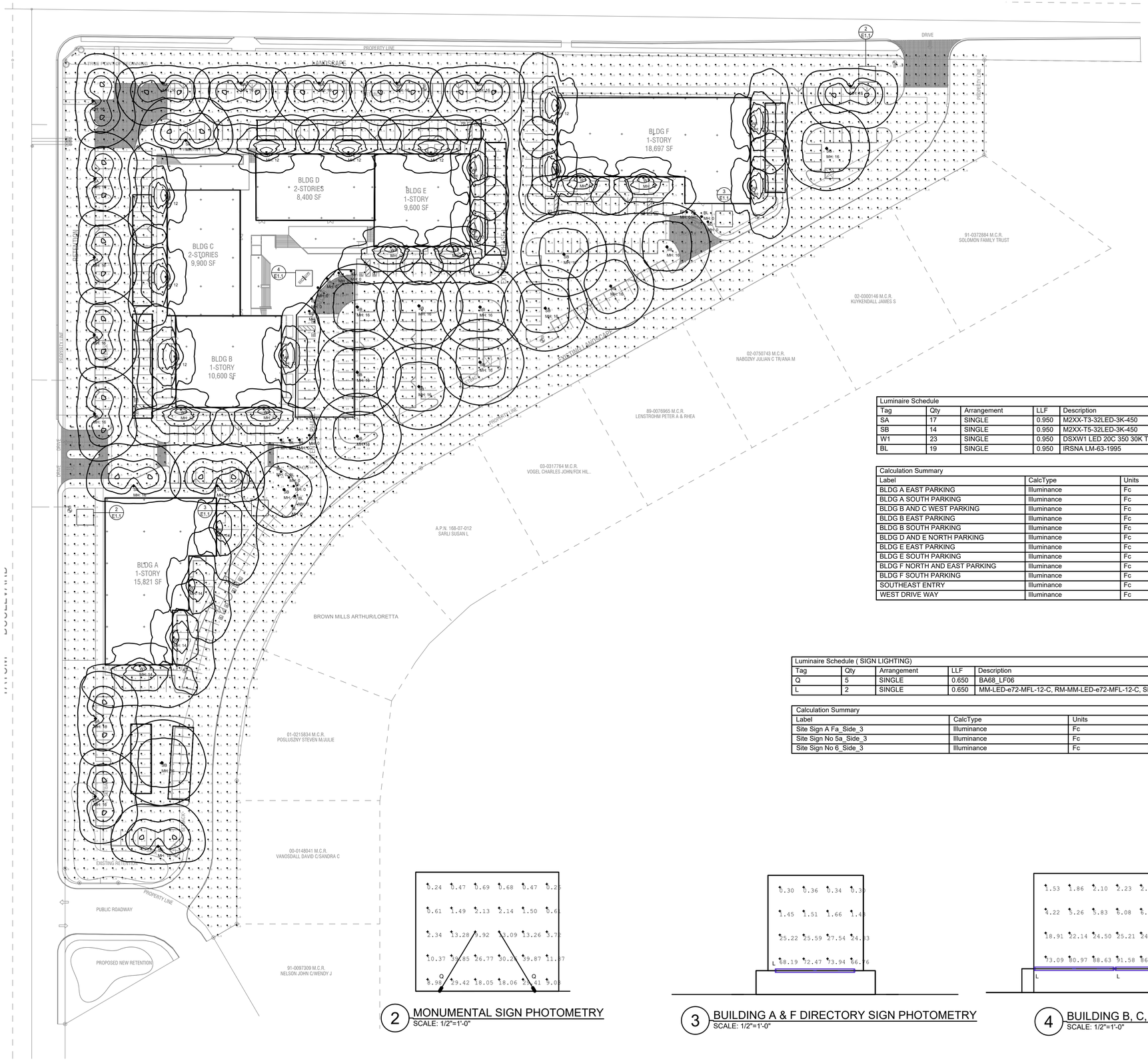


1 PHOTOMETRIC SITE PLAN
1"=40'-0"

Luminaire Schedule							
Tag	Qty	Arrangement	LLF	Description	Mounting Height Above Finished Grade	Lum. Lumens	Lum. Lumens
SA	17	SINGLE	0.950	M2XX-T3-32LED-3K-450	16	3136	3000 k
SB	14	SINGLE	0.950	M2XX-T5-32LED-3K-450	16	3185	3000 k
W1	23	SINGLE	0.950	DSXW1 LED 20C 350 30K T3M MVOLT	12	2760	3000 k
BL	19	SINGLE	0.950	IRSNA LM-63-1995	00	728	3000 k

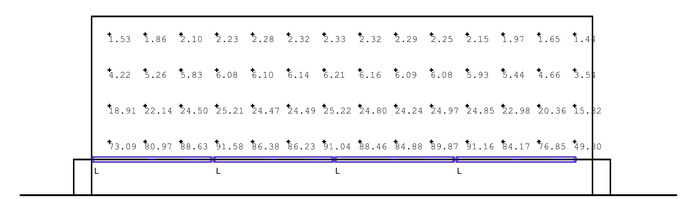
Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
BLDG A EAST PARKING	Illuminance	Fc	0.31	1.7	0.0
BLDG A SOUTH PARKING	Illuminance	Fc	0.26	1.6	0.0
BLDG B AND C WEST PARKING	Illuminance	Fc	0.55	1.7	0.0
BLDG B EAST PARKING	Illuminance	Fc	0.59	2.27	0.07
BLDG B SOUTH PARKING	Illuminance	Fc	0.63	1.7	0.2
BLDG D AND E NORTH PARKING	Illuminance	Fc	0.54	1.6	0.0
BLDG E EAST PARKING	Illuminance	Fc	0.63	1.7	0.1
BLDG E SOUTH PARKING	Illuminance	Fc	0.54	1.7	0.0
BLDG F NORTH AND EAST PARKING	Illuminance	Fc	0.19	1.7	0.0
BLDG F SOUTH PARKING	Illuminance	Fc	0.43	3.5	0.0
SOUTHEAST ENTRY	Illuminance	Fc	0.88	4.32	0.06
WEST DRIVE WAY	Illuminance	Fc	0.55	1.5	0.0

