

DESCRIPTION

8-inch LED recessed wide wall wash 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.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Lower Wall Wash Reflector
Spun .060" 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.

Plaster Frame / Collar

Die cast aluminum 1-1/2" deep collar accommodates ceiling materials up to 2".

Universal Mounting Bracket

Accepts 1/2" EMT, C channel and bar hangers and adjusts 5" vertically from above and below the ceiling (new construction housing only).

Junction Box

(4) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (8) #12

AWG (four in, four out) 90°C conductors and feed thru branch wiring.

Thermal

Forged aluminum heat sink conducts heat away from the LED module for improved performance and longer 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. 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 0-10V/trailing edge 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. 1000 - 4000 lumen utilize one driver. 5000-10,000 utilize two drivers, 12,000-15,000 utilize three drivers.

Code Compliance

Thermally protected and cULus listed for protected damp locations. cCSAus certified. Optional City of Chicago environmental air (CCEA) marking for plenum applications. 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. 8000 lumen and above are marked spacing and must follow spacing requirements.

Warranty

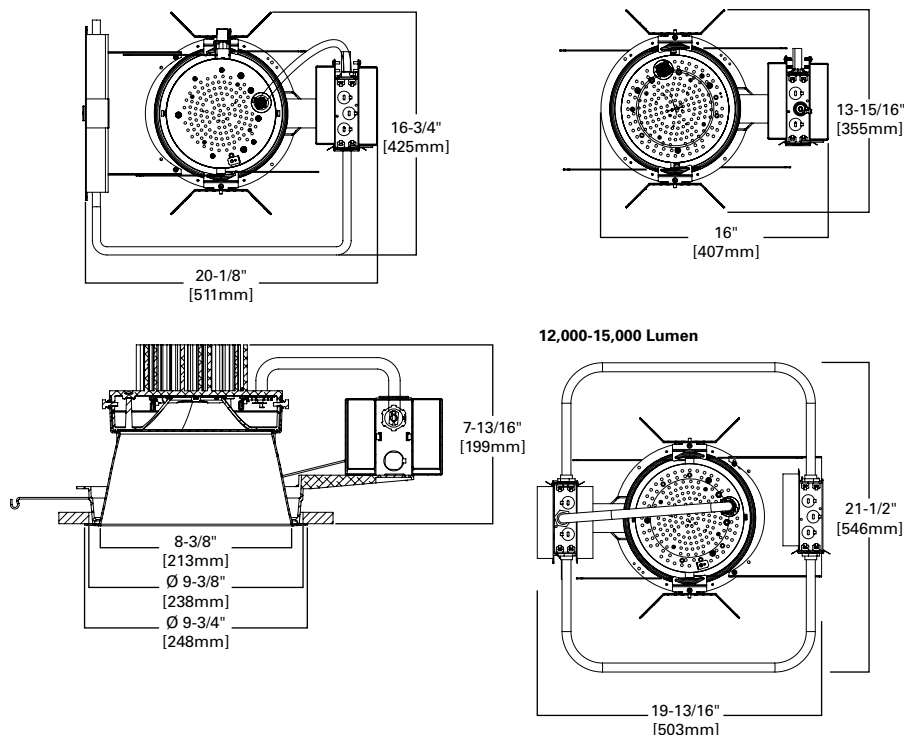
5-year warranty.



LD8A ER8A 8LW111

1,000-15,000 Lumen LED

8-Inch Wide Beam Wall Wash
New Construction



D2W™



Refer to ENERGY STAR® Qualified Products List.

powered by
fifthlight
technology

ORDERING INFORMATION

EXAMPLE: LD8A501DE010 ER8A50835 8LW111LI= 8" LED Wide Beam Reflector Lens, 5000 Lumen, 3,500 K Color with Universal 120 - 277V, 0 - 10 Driver

