



D-Series LED Bollard



d-series

Specifications

Diameter: 8" Round
(20.3 cm)

Height: 42"
(106.7 cm)

Weight (max): 27 lbs
(12.25 kg)



SB1(A) & SB1(S)

Notes

Type

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

Introduction

The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Ordering Information

EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBXD

DSXB LED								
Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Control options	Other options	Finish <i>(required)</i>
DSXB LED	Asymmetric	350 350 mA	30K 3000 K	ASY Asymmetric¹	MVOLT⁵	Shipped installed	Shipped installed	DWHXD White
	12C 12 LEDs¹	450 450 mA^{3,4}	40K 4000 K	SYM Symmetric²	120⁵	PE Photoelectric cell, button type	SF Single fuse (120, 277, 347V)^{4,7}	DNAXD Natural aluminum
		530 530 mA	50K 5000 K		208⁵	DMG 0-10V dimming driver (no controls)	DF Double fuse (208, 240V)^{4,7}	DDBXD Dark bronze
	Symmetric	700 700 mA	AMBPC Amber phosphor converted		240⁵	ELCW Emergency battery backup⁶	H24 24" overall height	DBLXD Black
	16C 16 LEDs²		AMBLW Amber limited wavelength^{3,4}		277⁵		H30 30" overall height	DBTDX Textured dark bronze
					347⁴		H36 36" overall height	DBLBXD Textured black
							FG Ground-fault festoon outlet	DNATXD Textured natural aluminum
							L/AB Without anchor bolts	DWHGXD Textured white
							L/AB4 4-bolt retrofit base without anchor bolts⁸	

SB1 (A) DSXB LED 12C 700 30K ASY

SB1 (S) DSXB LED 16C 350 30K SYM

Accessories

Ordered and shipped separately.

MRAB U Anchor bolts for DSXB⁸

NOTES

- Only available in the 12C, ASY version.
- Only available in the 16C, SYM version.
- Only available with 450 AMBLW version.
- Not available with ELCW.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
- Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
- MRAB U not available with L/AB4 option.



Performance Data

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. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current	System Watts	3000 K					4000 K					5000 K					Limited Wavelength Amber				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
Asymmetric 3 Engines (12 LEDs)	350	16	715	45	1	0	1	889	56	1	0	1	953	60	1	0	1					
	530	22	985	45	1	0	1	1,239	56	1	0	1	1,334	61	1	0	1					
	700	31	1,263	41	1	0	1	1,588	51	1	0	1	1,712	55	1	0	1					
	Amber 450	16																348	22	1	0	1
Symmetric 4 Engines (16 LEDs)	350	20	923	46	1	0	1	1,161	58	1	0	1	1,251	63	1	0	1					
	530	28	1,274	46	1	0	1	1,603	57	1	0	1	1,726	62	1	0	1					
	700	39	1,634	42	1	0	1	2,055	53	1	0	1	2,215	57	1	0	1					
	Amber 450	20																419	21	1	0	1

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted 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	1.00	0.98	0.97	0.95

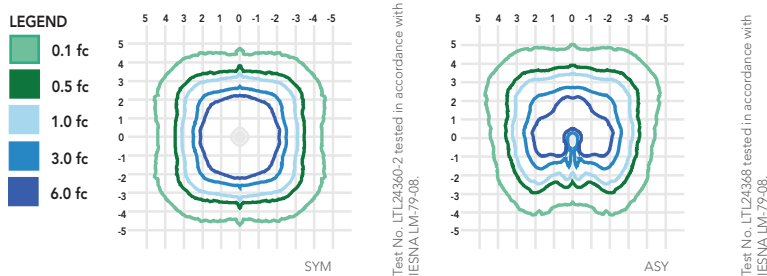
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A)				
			120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.161	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Bollard homepage](#).

Isofootcandle plots for the DSXB LED 700 40K. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE

The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

CONSTRUCTION

One-piece 8-inch-round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3-5/8" max. bolt circle template ensure stability. Overall height is 42" standard.

FINISH

Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Two 0% uplight optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL

Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°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: Specifications subject to change without notice.



SD1

APPLICATION

Small aperture medium distribution downlight is suitable for commercial, retail and institutional applications that require an energy saving, long life LED lamp source, high lumen output and excellent color rendering characteristics.

PRODUCT DATA

REFLECTOR: The parabolic reflector redirects spill light from the lamp, and eliminates high angle glare. A one half-inch overlap flange is standard. Supplied standard with Specular Clear Alzak, other reflector finishes are available in order to provide maximum flexibility to the designer.

DECORATIVE ACCESSORY: Round disc is fabricated from soda lime glass (ICE6) or borosilicate glass (ICE6BS) and is suspended from reflector by satin stainless hardware. Glass features a frosted center ring with center opening.

HOUSING: Heavy gauge galvanized steel housing provides a secure mounting platform for the electrical components and protects the optical assembly. Standard plaster flange allows one inch ceiling thickness with custom depth available. LED module is accessible from below.

MOUNTING: Universal Mounting brackets adjust vertically 5.5" and accept C-channel or rigid bars (see optional accessories).

ELECTRICAL: Standard 120 to 277 VAC, 50-60 Hz. Optional 347V (E3).

JUNCTION BOX: Heavy gauge galvanized junction box pre-wired with grounding pigtail. Easy access covers. Multiple conduit knockouts listed for through branch circuit wiring.

LED MODULE & DRIVER: LED Module and Driver are manufactured by Philips Lighting. Remote phosphor technology insures color consistency from fixture to fixture.

DIMMING: Standard product is compatible with 0-10 volt dimming controls. See below for additional options.

HEAT MANAGEMENT: Engineered heat sink provides passive cooling for optimum heat management of the LED engine.