Luminaire Schedule (SIGN LIGHTING)							
Tag	Qty	Arrangement	LLF	Description	MH	Lum. Lumens	Lum. Lumens
Q	5	SINGLE	0.650	BA68_LF06	0	1253	3000 k
L	2	SINGLE	0.650	MM-LED-e72-MFL-12-C, RM-MM-LED-e72-MFL-12-C, SN-MM-LED-e72-MFL-12-C, ST-MM-LED-e	0	176	3000 k

Calculation Summary					
Label	CalcType	Units	Avg	Max	Min
Site Sign A Fa_Side_3	Illuminance	Fc	24.49	73.94	0.30
Site Sign No 5a_Side_3	Illuminance	Fc	28.43	91.58	1.44
Site Sign No 6_Side_3	Illuminance	Fc	11.29	39.87	0.24

2 MONUMENTAL SIGN PHOTOMETRY
SCALE: 1/2"=1'-0"

3 BUILDING A & F DIRECTORY SIGN PHOTOMETRY
SCALE: 1/2"=1'-0"



4 BUILDING B, C, D & E DIRECTORY SIGN PHOTOMETRY
SCALE: 1/2"=1'-0"

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ARIZONA, U.S.A.

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D-Series Size 1
LED Wall Luminaire

Catalog Number	
Notes	
Type	

Hit the Tab key or mouse over the page to see all interactive elements.

d"series

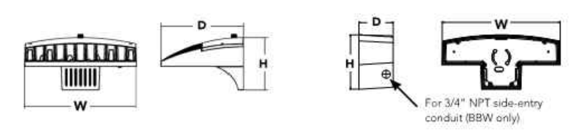
Specifications

Luminaire

Width:	13-3/4" (34.9 cm)	Weight:	12 lbs (5.4 kg)
Depth:	10" (25.4 cm)		
Height:	6-3/8" (16.2 cm)		

Back Box (BBW, ELCW)

Width:	13-3/4" (34.9 cm)	BBW Weight:	5 lbs (2.3 kg)
Depth:	4" (10.2 cm)	ELCW Weight:	10 lbs (4.5 kg)
Height:	6-3/8" (16.2 cm)		



Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

DSXW1 LED

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	10C 10 LEDs (one engine) 20C 20 LEDs (two engines)[1]	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A)[1]	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium ASYDF Asymmetric diffuse	MVOLT[2] 120[3] 208[3] 240[3] 277[3] 347[3,4] 480[3,4]	**Shipped included** (blank) Surface mounting bracket BBW Surface-mounted back box (for conduit entry)[5]	**Shipped installed** PE Photoelectric cell, button type[6] DMG 0-10V dimming driver (no controls; wires pulled outside fixture) PIR 180° motion/ambient light sensor, <15' mtg ht[1,7] PIRH 180° motion/ambient light sensor, 15-30' mtg ht[1,7] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[1,7] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[1,7] ELCW Emergency battery backup (includes external component enclosure), non CEC compliant[8]

Other Options		Finish (required)		
Shipped installed SF Single fuse (120, 277 or 347V)[3,9] DF Double fuse (208, 240 or 480V)[3,9] HS House-side shield[10] SPD Separate surge protection	**Shipped separately**[10] BSW Bird-deterrent spikes WG Wire guard VG Vandal guard DDL Diffused drop lens	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White	DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum	DWHGXD Textured white DSSTXD Textured sandstone

Accessories
Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW1WG U	Wire guard accessory
DSXW1VG U	Vandal guard accessory

NOTES
1 20C 1000 is not available with PIR, PIRH, PIR1FC3V or PIRH1FC3V.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
4 Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
5 Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
6 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
7 Reference Motion Sensor table on page 3.
8 Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
9 Not available with ELCW.
10 Also available as a separate accessory; see Accessories information.