Housing	Lumens ¹	Voltage	Driver	Options	Power Module	Lumens	CRI	Color
LD8A=8" Aperture LD8ACP=8" Aperture, Chicago Plenum	1=120V 2=277V Blank=120-277V 1000 - 2000 lumen only		1000, 1500, 2000, 3000, 4000, 5000, 6000, 8000, 9000, 10,000 ⁶ 12,000 AND 15,000 LUMEN D010TE=0-10V 10% Dimming or Trailing Edge Dimming ⁴ 1000, 1500, 2000, 3000, 4000, 5000, 6000 AND 8000 LUMEN D5LT=Fifth Light® DALI 0% Dimming DMX=DMX 0% Dimming DE010=0-10V 1% Dimming 1000, 1500, 2000, 3000, 4000, 5000 AND 6000 LUMEN DL3=1% Lutron® Hi-Lume 3-Wire or Ecosystem D010TR=0-10V 10% Dimming or Leading Edge ⁴ 6500 LUMEN D010=0-10V 10% Dimming DE010=0-10V 1% Dimming	EM7=7W Emergency Module with Remote Test Switch ³ EM14=14W Emergency Module with Remote Test Switch ³ EMBOD=7W Bodine® Emergency Module with Remote Test Switch	ER8A=8" Module ER8ACP=8" Module, Chicago Plenum	10=1000 Lumens 15=1500 Lumens 20=2000 Lumens S30=3000 Lumens S40=4000 Lumens 50=5000 Lumens 60=6000 Lumens 65=6500 Lumens 80=8000 Lumens ⁵ 90=9000 Lumens ⁵ 100=10000 Lumens ⁵ 120=12000 Lumens ⁵ 150=15000 Lumens ⁵	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)

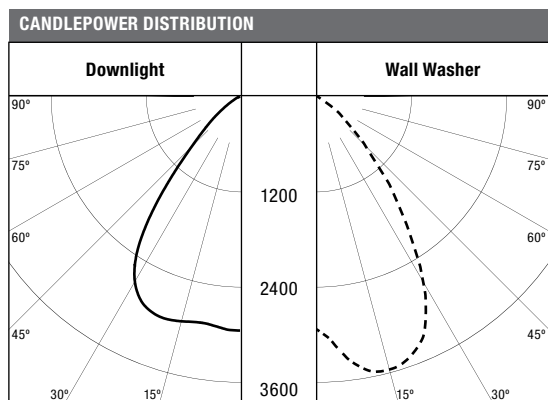
Reflector	Finish	Options	Accessories
8LW111=8" Wide Reflector, Single Wall Wash, Self-flanged 8LW121=8" Wide Reflector, Double Wall Wash, Self-flanged 8LW110=8" Wide Reflector, Single Wall Wash, Polymer Trim Ring 8LW120=8" Wide Reflector, Double Wall Wash, Polymer Trim Ring	LI=Specular Clear H=Semi-Specular 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	HB26=C-channel Bar Hanger, 26" Long, Pair HB50=C-channel Bar Hanger, 50" Long, Pair RMB22=Wood Joist Bar Hanger, 22" Long, Pair PORLWTPD1=LumaWatt Pro Wireless Sensor Kit (0-10V only) H347=347 to 120V Step Down Transformer, 75VA H347200=347 to 120V Step Down Transformer, 200VA Housings, Specify Slope

- Notes:**
1. Nominal Lumens will vary depending on selected color, driver and reflector finish.
 2. Not available with Chicago Plenum.
 3. Not CSA approved.
 4. Trailing edge and leading edge 120V only.
 5. Product is marked spacing and must be installed with the following minimum spacing:
Center to Center of adjacent luminaires : 36"
Center of Luminaire to Side of Building Member : 18"
Minimum Overhead Clearance: 9"
 6. 0-10V recommended