6VLEDSP

Lumens	Wattage	Typical Delivered Lumens	Efficacy (LPW)
1100	16.3	935	57.4
1500	19.8	1275	64.4
2000	27.3	1700	62.3
3000	39	2550	65.4

• Expected lamp life to be 50,000 hours with 70% lumen maintenance when ambient temperatures do not exceed 45°C. Lower ambient temperatures yield longer lamp life.

6VLEDMD

Lumens	Wattage	Typical Delivered Lumens	Efficacy
1100	16.3	1012	62.1
1500	19.8	1380	69.7
2000	27.3	1840	67.4
3000	39	2760	70.8

CRI = 80. Specifications based on Fortimo GEN 4 LED module by Philips Lighting after 100 hours.

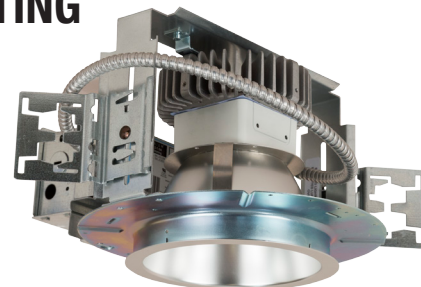
Cove
Architectural Series

SERIES 6VLED Recessed LED Downlight

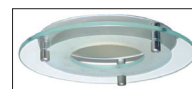
1100-3000 Lumen Fortimo DLM

CALIBER[®]
LED LIGHTING

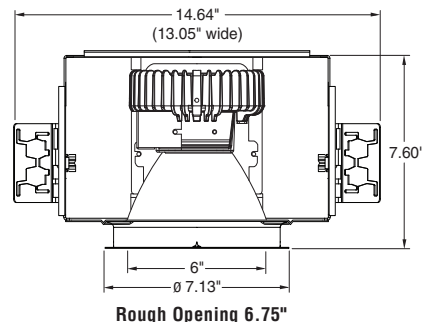
5 Year
Warranty



For Wet Location
Under Covered Ceiling



Available with
suspended
decorative
glass disc.



Catalog #:

6VLED

Example: 6VLED11004K

Fixture Series	Lumens	Color Temp.	Dimming
6VLED	1100	4K (4000K)	blank 0-10V, 10%
	1500	35K (3500K)	D8 0-10V, 1%
	2000	3K (3000K)	DE4 Lutron EcoSys 4 wire, 1%
	3000	27K (2700K)	D7 Lutron 3 wire, 1%
			D1 120V Trailing Edge, 10%
			DT1 120V Lutron 2 wire, 1%
			ELD Eldo LED 0-10V, 0%
			DAL Dali, 1%
			DMX DMX, 10% [^]
			DMX8 DMX, 1% [^]
			DMXELD DMX, 0% [^]

[^]interfaced through 0-10V driver

Optional Accessories

Hanger Bars (set of 2)

- 101782 = #520 Caddy Bars
- 9127 = 27" C-Channel
- 24CBH = 24" one-piece B-Line C-Channel hanger bar
- 26UBH = interlocking hanger bars expand to 26"
- 9152 = 52" C-Channel
- 27BH = 27" Solid Bar

6VLED

Example: 6VLEDMDSCPLPF

Trim	Trim Finish w/polished flange
6VLEDSP	Spot 42° Downlight Reflector
6VLEDMD	Medium 58° Downlight Reflector
	SCLPF – Soft Specular Clear Alzak
	HAZPF – Haze Alzak
	MWH – Matte White
	ICE6 – Decorative Glass Accessory

For white painted flange, drop "PF" from Catalog #.
For other finishes, consult reflector section.

Options

- ☐ EM[^] = Emergency Battery Pack w/remotely located Test Switch
- ☐ IEM[^] = EM Battery Pack w/ Integral Test Switch. (Not Available for Wet Location or Lensed Fixtures)
- ☐ E3[^] = 347V Input
- ☐ X = Provision for Suspended Glass Lens (ICE6)

[^] E3, DMX, DMX8 and DMXELD not compatible with Emergency Battery Option.

Manufactured and tested to UL#1598 and CSA standards.
Fixtures are not designed for direct contact with insulation.

All Pathway[®] products meet or exceed requirements as established by the National Electrical Code. Specifications subject to change without notice.
Alzak[®] is a registered trademark of Alcoa.

Series 6VLED - Recessed LED Downlight - 1100-3000 Lumen Fortimo DLM

SD1 - 6VLED 1500 3K - 6VLEDMSCLPF

PATHWAY[®]
the Lighting Source

Pathway Lighting Products, Inc., P.O. Box 591, Old Saybrook, CT 06475-0591
voice 800.342.0592 • fax 800.207.0090 • www.pathwaylighting.com • e-mail: sales@pathwaylighting.com

LDF28.0
CAEUR

PHOTOMETRIC DOWNLIGHT DISTRIBUTION

Catalog No. - 6VLED30003K/6VLEDSPSCLPF
Lumens - 3000 (2550 delivered)
Spacing Criteria - .72
Efficacy - 65.4 (delivered LPW)

Catalog No. - 6VLED30003K/6VLEDMDSCCLPF
Lumens - 3000 (2760 delivered)
Spacing Criteria - 1.00
Efficacy - 70.8 (delivered LPW)

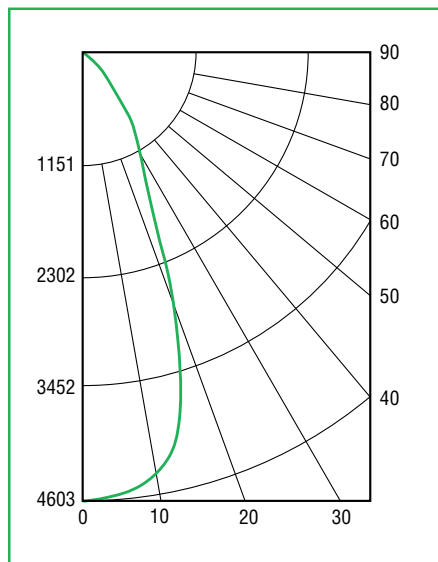
ZONAL LUMENS SUMMARY

ZONE	LUMENS	% OF LUMINAIRE
0-30	2011.15	80.70
0-40	2404.37	96.50
0-60	2492.23	100.00
0-80	2492.23	100.00
0-90	2492.23	100.00
90-180	0.05	0.00
0-180	2492.28	100.00

