

(mast arm not included)

D-Series Size 1
Mast Arm Mount LED Area Luminaire

Buy American

Catalog Number

Notes

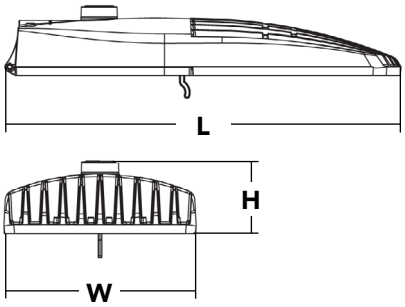
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d-series

Specifications

EPA:	0.9 ft² (0.08 m²)
Length:	27″ (68.6 cm)
Width:	13″ (33.0 cm)
Height:	5″ (12.7 cm)
Weight (max):	26 lbs (11.8 kg)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT MA DDBXD

DSX1 LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	Options	Finish *(required)*
DSX1 LED	**Forward optics** 30C 30 LEDs (one engine) 40C 40 LEDs (two engines) 60C 60 LEDs (two engines) **Rotated optics** 60C 60 LEDs (two engines)	530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000 K (80 CRI min.) 40K 4000 K (70 CRI min.) 50K 5000 K (67 CRI)	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide	MVOLT[1] 120[1] 208[1] 240[1] 277[1] 347[2] 480[2]	MA Mast arm ready	**Shipped installed** (blank) No NEMA twist-lock receptacle (decorative cover), wildlife shield, trigger latch, and bridge fitter. DMG 0-10V dimming extended out back of housing for external control (control ordered separate) PER NEMA twist-lock receptacle only (no controls)[3] DCR Dimmable and controllable via ROAM® (no controls)[4] HS House-side shield[5] WTB Utility terminal block DS Dual switching[6,7] BUBLVL External bubble level L90 Left rotated optics[8] R90 Right rotated optics[8] BAA Buy America(n) Act Compliant	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

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Ordering Information

Accessories

Ordered and shipped separately.

SBOR 10 ODP BZ 3V	Pole-mounted motion/ambient sensor, 8-15' mounting height, MVOLT (specify finish)
SBOR 6 ODP BZ 3V	Pole-mounted motion/ambient sensor, 15-30' mounting height, MVOLT (specify finish)
DLL127F 1.5 JU	Photocell - SSL twist-lock, MVOLT [9]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [9]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [9]
DSHORT SBK U	Shorting cap [9]
DSX1HS 30C U	House-side shield for 30 LED unit
DSX1HS 40C U	House-side shield for 40 LED unit
DSX1HS 60C U	House-side shield for 60 LED unit

For more control options, visit Sensor Switch, DTL and ROAM online.

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60Hz).
2. Not available with single board, 530 mA product (30C 530 or 60C 530 DS). Not available with DCR.
3. That the PER option comes standard with a Shorting Cap.
4. Specifies a ROAM® enabled luminaire with 0-10V dimming capability; requires NEMA twist-lock receptacle. Not available with 347 or 480V. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net.
5. Also available as a separate accessory; see Accessories information at left.
6. Requires two light engines. Provides 50% dimming capability via two independent drivers, each operating half the luminaire. N/A with PER, DCR, WTB or 530mA with 347v or 480v.
7. Requires an additional switched line.
8. Available with 60 LEDs (60C option) only.
9. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