ENERGY DATA

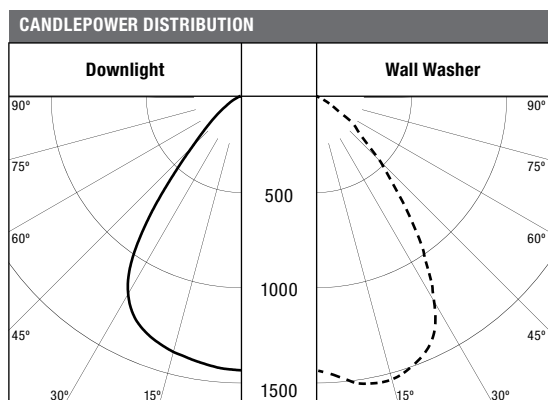
ENERGY DATA	ENERGY DATA	ENERGY DATA	ENERGY DATA
Sound Rating: Class A standards (Values at non-dimming line voltage) Minimum Starting Temperature: -20°C (-4°F) Power Factor: >0.90	Sound Rating: Class A standards (Values at non-dimming line voltage) Minimum Starting Temperature: -20°C (-4°F) Power Factor: >0.90	Sound Rating: Class A standards (Values at non-dimming line voltage) Minimum Starting Temperature: -20°C (-4°F) Power Factor: >0.90	Sound Rating: Class A standards (Values at non-dimming line voltage) Minimum Starting Temperature: -20°C (-4°F) Power Factor: >0.90
1000 Lumen D010TE 120V Input Power: 15W 277V Input Power: 16W 120V Input Current: 0.13A 277V Input Current: 0.06A Inrush 120 (Ap): 0.486 Inrush 277 (Ap): 0.848 Duration 120 (ms): 0.4 Duration 277 (ms): 0.182 THDi 120V: <13% THDi 277V: <20% Input Frequency: 50-60Hz	4000 Lumen D010TE 120V Input Power: 46W 277V Input Power: 45W 120V Input Current: .39A 277V Input Current: .17A THD 120V: <13% THD 277V: <20% 5000 Lumen D010TE EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer) Input Power: 62W THD: <17% 120V Input Current: .52A 277V Input Current: .22A Inrush 120 (Ap): 0.787 Inrush 277 (Ap): 1.09 Duration 120 (ms): 1.16 Duration 277 (ms): 1.75 Input Frequency: 50-60Hz 6000 Lumen D010TE EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer) Input Power: 77W THD: <17% 120V Input Current: .64A 277V Input Current: .28A Inrush 120 (Ap): 0.87 Inrush 277 (Ap): 0.96 Duration 120 (ms): 0.39 Duration 277 (ms): 0.31 Input Frequency: 50-60Hz 6500 Lumen D010 Input Power: 84W THD: <17% 120V Input Current: .70A 277V Input Current: .30A Inrush 120 (Ap): 2.88 Inrush 277 (Ap): 3.68 Duration 120 (ms): 0.815 Duration 277 (ms): 1.29 Input Frequency: 50-60Hz	8000 Lumen D010TE 120V Input Power: 96W 277V Input Power: 96W 120V Input Current: .79A 277V Input Current: .36A Inrush 120 (Ap): 1.09 Inrush 277 (Ap): 1.23 Duration 120 (ms): 0.3 Duration 277 (ms): 0.294 THDi 120V: <13% THDi 277V: <20% Input Frequency: 50-60Hz 9000 Lumen D010TE 120V Input Power: 108W 277V Input Power: 107W 120V Input Current: .89A 277V Input Current: .39A Inrush 120 (Ap): 0.48 Inrush 277 (Ap): 1.316 Duration 120 (ms): 0.1 Duration 277 (ms): 0.52 THDi 120V: <13% THDi 277V: <20% Input Frequency: 50-60Hz 10,000 Lumen D010TE 120V Input Power: 126W 277V Input Power: 123W 120V Input Current: 1.05A 277V Input Current: .47A Inrush 120 (Ap): 1.312 Inrush 277 (Ap): 1.856 Duration 120 (ms): 0.05 Duration 277 (ms): 0.1 THDi 120V: <13% THDi 277V: <20% Input Frequency: 50-60Hz 12,000 Lumen D010TE 120V Input Power: 140W 277V Input Power: 141W 120V Input Current: 1.17A 277V Input Current: 0.51A Inrush 120 (Ap): 1.09 Inrush 277 (Ap): 1.23 Duration 120 (ms): 0.3 Duration 277 (ms): 0.294 THDi 120V: <13% THDi 277V: <20% Input Frequency: 50-60Hz	15,000 Lumen D010TE 120V Input Power: 161W 277V Input Power: 159W 120V Input Current: 1.33A 277V Input Current: 0.58A Inrush 120 (Ap): 0.48 Inrush 277 (Ap): 1.316 Duration 120 (ms): 0.1 Duration 277 (ms): 0.52 THDi 120V: <13% THDi 277V: <20% Input Frequency: 50-60Hz
1500 Lumen D010TE 120V Input Power: 23W 277V Input Power: 24W 120V Input Current: 0.19A 277V Input Current: 0.09A Inrush 120 (Ap): 0.717 Inrush 277 (Ap): 0.531 Duration 120 (ms): 1.58 Duration 277 (ms): 1.24 THDi 120V: <13% THDi 277V: <20% Input Frequency: 50-60Hz	2000 Lumen D010TE 120V Input Power: 23W 277V Input Power: 24W 120V Input Current: 0.19A 277V Input Current: 0.09A Inrush 120 (Ap): 0.717 Inrush 277 (Ap): 0.531 Duration 120 (ms): 1.58 Duration 277 (ms): 1.24 THDi 120V: <13% THDi 277V: <20% Input Frequency: 50-60Hz	3000 Lumen D010TE 120V Input Power: 35W 277V Input Power: 34W 120V Input Current: .30A 277V Input Current: .13A THD 120V: <10% THD 277V: <20%	

