D-Series Size 2
LED Area Luminaire

Catalog Number

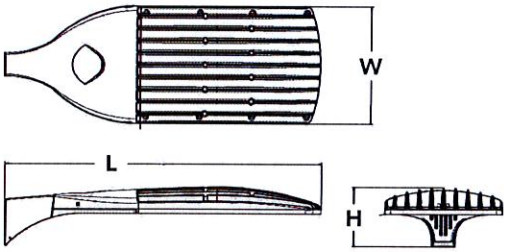
Notes

Type

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

Specifications

EPA:	1.1 ft² (0.10 m²)
Length:	40" (101.6 cm)
Width:	15" (38.1 cm)
Height:	7-1/4" (18.4 cm)
Weight (max):	36 lbs (16.3 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

Ordering Information

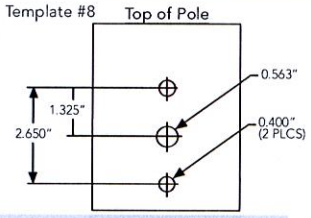
EXAMPLE: DSX2 LED 80C 1000 40K T4M MVOLT SPA DDBXD

DSX2 LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX2 LED	**Forward optics** 80C 80 LEDs (four engine) 100C 100 LEDs (four engines) **Rotated optics** [1] 90C 90 LEDs	530 530 mA 700 700 mA 1000 1000 mA (1 A) 1200 1200 mA[2] (1.2 A)	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	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 [3] 120 [3] 208 [3] 240 [3] 277 [3] 347 [4] 480 [4]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor [5] RPUMBA Round pole universal mounting adaptor [5] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) [6]

Control options				Other options		Finish *(required)*	
Shipped installed				**Shipped installed**		DDBXD	Dark bronze
PER	NEMA twist-lock receptacle only (no controls) [7]	BL30	Bi-level switched dimming, 30% [12,14]	HS	House-side shield [17]	DBLXD	Black
PER5	Five-wire receptacle only (no controls) [7,8]	BL50	Bi-level switched dimming, 50% [12,14]	SF	Single fuse (120, 277, 347V) [3]	DNAXD	Natural aluminum
PER7	Seven-wire receptacle only (no controls) [7,8]	PNMTDD3	Part night, dim till dawn [15]	DF	Double fuse (208, 240, 480V) [3]	DWHXD	White
DMG	0-10V dimming driver (no controls) [9]	PNMT5D3	Part night, dim 5 hrs [15]	L90	Left rotated optics [18]	DDBTXD	Textured dark bronze
DCR	Dimmable and controllable via ROAM® (no controls) [10]	PNMT6D3	Part night, dim 6 hrs [15]	R90	Right rotated optics [18]	DBLBXD	Textured black
DS	Dual switching [11,12]	PNMT7D3	Part night, dim 7 hrs [15]			DNATXD	Textured natural aluminum
PIRH	Motion sensor, 15-30' mounting height [13]	FAO	Field Adjustable Output [16]			DWHGXD	Textured white

Drilling



DSX2 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.
**Round pole top must be 3.25" O.D. minimum.*
***For round pole mounting (RPA) only.*

Accessories

Ordered and shipped separately.

Controls & Shields

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [19]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [19]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [19]
SC U	Shorting cap [19]
DSX2HS 80C U	House-side shield for 80 LED unit
DSX2HS 90C U	House-side shield for 90 LED unit
DSX2HS 100C U	House-side shield for 100 LED unit
PUMBA DDBXD U*	Square and round pole universal **mounting bracket (specify finish)**
KMA8 DDBXD U	Mast arm mounting bracket adaptor **(specify finish)** [6]

For more control options, visit DTL and ROAM online.

Tenon Mounting Slipfitter **

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

NOTES
1 Rotated optics option (L90 or R90) required for 90C.
2 1200 mA not available in AMBPC. DLC pending.
3 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
4 Not available with BL30, BL50 or PNMT options.
5 **Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating** per ANCI C136.31.
6 Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
7 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
8 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
9 DMG option for 347V or 480V requires 1000mA.
10 **Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required.** Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with DS, PIRH, PER5, PER7, BL30, BL50 or PNMT options.
11 Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with 80C 530, 90C 530, PER, PER5, PER7, DCR, BL30, BL50 or PNMT options.
12 Requires an additional switched circuit.
13 **Specifies the** SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with DS, PER5 or PER7.
14 Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options.
15 Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50.
16 Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT options.
17 Also available as a separate accessory; see Accessories information.
18 Available with 90 LEDs (90C option) only.
19 **Requires luminaire to be specified with PER option. Ordered and shipped as a separate line** item from Acuity Brands Controls.