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70CRI) Lumens	B	U	G	LPW	40K (4000 K, 70CRI) Lumens	B	U	G	LPW	50K (5000 K, 70CRI) Lumens	B	U	G	LPW	AMBPC (Amber Phosphor Converted) Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	13W	T2S	1,415	0	0	1	109	1,520	0	0	1	117	1,530	0	0	1	118	894	0	0	1	69
			T2M	1,349	0	0	1	104	1,448	0	0	1	111	1,458	0	0	1	112	852	0	0	1	66
			T3S	1,399	0	0	1	108	1,503	0	0	1	116	1,512	0	0	1	116	884	0	0	1	68
			T3M	1,385	0	0	1	107	1,488	0	0	1	114	1,497	0	0	1	115	876	0	0	1	67
			T4M	1,357	0	0	1	104	1,458	0	0	1	112	1,467	0	0	1	113	858	0	0	1	66
			TFTM	1,411	0	0	1	109	1,515	0	0	1	117	1,525	0	0	1	117	892	0	0	1	69
			ASYDF	1,262	1	0	1	97	1,354	1	0	1	104	1,363	1	0	1	105	797	0	0	1	61
	530mA	19W	T2S	2,053	1	0	1	108	2,205	1	0	1	116	2,220	1	0	1	117	1,264	0	0	1	67
			T2M	1,957	1	0	1	103	2,102	1	0	1	111	2,115	1	0	1	111	1,205	0	0	1	63
			T3S	2,031	1	0	1	107	2,181	1	0	1	115	2,194	1	0	1	115	1,250	0	0	1	66
			T3M	2,010	1	0	1	106	2,159	1	0	1	114	2,172	1	0	1	114	1,237	0	0	1	65
			T4M	1,970	1	0	1	104	2,115	1	0	1	111	2,129	1	0	1	112	1,212	0	0	1	64
			TFTM	2,047	0	0	1	108	2,198	1	0	1	116	2,212	1	0	1	116	1,260	0	0	1	66
			ASYDF	1,831	1	0	1	96	1,966	1	0	1	103	1,978	1	0	1	104	1,127	0	0	1	59
	700 mA	26W	T2S	2,623	1	0	1	101	2,816	1	0	1	108	2,834	1	0	1	109	1,544	0	0	1	59
			T2M	2,499	1	0	1	96	2,684	1	0	1	103	2,701	1	0	1	104	1,472	0	0	1	57
			T3S	2,593	1	0	1	100	2,785	1	0	1	107	2,802	1	0	1	108	1,527	0	0	1	59
			T3M	2,567	1	0	1	99	2,757	1	0	1	106	2,774	1	0	1	107	1,512	0	0	1	58
			T4M	2,515	1	0	1	97	2,701	1	0	1	104	2,718	1	0	1	105	1,481	0	0	1	57
			TFTM	2,614	1	0	1	101	2,808	1	0	1	108	2,825	1	0	1	109	1,539	0	0	1	59
			ASYDF	2,337	1	0	1	90	2,510	1	0	1	97	2,525	1	0	1	97	1,376	1	0	1	53
	1000 mA	39W	T2S	3,685	1	0	1	94	3,957	1	0	1	101	3,982	1	0	1	102	2,235	1	0	1	57
			T2M	3,512	1	0	1	90	3,771	1	0	1	97	3,794	1	0	1	97	2,130	1	0	1	55
			T3S	3,644	1	0	1	93	3,913	1	0	1	100	3,938	1	0	1	101	2,210	1	0	1	57
			T3M	3,607	1	0	1	92	3,873	1	0	1	99	3,898	1	0	1	100	2,187	1	0	1	56
			T4M	3,534	1	0	2	91	3,796	1	0	2	97	3,819	1	0	2	98	2,143	1	0	1	55
			TFTM	3,673	1	0	1	94	3,945	1	0	1	101	3,969	1	0	1	102	2,228	1	0	1	57
			ASYDF	3,284	1	0	2	84	3,527	1	0	2	90	3,549	1	0	2	91	1,992	1	0	1	51
20C (20 LEDs)	350mA	23W	T2S	2,820	1	0	1	123	3,028	1	0	1	132	3,047	1	0	1	132	1,777	1	0	1	77
			T2M	2,688	1	0	1	117	2,886	1	0	1	125	2,904	1	0	1	126	1,693	1	0	1	74
			T3S	2,789	1	0	1	121	2,994	1	0	1	130	3,014	1	0	1	131	1,757	0	0	1	76
			T3M	2,760	1	0	1	120	2,965	1	0	1	129	2,983	1	0	1	130	1,739	1	0	1	76
			T4M	2,704	1	0	1	118	2,905	1	0	1	126	2,922	1	0	1	127	1,704	1	0	1	74
			TFTM	2,811	1	0	1	122	3,019	1	0	1	131	3,038	1	0	1	132	1,771	0	0	1	77
			ASYDF	2,514	1	0	1	109	2,699	1	0	1	117	2,716	1	0	1	118	1,584	1	0	1	69
	530 mA	35W	T2S	4,079	1	0	1	117	4,380	1	0	1	125	4,407	1	0	1	126	2,504	1	0	1	72
			T2M	3,887	1	0	1	111	4,174	1	0	1	119	4,201	1	0	1	120	2,387	1	0	1	68
			T3S	4,033	1	0	1	115	4,331	1	0	1	124	4,359	1	0	1	125	2,477	1	0	1	71
			T3M	3,993	1	0	2	114	4,288	1	0	2	123	4,315	1	0	2	123	2,451	1	0	1	70
			T4M	3,912	1	0	2	112	4,201	1	0	2	120	4,227	1	0	2	121	2,402	1	0	1	69
			TFTM	4,066	1	0	2	116	4,366	1	0	2	125	4,394	1	0	2	126	2,496	1	0	1	71
			ASYDF	3,636	1	0	2	104	3,904	1	0	2	112	3,928	1	0	2	112	2,232	1	0	1	64
	700 mA	46W	T2S	5,188	1	0	1	113	5,572	1	0	1	121	5,607	1	0	1	122	3,065	1	0	1	67
			T2M	4,945	1	0	2	108	5,309	1	0	2	115	5,343	1	0	2	116	2,921	1	0	1	64
			T3S	5,131	1	0	2	112	5,510	1	0	2	120	5,544	1	0	2	121	3,031	1	0	1	66
			T3M	5,078	1	0	2	110	5,454	1	0	2	119	5,487	1	0	2	119	3,000	1	0	1	65
			T4M	4,975	1	0	2	108	5,343	1	0	2	116	5,376	1	0	2	117	2,939	1	0	1	64
			TFTM	5,172	1	0	2	112	5,554	1	0	2	121	5,589	1	0	2	122	3,055	1	0	1	66
			ASYDF	4,624	1	0	2	101	4,965	1	0	2	108	4,996	1	0	2	109	2,732	1	0	1	59
	1000 mA	73W	T2S	7,204	1	0	2	99	7,736	2	0	2	106	7,784	2	0	2	107	4,429	1	0	1	61
			T2M	6,865	1	0	2	94	7,373	2	0	2	101	7,419	2	0	2	102	4,221	1	0	1	58
			T3S	7,125	1	0	2	98	7,651	1	0	2	105	7,698	1	0	2	105	4,380	1	0	1	60
			T3M	7,052	1	0	2	97	7,573	2	0	2	104	7,620	2	0	2	104	4,335	1	0	2	59
			T4M	6,909	1	0	2	95	7,420	1	0	2	102	7,466	1	0	2	102	4,248	1	0	2	58
			TFTM	7,182	1	0	2	98	7,712	1	0	2	106	7,761	1	0	2	106	4,415	1	0	2	60
			ASYDF	6,421	2	0	2	88	6,896	2	0	3	94	6,938	2	0	3	95	3,947	1	0	2	54

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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW1 LED 20C 1000** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.93	0.88

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A) 120V	208V	240V	277V	347V	480V
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

Motion Sensor Default Settings

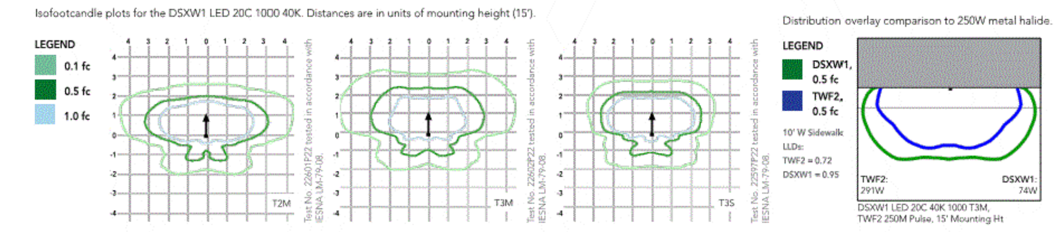
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use with Inline Dusk to Dawn or timer

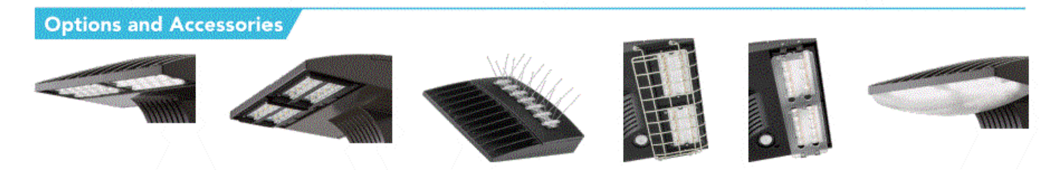
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 1 homepage.

Isofootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').



Options and Accessories



FEATURES & SPECIFICATIONS

INTENDED USE
The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION
Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

ELECTRICAL
Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION
Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS
CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY
Five-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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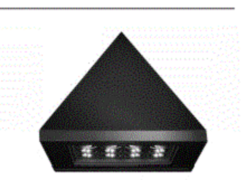
1 LUMINAIRE TYPE "W1/W2"
NTS

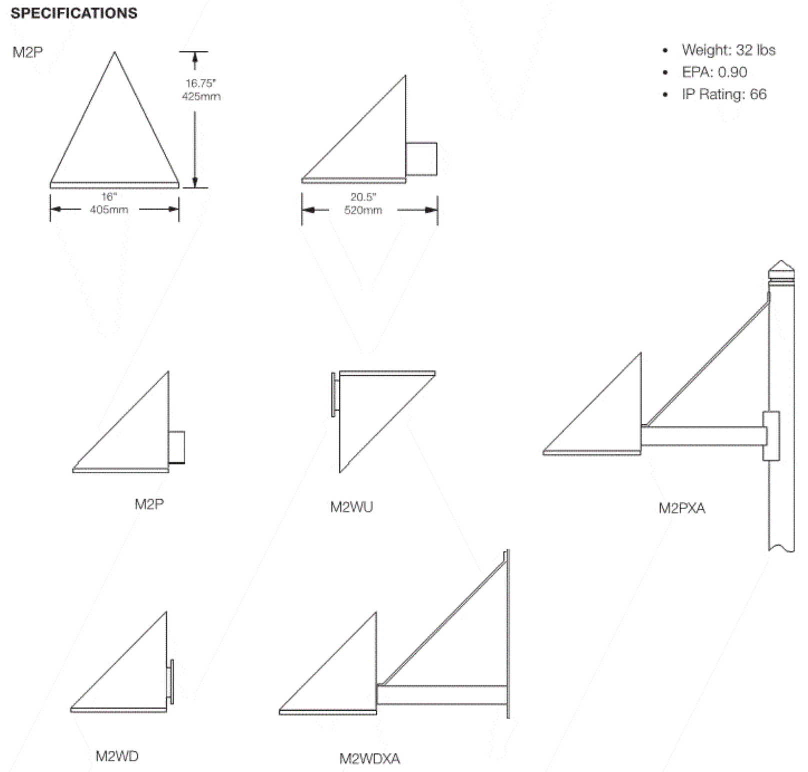
Mitre™ LED– M2 | TYPE

FEATURES
- Reliable, uniform, glare free illumination
- Types II, III, IV, V and custom distributions[1]
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral surge suppression
- LifeShield™ thermal protection
- 13 standard powder coat finishes
- Upgrade Kits



SPECIFICATIONS

- Weight: 32 lbs
- EPA: 0.90
- IP Rating: 66



3000K and warmer CCTs in downlight only

Mitre™ LED– M2 | TYPE

ORDERING CODE

1	2	3	4	5	6	7
M2P						
Model	Light Engine	CCT	Drive Current	Finish	Options	Controls

1. MODEL

Pole Mounted
- M2P *Side mount, specify 4"Ø, 5"Ø or Square Pole*
- M2PXA *Side mount with extended arm, 4"Ø pole only*

Wall Mounted
- M2WU *Uplight with clear flat glass lens*
- M2WD *Downlight*
- M2WDXA *Downlight with extended arm*

2. LIGHT ENGINE
- T2-32LED *Type II*
- T3-32LED *Type III*
- T4-32LED *Type IV*
- T5-32LED *Type V*
- TL-32LED *45° Left output*
- TR-32LED *45° Right output*

3. COLOR TEMPERATURE
- 3K *3000K CCT, 70CRI*
- 4K *4000K CCT, 70CRI*
- 5K *5000K CCT, 70CRI*

Additional CCT's and 560nm monochromatic amber available by request.[1]

4. DRIVE CURRENT
- 700 *700mA, 75 watts*
- 450 *450mA, 48 watts*

5. FINISH
- WH *Arctic White*
- BL *Black*
- BLT *Matte Black*
- DB *Dark Bronze*
- DGN *Dark Green*
- TT *Titanium*
- WDB *Weathered Bronze*
- MDB *Bronze Metallic*
- VBU *Verde Blue*
- CRT *Corten*
- MAL *Matte Aluminum*
- MG *Medium Grey*
- AGN *Antique Green*
- LG *Light Grey*

Premium Color
- SHK *Shamrock*
- SPP *Salt and Pepper*
- SFM *Seafoam*
- WCP *Weathered Copper*
- RAL *RAL 4 digit Color*
- CUSTOM *Custom Color*

6. OPTIONS
- HSS *House Side shield for Type 4*
- LDL *Lightly diffused lens*
- CLR *Clear flat glass secondary lens, not for M2WU*

7. CONTROLS
SCP (Sensor Control Programmable) pole accessory is available to provide occupancy detection for outdoor applications meeting California Title 24. For complete spec sheet and ordering information, visit www.aal.net/products/sensor_control_programmable/