CANDELA

VERTICAL ANGLE	0
0	4603.068
5	4540.512
15	3832.232
25	1568.994
35	818.463
45	176.771
55	.597
65	0
75	0
85	0
90	0

CANDELA DISTRIBUTION



AVERAGE LUMINANCE

ANGLE	CD/M ²
45	13692
55	57
65	0
75	0
85	0

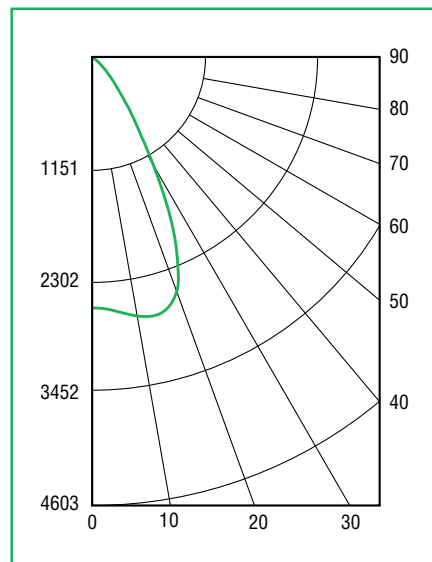
ZONAL LUMENS SUMMARY

ZONE	LUMENS	% OF LUMINAIRE
0-30	1904.22	78.30
0-40	2333.67	95.90
0-60	2430.95	99.90
0-80	2433.12	100.00
0-90	2433.26	100.00
90-180	0.00	0.00
0-180	2433.26	100.00

CANDELA

VERTICAL ANGLE	0
0	2576.276
5	2617.257
15	2719.308
25	2046.142
35	628.795
45	94.589
55	2.596
65	1.667
75	.506
85	.068
90	0

CANDELA DISTRIBUTION



AVERAGE LUMINANCE

ANGLE	CD/M ²
45	7326
55	248
65	216
75	107
85	43

1843 LED CARSON CITY SERIES

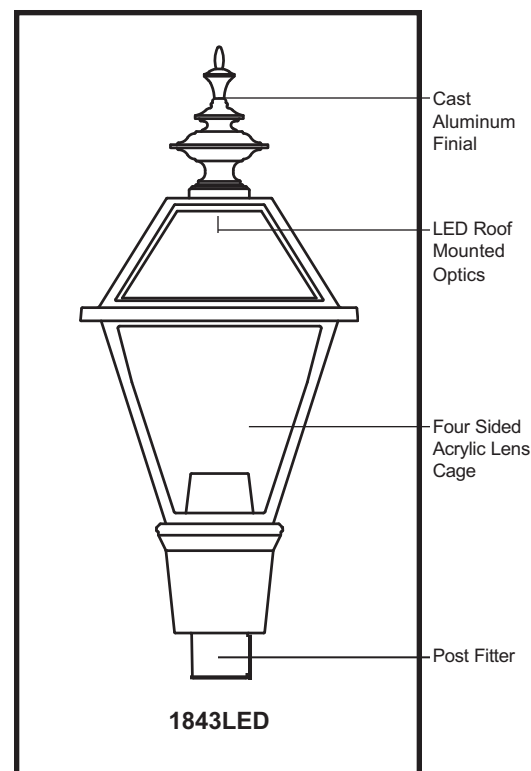
SP1 (III) & SP1 (V)

LUMINAIRE DESIGN

- The 1843 LED Carson City series is large scale, traditionally styled colonial fixture featuring a tapered four-sided cage and roof.
- The four-paneled roof shall be appointed with a decorative cast aluminum finial.
- The luminaire shall measure 18¹/₄" wide and 41³/₄" tall.
- The luminaire shall have a hinged roof for easy inside access.
- The luminaire shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
- The luminaire shall be U.L. or E.T.L. listed in U.S. and Canada.

POST FITTER

- The fitter or base shall be heavy wall cast aluminum, alloy for high tensile strength.
- The fitter shall have an inside diameter opening to accept a 3" diameter pole or tenon. When ordered with a Sternberg aluminum pole, the fitter shall be secured to the pole top or tenon with set screws.



EPA = 3.77 (ft²)
WEIGHT = 55 LBS

DRIVER HOUSING

- The LED driver housing shall be heavy wall cast aluminum for high tensile strength.
- The LED driver shall be attached to the driver housing to ensure high capacity heat sinking of driver thermals, keeping the driver cooler and ensuring long life.
- The LED driver shall be supplied with a quick-disconnect electrical connector on the power supply, providing an easy power connection.

LIGHT SOURCES

- The luminaire shall use high output, high brightness LEDs.
- The LEDs shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface.
- The LED arrays shall be mounted to minimize up-light.
- The LEDs shall be attached to the printed circuit board with not less than 90% pure silver to insure optimal electrical and thermal conductivity.
- The LEDs and printed circuit boards shall be protected from moisture and corrosion by a conformal coating of 1 to 3 mils.
- The LEDs and printed circuit board construction shall be environmentally friendly and 100% recyclable. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant.
- The LED life rating shall be determined in accordance with IESNA LM-80.

1843 LED CARSON CITY SERIES

SPECIFICATIONS

**LIST NO.
1843 LED
CARSON CITY
SERIES**

OPTICS

- The luminaire shall be provided with individual, acrylic, refractor type optics applied to each LED.
- The luminaire shall provide Type ____ (II, **III** or **V**) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.