PHOTOMETRICS



Test Number P112727
 LD8A50D010TE ER8A50835 8LM0LI
 Lumens 5035 Lm
 CCT 3500K

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'	1	1	0	0	2	2	2	1	1	1	1	1	1	1	1	1
2'	8	5	2	1	30	32	30	27	18	27	10	11	10	9	7	9
3'	32	25	12	4	79	88	79	66	61	66	44	50	44	36	36	36
4'	43	36	22	10	87	97	87	70	78	70	64	72	64	53	59	53
5'	39	35	25	14	73	80	73	61	70	61	64	69	64	53	60	53
6'	31	29	23	15	54	58	54	47	53	47	54	57	54	46	52	46
7'	23	22	19	14	39	41	39	35	38	35	42	43	42	37	41	37
8'	17	16	14	12	28	29	28	26	28	26	31	32	31	29	31	29
9'	13	12	11	10	21	21	21	20	20	20	24	24	24	22	23	22
10'	10	9	8	8	16	16	16	15	15	15	18	18	18	17	18	17



Test Number P113111
 LD8A50D010TE ER8A50835 8L110H
 Lumens 4800 Lm
 CCT 3500K

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'	3	2	1	0	8	8	8	7	5	7	4	4	4	3	3	3
2'	16	12	6	2	42	45	42	36	30	36	22	23	22	18	18	18
3'	33	26	14	6	77	86	77	65	61	65	47	51	47	39	39	39
4'	40	34	21	10	80	90	81	65	73	65	61	68	61	50	56	50
5'	35	32	24	14	64	71	66	54	62	55	58	64	59	49	56	49
6'	27	25	21	15	47	50	47	41	46	42	47	51	48	41	46	42
7'	20	19	16	13	33	35	33	30	33	30	36	38	36	32	35	33
8'	14	14	12	11	24	25	24	22	24	22	27	28	27	25	26	25
9'	11	10	9	8	18	18	18	17	17	17	20	21	20	19	20	19
10'	8	8	7	7	13	14	13	13	13	13	15	16	15	15	15	15

EM MULTIPLIER DATA

LUMENS	EM MULTIPLIER	
	7	14
1000	0.47	0.93
1500	0.30	0.61
2000	0.30	0.61
3000	0.17	0.33
4000	0.12	0.24
5000	0.11	0.23
6000	0.09	0.18
6500		0.17
8000		0.15
9000		0.13
10000		0.11
120000		0.09
150000		0.08