[1] *Consult factory*

Mitre™ LED– M2 | TYPE

LUMINAIRE PERFORMANCE

Optical System	Secondary Lens or Shield	Distribution	Light Engine	3K Delivered Lumens	3K Efficacy (lm/w)	3K Bug B	U	G	4K Delivered Lumens	4K Efficacy (lm/w)	4K Bug B	U	G	5K Delivered Lumens	5K Efficacy (lm/w)	5K Bug B	U	G	Drive Current (ma)	System Watts
MicroCore	No Lens (Standard)	TYPE 2	T2-32LED	4934	66	1	0	1	6202	83	2	0	2	6668	89	2	0	2	700	75
		TYPE 3	T3-32LED	4901	65	1	0	1	6159	82	2	0	2	6623	88	2	0	2		
		TYPE 4	T4-32LED	4937	66	1	0	2	6256	83	1	0	2	6701	89	1	0	2		
		TYPE 5	T5-32LED	4977	66	3	0	1	6254	83	3	0	1	6725	90	3	0	1		
		45° LEFT	TL-32LED	5023	67	1	0	2	6014	80	1	0	2	6609	88	1	0	2		
		45° RIGHT	TR-32LED	5023	67	1	0	2	6014	80	1	0	2	6609	88	1	0	2		
	House Side Shield	TYPE 4	T4-32LED-...-HSS	3724	50	0	0	2	4459	59	0	0	2	4900	65	0	0	2		
	No Lens (Standard)	TYPE 2	T2-32LED	3158	64	1	0	1	3969	81	1	0	1	4268	87	1	0	1	450	49
		TYPE 3	T3-32LED	3136	64	1	0	1	3942	80	1	0	1	4238	86	1	0	1		
		TYPE 4	T4-32LED	3160	64	0	0	1	4004	82	0	0	1	4289	88	0	0	1		
		TYPE 5	T5-32LED	3185	65	2	0	1	4002	82	2	0	1	4304	88	2	0	1		
		45° LEFT	TL-32LED	3215	66	0	0	1	3849	79	1	0	1	4230	86	1	0	2		
		45° RIGHT	TR-32LED	3215	66	0	0	1	3849	79	1	0	1	4230	86	1	0	2		
	House Side Shield	TYPE 4	T4-32LED-...-HSS	2383	49	0	0	1	2854	58	0	0	1	3136	64	0	0	1		

ELECTRICAL CHARACTERISTICS

Optical System	Ordering Code		LED Drive mA	System Watts	Line Voltage VAC	HZ	Amps AC 120	277	Min. Power Factor	Max THD (%)	Operating Temp. Range	Dimming Range	Source current out of 0-10V purple wire Min	Typical	Max	Absolute voltage range on 0-10V (+) purple wire Min	Typical	Max
MicroCore	32LED	700	700	75	120-277	50/60	0.63	0.27	≥.9	20	-30°C TO +40°C	10% TO 100%	0 MA	-	4 mA	-2.0 V	-	+15 V
		450	450	49			0.41	0.18										

LED COLOR

	Ordering Code 3K	4K	5K
CCT Average	3000K	4000K	5000K
CRI Minimum	≥ 80	≥ 70	≥ 70

TM-21 LIFETIME CALCULATION

Optical System	Ordering Code	Ambient Environment °C	Projected Lumen Maintenance (% vs. Khrs) 15	25	50	60	100	Reported L70
MicroCore	32LED	15	93	91	87	84	78	>60Khrs
		25	93	91	87	85	78	
		40	93	91	87	85	78	

Mitre™ LED– M2 | TYPE

SPECIFICATIONS

HOUSING
- All housing and mounting components shall be cast aluminum 356 alloy and sealed with continuous silicone rubber gaskets.
- Standard configurations do not require a flat lens, optional lenses shall be tempered glass
- All internal and external hardware shall be stainless steel.
- Optical bezel finish shall match the luminaire housing.

OPTICAL
- Patent pending MicroCore™ LED modules shall independently aim each light emitting diode (LED) in both horizontal rotation and vertical tilt angle.
- LEDs shall be mounted to a metal printed circuit board assembly (PCBA) with a uniform conformal coating over the panel surface and electrical features.
- LED optics shall be clear injection molded PMMA acrylic.
- MicroCore™ PCBA and optic shall be sealed to a die-cast anodized aluminum heat sink with an injection molded silicone rubber gasket. IP66.
- Type 4 distribution with optional House Side Shield not available with clear or diffused glass lenses. Factory installed House Side Shield is optimized for Type 4 distribution and not recommended for use with Type 2 or 3 distribution and not available with type 5 distribution.

ELECTRICAL
- Luminaires shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J.
- Drivers shall be U.L recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC.
- Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems, approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV.
- LifeShield™ shall be provided with all configurations for added protection in the event of abnormally excessive high ambient temperature conditions.

CONTROLS
- SCP shall have an integral surge protection device with a currentt rating of 10,000 Amps using the industry standard 8/20uSec wave and sure rating of 372J
- Sensor not intended for use with additional photo-control, wireless control or dimming systems.

PHOTOCELL / EGRESS ADAPTERS
- Adapter(s) shall slip over a 4"/100mm DIA. pole with the luminaire or arm slipping over the adapter to add a total of 4.5"/114mm to the overall height. Adapter(s) shall be prewired, independently rotatable 359°, and have a cast access cover with an integral lens and lanyard.
- Photocell adapter shall include an internal twist lock receptacle. Photocell by others.
- Egress adapter shall require an auxiliary 120 volt supply for operation of an integral MR16 lamp in the event of emergency. The lamp may be aimed and locked into position with an adjustment range of 15°-45°. Adapter shall have a socket that accepts miniature bi-pin MR16 lamps up to 50 watts, lamp by others.

SERVICING
- The lens frame shall swing down for service access by loosening two captive bolts.
- Driver and surge suppressor shall be mounted to a prewired tray with quick disconnects that may be removed from the gear compartment.

INSTALLATION AND MOUNTING (ARM MOUNTING)
- The cast arm shall be contoured to fit a four or five inch diameter pole.
- The wall mounting plate shall be cast aluminum and fully gasketed and shall require mounting hardware by others.

FINISH
- Luminaire finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish.
- Luminaire finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

CERTIFICATION
- Luminaire shall be listed with ETL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250.