PERFORMANCE

- The LED arrays are built in series-parallel circuits which maintain overall light output in the event of single LED failures.
- The LEDs and LED driver shall operate over a -40°C (-40°F) to +50°C (122°F) ambient air temperature range.
- The High Performance white LEDs will have a life expectancy of approximately 70,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C.
- The High Brightness, High Output LED's shall be 4500K (3500K or 6000K option) color temperature with a minimum of 75 CRI.
- The luminaire shall have a minimum _____ (see table) initial delivered lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

SP1 (V)

112 White Cree LEDs (6ARCS & 1RND) w/ Type V Optics/Heatsink roof top optic 1843 Luminaire w/prismatic acrylic lenses Advance driver #LEDINTA0700C21 0FO Elect: 120V 1.054A 126.2W

Light Source	Initial Delivered Lumens	Fixture Watts	Light Source	Initial Delivered Lumens	Fixture Watts
10A1R60T5	12500	189	10A1R60T3	11475	189
10A1R45T5	10325	189	10A1R45T3	9300	189
10A1R35T5	9180	189	10A1R35T3	8155	189
6A1R60T5	8800	125	6A1R60T3	7580	125
6A1R45T5	7360	125	6A1R45T3	6140	125
6A1R35T5	6600	125	6A1R35T3	5380	125
6ARC60T5	6715	97	6ARC60T3	5850	97
6ARC45T5	5615	97	6ARC45T3	4750	97
6ARC35T5	5035	97	6ARC35T3	4170	97
4ARC60T5	4170	66	4ARC60T3	3750	66
4ARC45T5	3660	66	4ARC45T3	3290	66
4ARC35T5	3430	66	4ARC35T3	3050	66
3ARC60T5	3470	52	3ARC60T3	2970	52
3ARC45T5	2920	52	3ARC45T3	2420	52
3ARC35T5	2630	52	3ARC35T3	2130	52

SP1 (III)

84 White Cree LEDs (6ARCS) w/ Type III Optics/Heatsink roof top optic 1843 Luminaire w/prismatic acrylic lenses Advance driver #LEDINTA0700C 210FO Elect: 120V 0.812A 97.2W

1843 LED CARSON CITY SERIES

SPECIFICATIONS

**LIST NO.
1843 LED
CARSON CITY
SERIES**

ELECTRONIC DRIVER

- The driver shall be U.L. or E.T.L. Recognized
- The driver shall have overload as well as short circuit protection.
- The driver shall be a DC voltage output, constant current design, 50/60HZ.
- The driver shall have a minimum efficiency of 90%.
- The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90.
- The driver shall contain over-heat protection which reduces output to less than half rating if the case temperature reaches 85°C.

LUMINAIRIE HOUSING

- The luminaire shall be made of heavy wall cast aluminum alloy.
- The luminaire shall be provided with a cast aluminum roof with optimized heat sinks to provide maximum life and performance for the LED light sources.
- The lens panels shall be made of vandal resistant, clear seeded acrylic (CSA). Available in optional clear textured acrylic (CTA), prismatic acrylic (PA) or white acrylic (WA).

ARMS

- The arms shall be cast aluminum and/or extruded aluminum.
- Arms with decorative filigree shall have meticulously detailed scroll work and gracefully curved brackets.
- The arms shall be pre-wired for ease of installation.
- The arms shall be bolted to a post mount adaptor which is welded to the pole to ensure proper alignment to the base.
- (Twin TA and Twin 579 arms) The arms shall be attached to a decorative center hub which will fit the center tenon of the pole (not shown).

PHOTOCELL OPTIONS

Electronic Button Cell Option

- Photocells shall electronic button type.
- On single or multi-fixture poles, the photocell shall be mounted in the pole shaft on an access plate.

The photocell is not pre-wired since driver are mounted in the fitters and packaged separately.

- The photocell shall turn on at 1.5 foot-candle and turn off 5-10 seconds at no more than 2-3 foot-candles.
- The photocell is 120-277 volt.

1843 LED CARSON CITY SERIES

SPECIFICATIONS

LIST NO.
1843 LED
CARSON CITY
SERIES

FINISH

- Prior to coating, the luminaire shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse-osmosis water rinsing and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coat.
- The finish coat shall be an electrostatically applied semi-gloss, super durable polyester powder coat, baked on at 400°F, to provide a durable, color retentive finish.
- *The optional _____ (Verde Green or Swedish Iron) finish shall be hand-brushed using a 3-step process. * (OPTION)

WARRANTY

- The luminaire shall be free from all defects in materials and workmanship for a period of seven (7) years from the date of manufacture.
- The luminaire manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as more than three (3) simultaneous non-operating LEDs.
- The driver shall be warranted for seven (7) years.

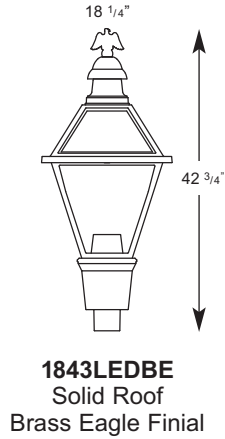
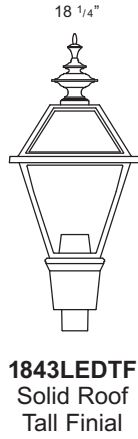
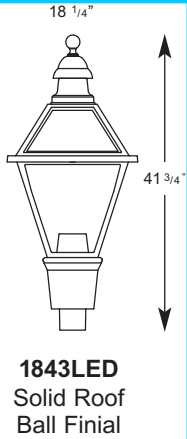


