15	16	15	14	15	14
8'	6	6	6	5	11	11	11	10	11	10	12	12	12	11	12	11
9'	5	5	4	4	9	9	9	8	9	8	9	9	9	9	9	9
10'	4	4	4	3	7	7	7	7	7	7	7	7	7	7	7	7

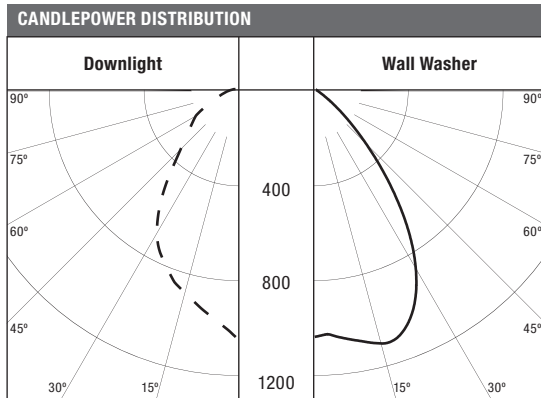
PHOTOMETRICS

Test Number	P135610
Catalog	LD6A30D010TE
Number	ERM6A30835 6LM111LI
Lumens	2999
Efficacy	66.1 Lm/W



SINGLE UNIT FOOTCANDLES					MULTIPLE UNIT FOOTCANDLES											
	3' FROM WALL (Distance From Fixture Along Wall)				2.5' FROM WALL (Spacing Between Fixtures)						3' FROM WALL (Spacing Between Fixtures)					
DD	●	1'	2'	3'	●	2'	●	●	3'	●	●	2'	●	●	3'	●
1'	11	9	4	2	30	34	30	25	24	25	15	17	15	12	13	12
2'	29	24	14	8	62	69	62	52	52	52	44	49	44	37	39	37
3'	30	26	17	9	56	63	56	46	51	46	46	51	46	39	43	39
4'	24	21	15	9	44	50	44	36	42	36	39	42	39	33	37	33
5'	18	17	13	8	33	36	33	27	33	27	31	34	31	26	31	26
6'	13	13	11	8	24	25	24	21	24	21	24	25	24	21	24	21
7'	10	9	9	7	18	18	18	16	18	16	18	19	18	17	18	17
8'	7	7	7	6	13	13	13	12	13	12	14	14	14	13	14	13
9'	6	5	5	5	10	10	10	10	10	10	11	11	11	10	11	10
10'	4	4	4	4	8	8	8	8	8	8	8	9	8	8	9	8

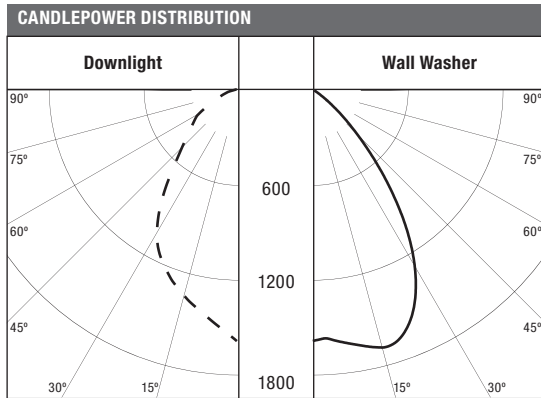
Test Number	P136274
Catalog	LD6A15D010TE
Number	ERW6A15835 6LW111LI
Lumens	1601
Efficacy	70.8 Lm/W



SINGLE UNIT FOOTCANDLES					MULTIPLE UNIT FOOTCANDLES											
	3' FROM WALL (Distance From Fixture Along Wall)				2.5' FROM WALL (Spacing Between Fixtures)						3' FROM WALL (Spacing Between Fixtures)					
DD	●	1'	2'	3'	●	2'	●	●	3'	●	●	2'	●	●	3'	●
1'	7	5	3	1	17	19	17	14	14	14	10	11	10	8	8	8
2'	13	11	7	4	27	30	27	22	24	22	20	22	20	17	18	17
3'	12	10	7	4	25	28	25	21	22	21	19	21	19	16	18	16
4'	12	10	7	4	23	26	23	19	22	19	19	20	19	16	18	16
5'	10	9	7	5	18	19	18	15	18	15	16	18	16	14	16	14
6'	7	7	6	4	13	14	13	11	13	11	13	14	13	12	13	12
7'	5	5	5	4	9	10	9	9	9	9	10	10	10	9	10	9
8'	4	4	4	3	7	7	7	7	7	7	7	8	7	7	7	7
9'	3	3	3	3	5	5	5	5	5	5	6	6	6	5	6	5
10'	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4