WARRANTY / TERMS AND CONDITIONS OF SALE
Download:
http://www.hubbelllighting.com/resources/warranty/

2 LUMINAIRE TYPE "SA/SB"
NTS

OMID M. MOTTAHED

orcutt winslow
2929 n central ave
eleventh floor
phoenix arizona 85012

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602.257.9029 f

www.owp.com

REGISTERED ARCHITECT CERTIFICATE NO. NOT FOR CONSTRUCTION Date Signed ARIZONA, U.S.A.

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EXPIRES 06/30/19

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Mountain View Medical Center Redevelopment
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Paradise Valley, Arizona 85253

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PROJECT NO.	DATE OF ISSUE
2018_041	**11.01.2018**
REVISION NO.	DATE
1	**09.26.2018**
2	**11.01.2018**

PROJECT TEAM	DRAWN BY
John Cantrell	**BD**

PROJECT PHASE
SUP major amendment Review #3

SHEET CONTENTS
photometric light fixture cut sheets

SHEET NO.
E-1.2

the power of dimming adjust-e-lume® TECHNOLOGY

DELTA STAR™

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

CATALOG NUMBER LOGIC

Example: - DS - LED - e65 - SP - A7 - BZW - 12 - 11 - A - 360SL

Material
- **Blank** - Aluminum
- **B** - Brass
- **S** - Stainless Steel

Series
- **DS** - Delta Star™

Source
- **LED** - 'e' Technology with Integral Dimming Driver (See Specifications for Dimming) *Designed for use with remote 12VAC BK551 Transformers. Requires magnetic Low Voltage dimmer*

LED Type
- **e64** - 7WLED/2.7K
- **e65** - 7WLED/3K
- **e66** - 7WLED/4K
- **e74** - 7WLED/Amber

Optics*
- **NSP** - Narrow Spot (Red Indicator)
- **SP** - Spot (Green Indicator)
- **MFL** - Medium Flood (Yellow Indicator)
- **WFL** - Wide Flood (Blue Indicator)

Adjust-e-Lume® Output Intensity *(Choose factory setting)*
- **A9** (Standard), **A8, A7, A6, A5, A4, A3, A2, A1**

Finish

Aluminum Finish		
Powder Coat Color	Satin	Wrinkle
Bronze	BZP	BZW
Black	BLP	BLW
White (Gloss)	WHP	WHW
Aluminum	SAP	—
Verde	—	VER

Brass Finish	
Machined	MAC
Polished	POL
Milcoat™	MIT

Stainless Finish	
Machined	MAC
Polished	POL
Brushed	BRU (satin) or (as req.)

Premium Finish			
ABP	Antique Brass Powder	CMG	Cascade Mountain Granite	RMG	Rocky Mountain Granite
AMG	Aleutian Mountain Granite	CRI	Cracked Ice	SDS	Sonoran Desert Sandstone
AQW	Antique White	CRM	Cream	SMG	Sierra Mountain Granite
BCM	Black Chrome	HUG	Hunter Green	TXF	Textured Forest
BGE	Beige	MDS	Mojave Desert Sandstone	WCP	Weathered Copper
BPP	Brown Patina Powder	NBP	Natural Brass Powder	WIR	Weathered Iron
CAP	Clear Anodized Powder	OCP	Old Copper		Also available in RAL Finishes. See submittal SUB-1439-00

Lens Type
- **12** - Soft Focus Lens
- **13** - Rectilinear Lens

Shielding
- **11** - Honeycomb Baffle

Cap Style
- **A** - 45°
- **B** - 90°
- **D** - 45° less Weep Hole *(Interior Use Only)*
- **E** - 90° less Weep Hole *(Interior Use Only)*

Option
- **360SL** - 360SL™ Rotational Knuckle Mounting System

DRIVER DATA	Input Volts	Inflush Current	Operating Current	Dimmable	Operation Ambient Temperature
	12VAC/DC 50/60Hz	<250mA (non-dimmed)	700mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI (Typ.)
e64	2700K	7.0	80
e65	3000K	7.0	80
e66	4000K	7.0	80
e74	Amber (590nm)	7.0	–

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens(L70)
50,000
50,000
50,000
50,000

*OPTICAL DATA

Beam Type	Angle	e66 CBCP	Visual Indicator
Narrow Spot	13°	6889	Red Dot
Spot	15°	5225	Green Dot
Medium Flood	23°	1984	Yellow Dot
Wide Flood	31°	1300	Blue Dot

B-K LIGHTING	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com	RELEASED 06-07-16	DRAWING NUMBER SUB000930

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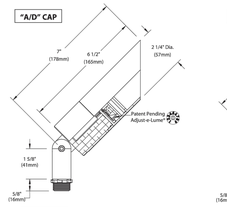
3 LUMINAIRE TYPE "Q"
NTS

the power of dimming adjust-e-lume® TECHNOLOGY

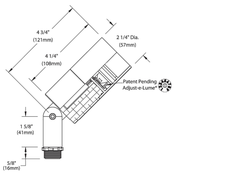
DELTA STAR™

PROJECT:	
TYPE:	

"A/D" CAP



"B/E" CAP



360 SL™

Horizontal Rotation (Optional 360SL™ Knuckle)

Accessories *(Configure separately)*

All dimensions indicated on this submittal are nominal.
Contact Technical Sales if you require more stringent specifications.

Mounting:

Remote Transformers:

SPECIFICATIONS

GreenSource Identified
Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials
Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

Body
Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle
The LOCK™ Locking 'O' Ring Compression Knuckle(s) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical lock-out allows a 360° vertical adjustment. Knuckle is machined from solid billet for maximum strength. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. ½" pipe thread for mounting.

Optional 360SL™ additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap
Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), or 1° deep bezel with 90° cutoff ('B' or 'E') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Lens
Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL*
Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnect. Current fixture configuration with 90° forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver, 12VAC/VDC input, 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, over-circuit, and short circuit protected. Inrush current limited to 250mA (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

Dimming
Line voltage dimmable via magnetic low voltage dimmer. For use with low voltage dimmer with dedicated neutral conductor. For purposes of dimming: Remote magnetic transformer with BK551™ Power of 'e' technology loads should be loaded to 25% of the transformer VA (watts) rated value.

Remote Transformer
For use with 12VAC BK551™ remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

Adjust-e-Lume® (Pat. Pending)
Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output intensity.