1843 LED CARSON CITY

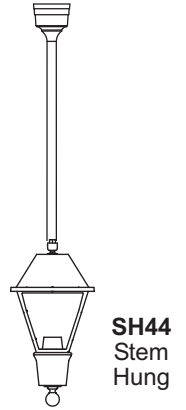
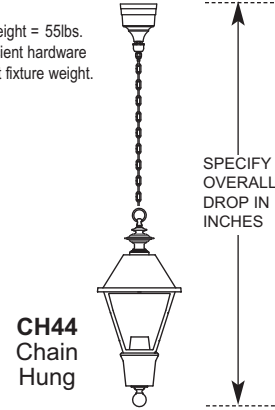
FIXTURES / FITTERS / ARMS PM - WB

FIXTURES

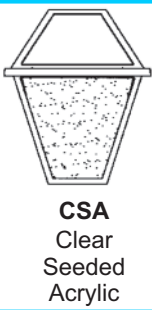
HANGING BRACKETS*



***NOTE:**
Fixture weight = 55lbs.
Use sufficient hardware
to support fixture weight.

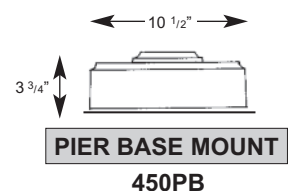
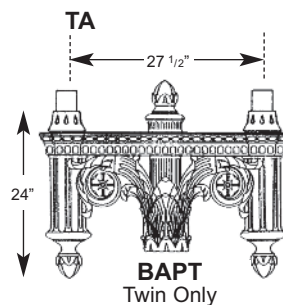
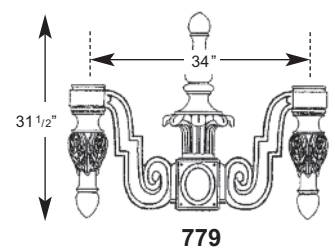
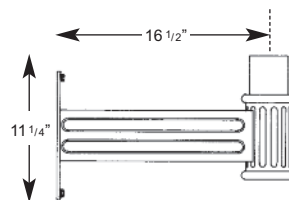
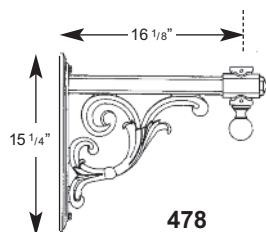
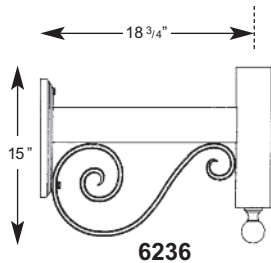
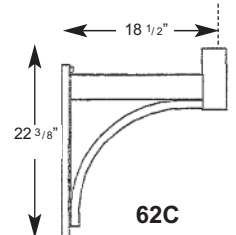
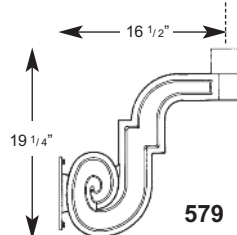
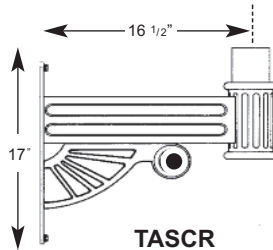
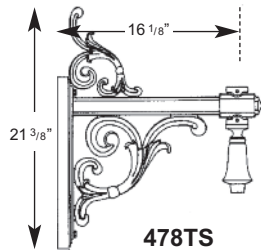
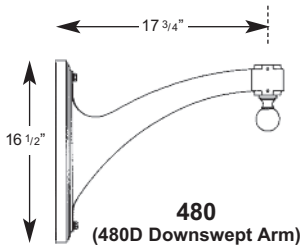


LENSES



ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)

See Arms Section for more information



BUILDING A PART NUMBER

POST & ARM FIXTURES

ARM MOUNTED FIXTURE		CENTER POST TOP FIXTURE (PT)		POST	POST CAP	LIGHT SOURCE	DRIVER	LENS	OPTIONS	FINISH	
NO. OF ARMS	FIXTURE/POSTARM	ACORN / FITTER (See Post Section)									
	—		1843LED PT		3610FP4		16A1R45T5	ML	CSA	PEC	BKT

WALL FIXTURES

FIXTURE/WALLBRACKET	LIGHT SOURCE	DRIVER	LENS	OPTIONS	FINISH
1843LEDTF/480WB	6A1R45T5	ML	CSA	PEC	BKT

PIER BASE
 Uses same information
 boxes as wall fixture

1843LEDBE/450PB

FIXTURE / PIER MOUNT

PART NUMBER SELECTIONS

FIXTURES

- 1843LED
- 1843LEDBE
- 1843LEDTF

LENSES

- CSA
- CTA
- PA
- WA

DRIVERS

- ML - 120-277
- MH - 347-480
- MDL - Dimming 120-277
- MDH - Dimming 347-480

POST ARMS

- 478PM
- 478TSPM
- 480PM
- 480DPM
- 62CPM
- 6236PM
- 579PT
- TAPT
- TASCRPT
- 779PT
- BAPT
- Twin Only

HANGING TYPE

- CH44
- SH44

WALL BRACKET ARMS

- 478WB
- 478TSWB
- 480WB
- 480DWB
- 62CWB
- 6236WB
- 579WB
- TAWB
- TASCRWB

PIER BASE

- 450PB

LIGHT SOURCES T5

- 10A1R60T5 189W, 6000K Type V Optics
- 10A1R45T5 189W, 4500K Type V Optics
- 10A1R35T5 189W, 3500K Type V Optics

- 6A1R60T5 125W, 6000K Type V Optics

- 6A1R45T5 125W, 4500K Type V Optics

- 6A1R35T5 125W, 3500K Type V Optics

- 6ARC60T5 97W, 6000K Type V Optics
- 6ARC45T5 97W, 4500K Type V Optics
- 6ARC35T5 97W, 3500K Type V Optics

- 4ARC60T5 66W, 6000K Type V Optics
- 4ARC45T5 66W, 4500K Type V Optics
- 4ARC35T5 66W, 3500K Type V Optics

- 3ARC60T5 52W, 6000K Type V Optics
- 3ARC45T5 52W, 4500K Type V Optics
- 3ARC35T5 52W, 3500K Type V Optics