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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 (3000K)					40K (4000K)					50K (5000K)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C	700mA	68W	T1S	5,697	1	0	1	84	7,127	2	0	2	105	7,180	2	0	2	106
			T2S	5,967	2	0	2	88	7,465	2	0	2	110	7,521	2	0	2	111
			T2M	5,773	1	0	2	85	7,222	2	0	2	106	7,276	2	0	2	107
			T3S	5,901	1	0	2	87	7,382	2	0	2	109	7,437	2	0	2	109
			T3M	5,872	1	0	2	86	7,346	2	0	2	108	7,401	2	0	2	109
			T4M	5,882	1	0	2	87	7,359	2	0	2	108	7,414	2	0	2	109
			TFTM	5,793	1	0	2	85	7,247	1	0	2	107	7,301	1	0	2	107
			T5VS	6,148	2	0	0	90	7,691	3	0	1	113	7,749	3	0	1	114
			T5S	6,074	2	0	0	89	7,598	3	0	0	112	7,655	3	0	0	113
			T5M	6,150	3	0	1	90	7,694	3	0	2	113	7,752	3	0	2	114
			T5W	5,979	3	0	1	88	7,479	3	0	2	110	7,536	3	0	2	111
	1000mA	105W	T1S	7,913	2	0	2	75	9,899	2	0	2	94	9,973	2	0	2	95
			T2S	8,019	2	0	2	76	10,368	2	0	2	99	10,446	2	0	2	99
			T2M	8,288	2	0	2	79	10,031	2	0	3	96	10,106	2	0	3	96
			T3S	8,156	2	0	2	78	10,253	2	0	2	98	10,330	2	0	2	98
			T3M	8,196	2	0	2	78	10,202	2	0	2	97	10,279	2	0	2	98
			T4M	8,170	2	0	2	78	10,220	2	0	2	97	10,297	2	0	2	98
			TFTM	8,046	2	0	2	77	10,065	2	0	3	96	10,141	2	0	3	97
			T5VS	8,542	3	0	1	81	10,682	3	0	1	102	10,762	3	0	1	102
			T5S	8,436	3	0	1	80	10,553	3	0	1	101	10,632	3	0	1	101
			T5M	8,539	3	0	2	81	10,686	4	0	2	102	10,766	4	0	2	103
			T5W	8,304	3	0	2	79	10,388	4	0	2	99	10,466	4	0	2	100
40C	700mA	89W	T1S	7,511	2	0	2	84	9,396	2	0	2	106	9,467	2	0	2	106
			T2S	7,867	2	0	2	88	9,842	2	0	2	111	9,916	2	0	2	111
			T2M	7,612	2	0	2	86	9,522	2	0	3	107	9,594	2	0	3	108
			T3S	7,780	2	0	2	87	9,733	2	0	2	109	9,806	2	0	2	110
			T3M	7,742	2	0	2	87	9,685	2	0	2	109	9,758	2	0	2	110
			T4M	7,756	2	0	2	87	9,702	2	0	2	109	9,775	2	0	2	110
			TFTM	7,638	2	0	2	86	9,555	2	0	2	107	9,627	2	0	2	108
			T5VS	8,106	3	0	1	91	10,140	3	0	1	114	10,216	3	0	1	115
			T5S	8,008	3	0	1	90	10,017	3	0	1	113	10,093	3	0	1	113
			T5M	8,109	3	0	2	91	10,144	4	0	2	114	10,220	4	0	2	115
			T5W	7,883	3	0	2	89	9,861	4	0	2	111	9,936	4	0	2	112
	1000mA	138W	T1S	10,384	2	0	2	75	12,990	3	0	3	94	13,088	3	0	3	95
			T2S	10,876	2	0	2	79	13,606	3	0	3	99	13,708	3	0	3	99
			T2M	10,523	2	0	3	76	13,164	3	0	3	95	13,263	3	0	3	96
			T3S	10,756	2	0	2	78	13,455	2	0	2	98	13,556	3	0	3	98
			T3M	10,703	2	0	2	78	13,389	3	0	3	97	13,490	3	0	3	98
			T4M	10,722	2	0	2	78	13,412	3	0	3	97	13,513	3	0	3	98
			TFTM	10,559	2	0	3	77	13,209	2	0	3	96	13,308	2	0	3	96
			T5VS	11,206	3	0	1	81	14,018	4	0	1	102	14,124	4	0	1	102
			T5S	11,070	3	0	1	80	13,848	3	0	1	100	13,953	3	0	1	101
			T5M	11,210	4	0	2	81	14,023	4	0	2	102	14,129	4	0	2	102
			T5W	10,898	4	0	2	79	13,633	4	0	2	99	13,735	4	0	2	100
60C	700mA	131W	T1S	11,182	2	0	2	85	13,988	3	0	3	107	14,093	3	0	3	108
			T2S	11,712	3	0	3	89	14,651	3	0	3	112	14,761	3	0	3	113
			T2M	11,332	2	0	3	87	14,175	3	0	3	108	14,282	3	0	3	109
			T3S	11,582	2	0	2	88	14,489	3	0	3	111	14,598	3	0	3	111
			T3M	11,525	2	0	2	88	14,418	3	0	3	110	14,526	3	0	3	111
			T4M	11,546	2	0	2	88	14,443	3	0	3	110	14,552	3	0	3	111
			TFTM	11,370	2	0	3	87	14,224	2	0	3	109	14,331	2	0	3	109
			T5VS	12,067	3	0	1	92	15,095	4	0	1	115	15,209	4	0	1	116
			T5S	11,921	3	0	1	91	14,912	4	0	1	114	15,025	4	0	1	115
			T5M	12,071	4	0	2	92	15,101	4	0	2	115	15,214	4	0	2	116
			T5W	11,735	4	0	2	90	14,680	4	0	2	112	14,791	4	0	2	113
	1000mA	209W	T1S	15,307	3	0	3	73	19,148	3	0	3	92	19,292	3	0	3	92
			T2S	16,033	3	0	3	122	20,056	3	0	3	153	20,207	3	0	3	154
			T2M	15,512	3	0	3	118	19,405	3	0	3	148	19,551	3	0	3	149
			T3S	15,855	3	0	3	121	19,834	3	0	3	151	19,983	3	0	3	153
			T3M	15,777	3	0	3	120	19,736	3	0	4	151	19,885	3	0	4	152
			T4M	15,805	3	0	3	121	19,771	3	0	4	151	19,920	3	0	4	152
			TFTM	15,565	3	0	3	119	19,471	3	0	4	149	20,827	3	0	4	159
			T5VS	16,519	4	0	1	126	20,664	4	0	1	158	20,820	4	0	1	159
			T5S	16,319	4	0	1	125	20,414	4	0	1	156	20,567	4	0	1	157
			T5M	16,525	4	0	2	126	20,672	5	0	3	158	19,617	5	0	3	150
			T5W	16,064	4	0	3	123	20,096	5	0	3	153	20,247	5	0	3	155