Optics
Interchangeable OPTIBOT™ modules permit field changes to optical distribution. Color-coded for easy reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood (WFL) = Blue.

Wiring
Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware
Tamper-resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance.

Finish
StarGuard™ our exclusive Rohs compliant, 15 stage powder-free, non-chrome dichromate conversion coat aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

Warranty
5 year limited warranty.

Certification and Listing
ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ ANSI Standards. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA.

*Triflon is a registered trademark of DuPont Corporation.
*Energy Star is a registered trademark of the United States Environmental Protection Agency.

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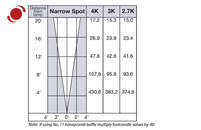
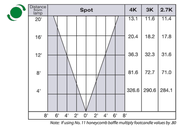
adjust-e-lume® TECHNOLOGY

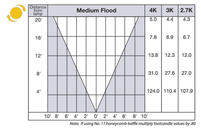
Select OptiBK™ for desired distribution

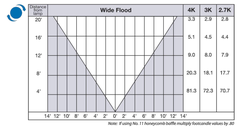
RED	Narrow Spot (NSP)
GREEN	Spot (SP)
YELLOW	Medium Flood (MFL)
BLUE	Wide Flood (WFL)

Set adjust-e-lume® Dial to desired output









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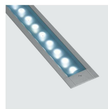
Linealuce

Design Jean Michel Wilmotte | iGuzzini

may 2015



Linealuce

code
BA68

Technical description
Luminaire with direct wall-washer emission designed for use with LED sources. Monochromatic, with plate for 28x1W Warm White (3100K) LEDs, optic with plastic lenses, FLOOD version. Complete with lamp and built-in electronic ballast. Extruded aluminium body subjected to phosphochromatisation treatment, double primer, passivation at 120° C, die-cast aluminium end caps with 50/60 Shore A silicone gaskets subjected to post-cooling treatment at 200°C C. Acrylic liquid paint finish with high resistance to atmospheric agents and UV rays; baking at 150°C. The optical assembly is closed with sodium-calcium tempered transparent clear semi-acid finished glass with antislip properties (in compliance with R12 class according to DIN 51130), 4mm thickness, fixed with silicone. Alluminium outer casing for installation with technopolymer caps to be ordered separately Ready for through wiring by means of two PG11 nickel-plated brass cable clamps suitable for a 6.5÷11mm cables contained in thermoplastic box fixed to the optical assembly. All external screws are made of stainless steel A2.

Installation
Recessed installation in pavement, wall and ceiling with outer casing to be ordered separately.

Size (mm)
1268x101x117

Colour
Grey (15)

Weight (kg)
6.30

Mounting
wall recessed | ceiling recessed | ground recessed

Wiring info
Electronic ballast inside the luminaire, 220÷240V 50÷60Hz.

Notes
Available with Cool White (6700K), red, green and amber LED on demand. Available accessories: chromatic filters, outer casing and safety cables for wall and ceiling installation.

Complies with EN60598-1 and pertinent regulations

850°C IK10 IP67

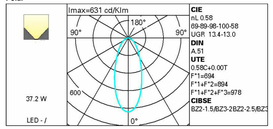
Product configuration: BA68+LED
LED: LED warm white

Product characteristics
Total lighting output [Lm]: 1253.38
Total power [W]: 37.2
Luminous efficacy (lm/W): 33.69
Life Time: 50.000h - L70 - B20 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics 1
Light Output Ratio (L.O.R.) [%]: 58
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 32
Nominal luminous [Lm]: 2163
Lamp maximum intensity [cd]: /
Beam angle [°]: 42°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 5.2
Colour temperature [K]: 3200
CRI: 80
Wavelength [Nm]: /
MacAdam Step: <3

BA68_EN 1 / 2

Polar



BA68_EN 2 / 2

4 LUMINAIRE TYPE "L"
NTS

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eleventh floor
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www.owp.com

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Date Issued
ARIZONA, U.S.A.

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PROJECT NO.	DATE OF ISSUE
2018_041	11.01.2018

REVISION NO.	DATE
1	09.26.2018
2	11.01.2018

PROJECT TEAM	DRAWN BY
John Cantrell	BD

PROJECT PHASE
SUP major amendment Review #3

SHEET CONTENTS
photometric light fixture cut sheets

SHEET NO.
E-1.3

OMID M. MOTTAHED

PARADOX 10

19W LED

10" Architectural In-Grade

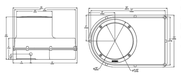
LED IP67

Suitable For Wet Locations

CATALOG NUMBER	
NOTES	
TYPE	ST1

Specifications

L:	18" 457 mm
W:	12" 305 mm
H:	12" 305 mm



DESCRIPTION

Hydrel's Paradox Series sealed modular in-grade luminaires are multi-purpose units designed for up lighting architectural and landscape features. These units can be flush mounted into a variety of substrates including concrete or tile, or landscape materials, and are ideal when aperture size or luminaire depth is a priority.

ORDERING INFORMATION

EXAMPLE: PDX10 B 18LED WHT30K MVOLT NSP FLC 34S

Model*	Door Material*	LED Type*	LED Color*	Voltage*	Light Distribution*
PDX10	SS Stainless Steel BSS† Brushed Stainless Steel B Bronze	18LED 18 Chip LED array	WHT30K 3000K CCT WHT41K 4100K CCT WHT53K 5300K CCT AMBPC Phosphor Converted Amber BLU Blue GRN Green RED Red	MVOLT (120 - 277V)	NSP Narrow Spot MFL Medium Flood FL Flood WFL Wide Flood VWFL† Very Wide Flood (no optics) HSP Horizontal Spot HFL Horizontal Flood

Lens*	Conduit Entries*	Accessories	Options	Listing
FLC Flat Lens Clear FLCAS† Flat Lens Clear, Anti-Slip FLCSR‡* Flat Lens Frosted, Slip Resistant	34S Two 3/4" NPT Side (Standard) 25S* Two 25mm Side	Internal IHL Internal Honeycomb Louver FRF Frosted Filter External RG Decorative Rock Guard	LDIM 0-10V Dimming	IEC* International Electrotechnical Commission

*Required Categories

Notes:

1 Not available with Decorative Rock Guard.
2 FRF filter needed with VWFL
3 Meets ADA requirements for coefficient of friction.
4 Only for use in 50HZ applications.