LIGHT SOURCES T3

- 10A1R60T3 189W, 6000K Type III Optics
- 10A1R45T3 189W, 4500K Type III Optics
- 10A1R35T3 189W, 3500K Type III Optics

- 6A1R60T3 125W, 6000K Type III Optics

- 6A1R45T3 125W, 4500K Type III Optics

- 6A1R35T3 125W, 3500K Type III Optics

- 6ARC60T3 97W, 6000K Type III Optics

- 6ARC45T3 97W, 4500K Type III Optics

- 6ARC35T3 97W, 3500K Type III Optics

- 4ARC60T3 66W, 6000K Type III Optics
- 4ARC45T3 66W, 4500K Type III Optics
- 4ARC35T3 66W, 3500K Type III Optics

- 3ARC60T3 52W, 6000K Type III Optics
- 3ARC45T3 52W, 4500K Type III Optics
- 3ARC35T3 52W, 3500K Type III Optics

STANDARD FINISHES*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

*Smooth Finishes are available upon request

CUSTOM FINISHES

- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

STERNBERG SELECT FINISHES

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

OPTIONS

- PEC Photocell-Electronic 120-277 Volt
- FHC Frosted Chimney (Not Lighted)
- FHD Dual Fuse and Holder-208, 240, 480 Volt
- BE Brass Eagle Finial
- BF Ball Finial or Font (TA, TASCRT)
- TF Tall Finial
- HL Hi-Low operation*

*Not available on 3ARC



WST LED

Architectural Wall Sconce



Inverted available with
WLU option only.



SW1

Catalog
Number

Notes

Type

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

Specifications

Luminaire

Height: 7-1/4"
(18.4 cm)

Width: 16-1/4"
(41.3 cm)

Depth: 9-1/8"
(23.2 cm)

Weight: 17 lbs
(7.7 kg)

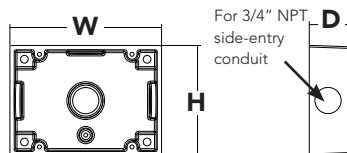


Optional Back Box (BBW)

Height: 4"
(10.2 cm)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)



Introduction

The classic Architectural Wall Sconce is now available with the latest in LED technology. The result is a long-life, maintenance-free product with typical energy savings of 75% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity.

The WST LED is ideal for replacing existing 50 – 175W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Ordering Information

EXAMPLE: WST LED 2 10A700/40K SR3 MVOLT DDBTXD

SW1 WST LED 1 10A700/30K SR4 MVOLT

Series	Light Engines	Performance Package	Distribution	Voltage	Mounting	Options ³	Finish (required)
WST LED	1 One engine (10 LEDs)	700 mA options: 10A700/30K 3000K	SR2 Type II	MVOLT ¹	Shipped included	Shipped installed	DDBXD Dark bronze
	2 Two engines (20 LEDs)	10A700/40K 4000K 10A700/50K 5000K	SR3 Type III SR4 Type IV	120 ¹ 208 ¹ 240 ¹ 277 ¹ 347 480	(blank) Surface mount Shipped separately² BBW Surface-mounted back box UT5 Uptilt 5 degrees	PE Photoelectric cell, button type ^{4,5} SF Single fuse (120, 277, 347V) ⁴ DF Double fuse (208, 240, 480V) ⁴ DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup ⁶ WLU Wet location door for up orientation ⁷ PIR Motion/ambient light sensor ⁸ DS Dual switching ⁹ Shipped separately VG Vandal guard WG Wire guard	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

Emergency Battery Operation

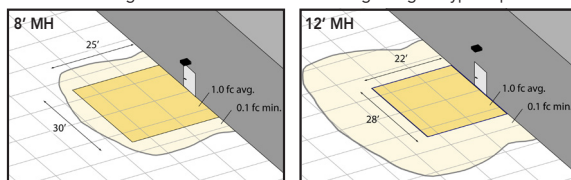
The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All ELCW configurations include an independent secondary driver with an integral relay to immediately detect AC power loss. Dual light engines are wired in parallel so both engines operate in emergency mode and provide additional component redundancy. These design features meet various interpretations of NFPA 70/NEC 2008 - 700.16

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples below show illuminance of 1 fc average and 0.1 fc minimum of the single-engine Type IV product in emergency mode.

WST LED 1 10A700/40K SR4
MVOLT ELCW
10' x 10' Gridlines
8' and 12' Mounting Height



NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with photocell (PE), fusing (SF, DF), or dual switching (DS).
- May also be ordered separately as an accessory. Ex: WSBWW DDBXD U. Must specify finish.
- Must be ordered with fixture; cannot be field installed.
- Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with 480V option. Not available with motion/ambient light sensor (PIR).
- Integral battery pack is rated for -20° to 60°C operating temperature. ELCW warranty is 3-year period. Not available with 347V or 480V. Not available with WLU.
- WLU not available with PIR or ELCW.
- Specifies the SensorSwitch SFOD-7-ODP control (photocell included); see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard. Not available with WLU, VG or WG.
- Provides 50/50 luminaire operation via two independent drivers and light engines on two separate circuits. Not available with one engine, MVOLT, ELCW, WLU, SF, or DF. Must specify voltage; voltage must be the same for both drivers. When ordered with photocell (PE) or motion sensor (PIR), only the primary power source leads will be controlled.



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WST-LED
Rev. 08/11/15

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.