PHOTOMETRICS

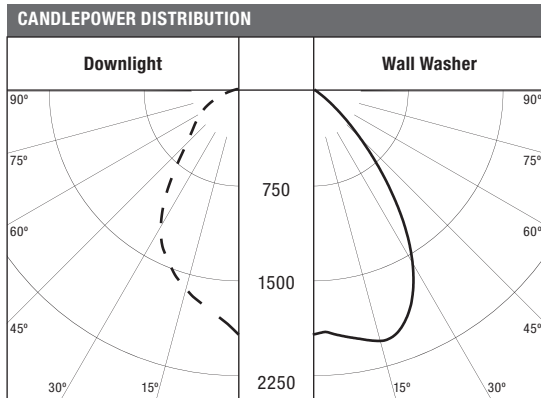
Test Number	P136306
Catalog Number	LD6A20D010TE
Number	ERW6A20835 6LW111LI
Lumens	2493
Efficacy	76.0 Lm/W



LEGEND:
 0-deg: ---
 90-deg: —

SINGLE UNIT FOOTCANDLES					MULTIPLE UNIT FOOTCANDLES											
DD	3' FROM WALL (Distance From Fixture Along Wall)				2.5' FROM WALL (Spacing Between Fixtures)						3' FROM WALL (Spacing Between Fixtures)					
	●	1'	2'	3'	●	2'	●	●	3'	●	●	2'	●	●	3'	●
1'	10	8	5	2	27	30	27	22	21	22	15	17	15	12	13	12
2'	20	17	11	6	41	47	41	34	37	34	31	35	31	26	29	26
3'	18	16	11	7	39	44	39	33	35	33	29	32	29	25	28	25
4'	18	16	11	7	36	40	36	30	34	30	29	32	29	25	27	25
5'	15	14	11	7	28	30	28	24	27	24	26	28	26	22	25	22
6'	11	11	9	7	20	21	20	18	20	18	20	21	20	18	20	18
7'	8	8	7	6	15	15	15	13	15	13	15	16	15	14	15	14
8'	6	6	6	5	11	11	11	10	11	10	12	12	12	11	12	11
9'	5	5	4	4	8	8	8	8	8	8	9	9	9	8	9	8
10'	4	4	3	3	6	6	6	6	6	6	7	7	7	7	7	7

Test Number	P136330
Catalog Number	LD6A30D010TE
Number	ERW6A30835 6LW111LI
Lumens	3023
Efficacy	66.6 Lm/W



LEGEND:
 0-deg: ---
 90-deg: —

SINGLE UNIT FOOTCANDLES					MULTIPLE UNIT FOOTCANDLES											
DD	3' FROM WALL (Distance From Fixture Along Wall)				2.5' FROM WALL (Spacing Between Fixtures)						3' FROM WALL (Spacing Between Fixtures)					
	●	1'	2'	3'	●	2'	●	●	3'	●	●	2'	●	●	3'	●
1'	13	10	6	2	32	37	32	27	26	27	18	20	18	15	16	15
2'	24	21	13	7	50	57	50	41	45	41	38	42	38	31	35	31
3'	22	20	14	8	48	53	48	40	42	40	36	39	36	30	34	30
4'	22	19	13	8	43	48	43	36	41	36	35	39	35	30	33	30
5'	18	17	13	8	34	37	34	29	33	29	31	34	31	27	30	27
6'	14	13	11	8	24	26	24	22	24	22	24	26	24	22	24	22
7'	10	10	9	7	18	18	18	16	18	16	19	19	19	17	19	17
8'	7	7	7	6	13	13	13	12	13	12	14	14	14	13	14	13
9'	6	5	5	5	10	10	10	9	10	9	11	11	11	10	11	10
10'	4	4	4	4	7	8	7	7	7	7	8	8	8	8	8	8

EM MULTIPLIER DATA

LUMENS	EM MULTIPLIER	
	7	14
900/1000	0.50	0.99
1300/1500	0.29	0.57
1800/2000	0.22	0.44
2800/3000	0.16	0.32