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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	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

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).

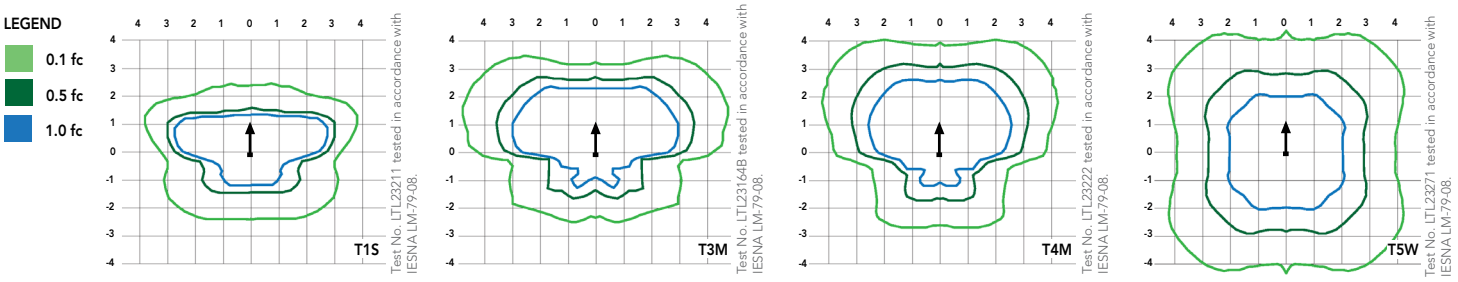
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

Photometric Diagrams

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

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for area and street lighting applications.

CONSTRUCTION
Single-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 and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Low EPA (0.9 ft^2) for optimized pole wind loading.

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 both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior lighting distribution, uniformity, and pole spacing. Light engines are available in 3000K (>80 CRI), 4000K (>70 CRI) or 5000K (67 CRI) configurations. The D-Series Size 1 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 configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Four-bolt mast arm mount provides easy, secure installation for nominal 1-1/4" to 2"diameter arms (1-5/8" to 2-3/8" O.D.) and enables the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. Housing includes cast-in wildlife shield. Die-cast trigger latch on door provides tool-less entry for easy and secure opening with one hand; top-side leveling crosshairs and internal bubble level assist with installation.

LISTINGS
UL Listed for wet locations. Light engines are IP66 rated. Rated for -40°C minimum ambient. U.S. D663,462 S. International patents pending.

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.

BUY AMERICAN
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT.
Please refer to www.acuitybrands.com/buy-american for additional information.

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.

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