Light Engines	Drive Current (mA)	Performance Package	System Watts (MVOLT ¹)	Dist. Type	40K (4000K, 70 CRI)				
					Nominal Lumens	B	U	G	LPW
1 (10 LEDs)	700	10A700/-K	24W	SR2	2,005	1	0	1	84
				SR3	2,029	1	0	1	84
				SR4	1,959	1	0	1	82
2 (20 LEDs)	700	10A700/-K	47W	SR2	3,944	1	0	1	84
				SR3	4,028	1	0	1	86
				SR4	3,851	1	0	1	82

1 See electrical load chart for 347/480V system watts.

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	1.10
10°C	50°F	1.06
20°C	68°F	1.02
25°C	77°F	1.00
30°C	86°F	0.98
40°C	104°F	0.92

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **WST LED 2 10A700** 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	0.94	0.88	0.77

Electrical Load

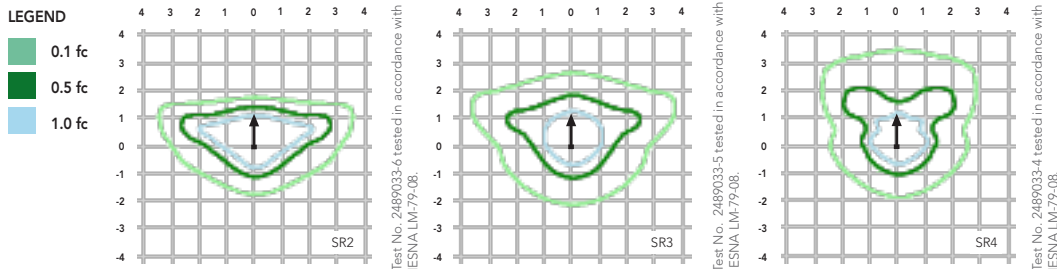
Light Engines	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
1	700	24W	0.24	0.14	0.12	0.1	-	-
		29W ¹	-	-	-	-	0.09	0.07
2	700	47W	0.44	0.27	0.23	0.20	-	-
		53W ¹	-	-	-	-	0.17	0.12

1 Higher wattage is due to electrical losses from step-down transformer.

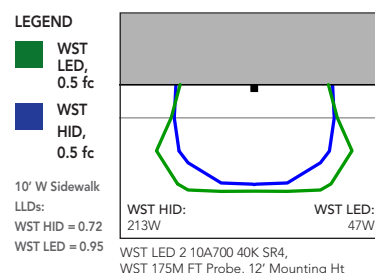
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [WST LED homepage](#).

Isfootcandle plots for the WST LED 2 10A700/40K SR2, SR3, and SR4. Distances are in units of mounting height (12').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

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. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Precision-molded acrylic lenses are engineered for superior distribution, uniformity, and spacing in wall-mount applications. Light engines are 4000K (70 CRI). The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L77). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated and suitable for wet locations when mounted with the lenses down. WLU option offers wet location listing in "up" orientation. Rated for -30°C minimum ambient.

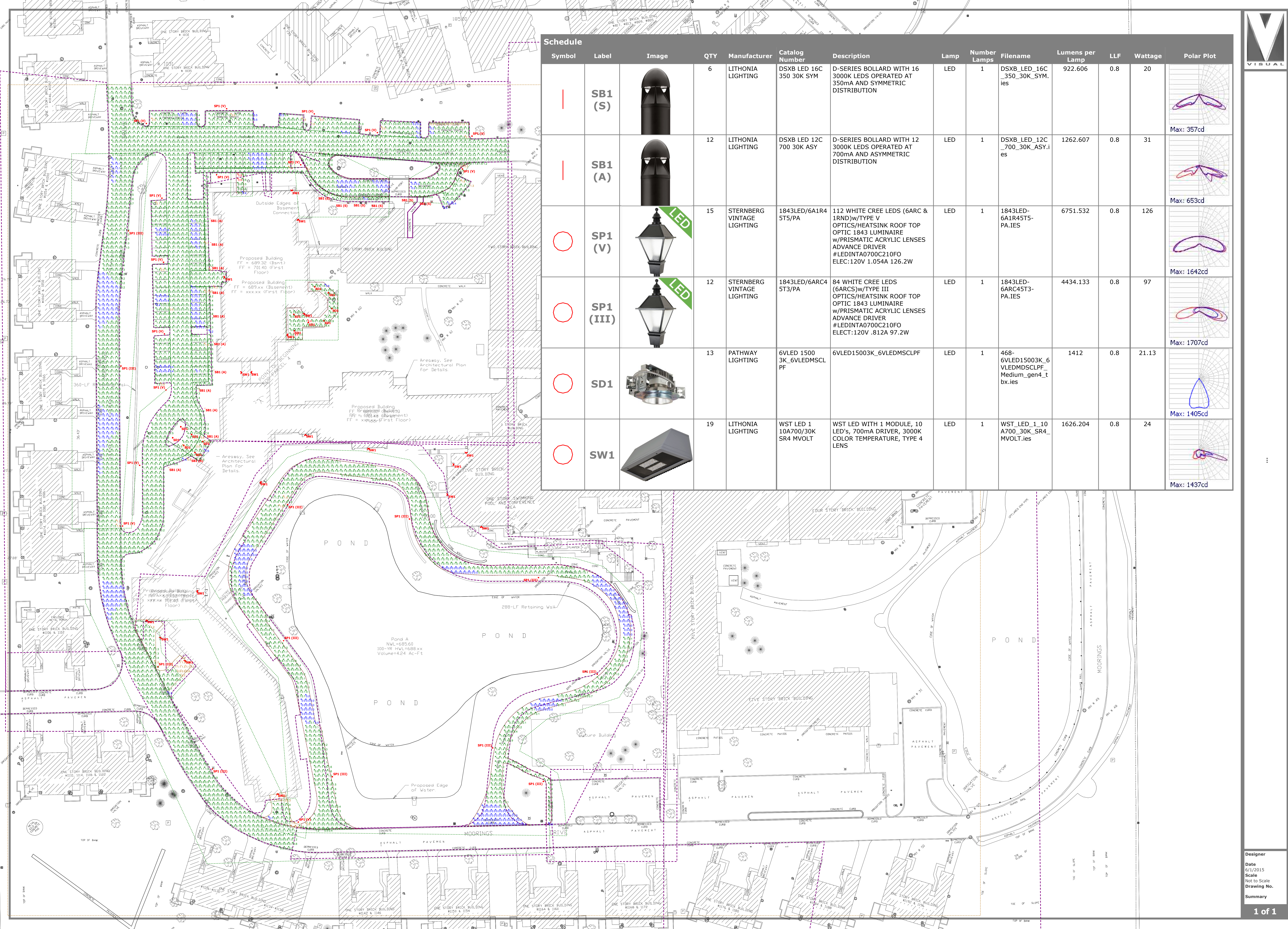
DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