HYDREL

9144 Deering Avenue, Second Floor • Chatsworth, CA 91311
Phone: 866.533.9901 • www.hydrel.com

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Rev. 03/27/17
PDX10_LED_MONO

ST1

PERFORMANCE DATA

IP67

LUMEN OUTPUT

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

	Distribution	Narrow Type	Beam Angle (50%) H x V	Field Angle (10%) H x V	Watts	LPW	Delivered Lumens
3000K 80CRI	NSP	2 x 2	14.8 x 14.8	27.1 x 27.1	19	53	1,000
	MFL	6 x 6	35.7 x 35.7	109 x 109	19	54	1,000
	FL	5 x 5	75.8 x 56.2	95.7 x 83.4	19	48	900
	WFL	7 x 7	114.2 x 114.2	136.1 x 136.1	19	54	1,000
	HSP	3 x 3	20.8 x 20.8	38.9 x 38.9	20	57	1,100
	HFL	4 x 3	40.5 x 15.6	60.8 x 30.4	20	48	950
	VWFL	7 x 7	110.2 x 110.2	141 x 141	18	45	800
4100K 70CRI	NSP	2 x 2	14.8 x 14.8	27.1 x 27.1	19	90	1,700
	MFL	6 x 6	35.7 x 35.7	109 x 109	19	91	1,700
	FL	5 x 5	75.8 x 56.2	95.7 x 83.4	19	79	1,500
	WFL	7 x 7	114.2 x 114.2	136.1 x 136.1	19	90	1,700
	HSP	3 x 3	20.8 x 20.8	38.9 x 38.9	20	96	1,900
	HFL	4 x 3	40.5 x 15.6	60.8 x 30.4	20	80	1,600
	VWFL	7 x 7	110.2 x 110.2	141 x 141	18	77	1,400
5300K 70CRI	NSP	2 x 2	14.8 x 14.8	27.1 x 27.1	19	90	1,700
	MFL	6 x 6	35.7 x 35.7	109 x 109	19	91	1,700
	FL	5 x 5	75.8 x 56.2	95.7 x 83.4	19	79	1,500
	WFL	7 x 7	114.2 x 114.2	136.1 x 136.1	19	90	1,700
	HSP	3 x 3	20.8 x 20.8	38.9 x 38.9	20	96	1,900
	HFL	4 x 3	40.5 x 15.6	60.8 x 30.4	20	80	1,600
	VWFL	7 x 7	110.2 x 110.2	141 x 141	18	77	1,400

LED LIFE: 170/60,000 hours

OPERATING TEMPERATURE: -30°C Through 40°C

LAMP ADJUSTMENT DETAIL

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **Fixture** platform in a **25°C ambient**, based on 8400 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1	0.99	0.98	0.96

Electrical Load

			Current (A)					
Light Engines	Drive Current (mA)	System Watts	120	208	240	277	347	480
18 LED	350mA	19	0.16	0.09	0.08	0.07	0.05	0.04

Slip Resistance and Load Rating

PDX10
MAXIMUM LOAD RATING
Peak compression force of 6,944 lbs.
LENS STATIC COEFFICIENT OF FRICTION
PDX10 Anti-Slip Lens (FLCAS): Dry = 0.76; Wet = 0.20
PDX10 Slip Resistant Lens (FLSR): Dry = 0.84; Wet = 0.65

FEATURES & SPECIFICATIONS

DOOR MATERIAL: Die cast bronze or stainless steel.

HOUSING: Compression molded polyester with patent pending internal direct access junction box for through-branch wiring. Internal junction box provides 44 in³ volume to ensure proper seal during installation. The housing is UV stabilized, impact and corrosion resistant for use in all types of environments. The housing has a side-car configuration and houses the lamp and power module components as well as the lens' door finishing section.

LED TYPE: Monochromatic and White LEDs, 19W, 18 chip arrays.

VOLTAGE: See Ordering Guide.

LIGHT DISTRIBUTION: See ordering guide. LED module has 15° of internal tilt and 360° of rotation.

LENS/SEAL: Tempered clear flat borosilicate glass. The patent pending door/lens seal uses proprietary knife edge technology to secure the assembly to the housing. Four captive screws hold the assembly in place. The lens is notched to provide maximum aperture opening.

CONDUIT ENTRIES: Two molded ¾" NPT side entries standard, bottom hubs are molded with a ¾" NPT membrane knockout.

POWER MODULE: Integrally mounted modular LED driver.

ACCESSORIES: See Ordering Guide.

FINISH: Natural bronze, stainless steel, or stainless steel with a brushed finish.

LISTING: UL, C.U.L., IP67

WARRANTY: 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

HYDREL
An Acuity Brands Company

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Rev. 03/27/17
PDX10_LED_MONO

6 LUMINAIRE TYPE "ST1"
NTS

LED bollards with unshielded light

Type:
BEGA Product:
Project:
Voltage:
Color:
Options:
Modified:

Post construction: Constructed of copper-free extruded and die-cast aluminum. Die-castings are marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy.

Lamp enclosure: Die-cast aluminum post cap with three-ply opal glass diffuser with screw neck. Fully gasketed for weather tight operation using high temperature silicone gasket.

Electrical: 8.2W LED luminaire, 12.5 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V dimming. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 3000K with a >90 CRI. Available in 4000K (>90 CRI); add suffix K4 to order.

Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Anchor base: Heavy cast aluminum, slotted for precise alignment. Mounts to BEGA 79 824 anchorage kit. Bollard secures to base with one stainless steel set screw. The mounting system allows the luminaire to be adjusted independent of anchor bolt orientation.

Finish: All BEGA standard finishes are polyester powder coat with minimum 3 mil thickness. Available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP65

Weight: 11.5 lbs.

Luminaire lumens: 728

	Lamp	A	B	Anchorage
77743	8.2W LED	5 ½	35 ½	79817

BEGA-US 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 FAX (805) 566-9474 www.bega-us.com

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5 LUMINAIRE TYPE "BL"
NTS

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phoenix arizona 85012

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602.257.9029 f

www.owp.com

REGISTERED ARCHITECT
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ARIZONA, U.S.A.

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SHEET NO.

E-1.4

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