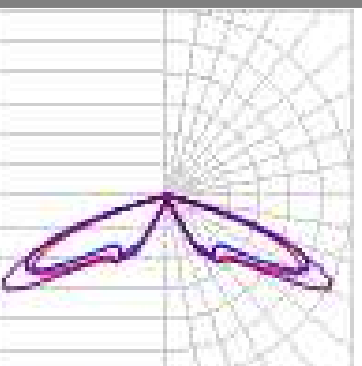
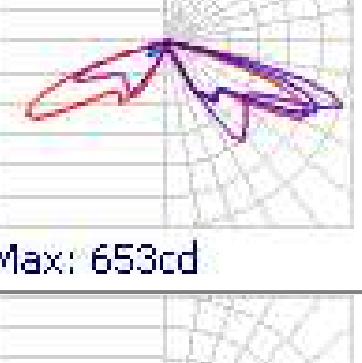
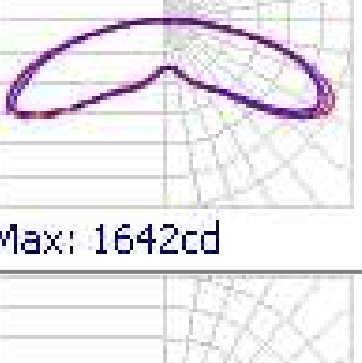
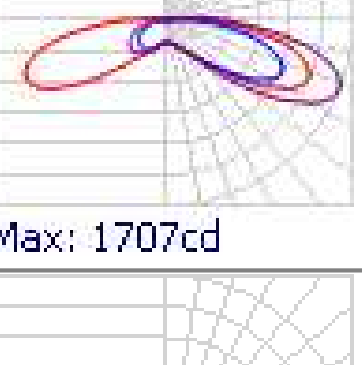
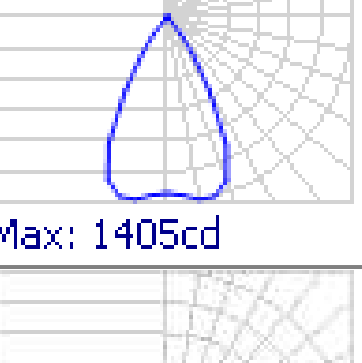
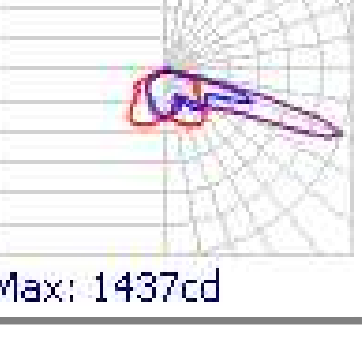
WARRANTY

Five year limited warranty. Full 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.





Schedule													Polar Plot
Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	LLF	Wattage	
	SB1 (S)		6	LITHONIA LIGHTING	DSXB LED 16C 350 30K SYM	D-SERIES BOLLARD WITH 16 3000K LEDS OPERATED AT 350mA AND SYMMETRIC DISTRIBUTION	LED	1	DSXB_LED_16C_350_30K_SYM.ies	922.606	0.8	20	 Max: 357cd
	SB1 (A)		12	LITHONIA LIGHTING	DSXB LED 12C 700 30K ASY	D-SERIES BOLLARD WITH 12 3000K LEDS OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	LED	1	DSXB_LED_12C_700_30K_ASY.ies	1262.607	0.8	31	 Max: 653cd
○	SP1 (V)		15	STERNBERG VINTAGE LIGHTING	1843LED/6A1R4 5T5/PA	112 WHITE CREE LEDS (6ARC & 1RND)w/TYPE V OPTICS/HEATSINK ROOF TOP OPTIC 1843 LUMINAIRE w/PRISMATIC ACRYLIC LENSES ADVANCE DRIVER #LEDINTA0700C210FO ELEC:120V 1.054A 126.2W	LED	1	1843LED-6A1R45T5-PA.IES	6751.532	0.8	126	 Max: 1642cd
○	SP1 (III)		12	STERNBERG VINTAGE LIGHTING	1843LED/6ARC4 5T3/PA	84 WHITE CREE LEDS (6ARCS)w/TYPE III OPTICS/HEATSINK ROOF TOP OPTIC 1843 LUMINAIRE w/PRISMATIC ACRYLIC LENSES ADVANCE DRIVER #LEDINTA0700C210FO ELEC:120V .812A 97.2W	LED	1	1843LED-6ARC45T3-PA.IES	4434.133	0.8	97	 Max: 1707cd
○	SD1		13	PATHWAY LIGHTING	6VLED 1500 3K_6VLEDMSCL PF	6VLED15003K_6VLEDMSCLPF	LED	1	468-6VLED15003K_6VLEDMSCLPF_Medium_gen4_t bx.ies	1412	0.8	21.13	 Max: 1405cd
○	SW1		19	LITHONIA LIGHTING	WST LED 1 10A700/30K SR4 MVOLT	WST LED WITH 1 MODULE, 10 LED's, 700mA DRIVER, 3000K COLOR TEMPERATURE, TYPE 4 LENS	LED	1	WST_LED_1_10A700_30K_SR4_MVOLT.ies	1626.204	0.8	24	 Max: 1437cd