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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.

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80C (80 LEDs)	530 mA	137 W	T1S	15,779	3	0	3	115	16,599	3	0	3	121	16,701	3	0	3	122	10,752	2	0	2	78
			T2S	16,270	3	0	3	119	17,115	3	0	3	125	17,220	3	0	3	126	10,554	2	0	2	77
			T2M	15,897	3	0	3	116	16,723	3	0	3	122	16,826	3	0	3	123	10,571	2	0	2	77
			T3S	15,877	3	0	3	116	16,702	3	0	3	122	16,805	3	0	3	123	10,548	2	0	2	77
			T3M	16,021	3	0	3	117	16,854	3	0	3	123	16,958	3	0	3	124	10,569	2	0	2	77
			T4M	16,239	3	0	3	119	17,083	3	0	3	125	17,188	3	0	3	125	10,547	2	0	2	77
			TFTM	15,996	3	0	3	117	16,827	3	0	3	123	16,931	3	0	3	124	10,741	1	0	2	78
			T5VS	16,899	4	0	1	123	17,776	4	0	1	130	17,886	4	0	1	131	11,155	3	0	0	81
			T5S	17,024	4	0	1	124	17,908	4	0	1	131	18,019	4	0	1	132	11,149	3	0	0	81
			T5M	17,053	4	0	2	124	17,939	4	0	2	131	18,050	4	0	2	132	11,096	3	0	2	81
			T5W	16,802	5	0	3	123	17,675	5	0	3	129	17,784	5	0	3	130	10,957	3	0	2	80
	700 mA	188 W	T1S	20,018	3	0	3	106	21,058	3	0	3	112	21,188	3	0	3	113	13,362	2	0	2	71
			T2S	20,640	3	0	3	110	21,712	3	0	3	115	21,846	3	0	3	116	13,116	2	0	2	70
			T2M	20,167	3	0	3	107	21,215	3	0	3	113	21,346	3	0	3	114	13,138	2	0	2	70
			T3S	20,142	3	0	3	107	21,188	3	0	3	113	21,319	3	0	3	113	13,110	2	0	2	70
			T3M	20,325	3	0	4	108	21,381	3	0	4	114	21,513	3	0	4	114	13,135	2	0	3	70
			T4M	20,601	3	0	4	110	21,672	3	0	4	115	21,805	3	0	4	116	13,108	2	0	2	70
			TFTM	20,293	3	0	4	108	21,348	3	0	4	114	21,479	3	0	4	114	13,349	2	0	2	71
			T5VS	21,438	4	0	1	114	22,551	4	0	1	120	22,690	4	0	1	121	13,864	3	0	1	74
			T5S	21,596	4	0	1	115	22,718	4	0	1	121	22,859	4	0	1	122	13,856	3	0	1	74
			T5M	21,634	5	0	3	115	22,758	5	0	3	121	22,898	5	0	3	122	13,790	3	0	2	73
			T5W	21,316	5	0	3	113	22,423	5	0	3	119	22,561	5	0	3	120	13,617	4	0	2	72
	1000 mA	282 W	T1S	27,547	3	0	3	98	28,978	3	0	3	103	29,157	3	0	3	103	18,125	2	0	2	64
			T2S	28,403	3	0	3	101	29,879	4	0	4	106	30,063	4	0	4	107	17,791	3	0	3	63
			T2M	27,753	3	0	4	98	29,195	3	0	4	104	29,375	3	0	4	104	17,821	3	0	3	63
			T3S	27,718	3	0	4	98	29,158	3	0	4	103	29,338	3	0	4	104	17,782	2	0	2	63
			T3M	27,970	3	0	5	99	29,423	4	0	5	104	29,605	4	0	5	105	17,817	3	0	3	63
			T4M	28,350	3	0	4	101	29,823	3	0	5	106	30,007	3	0	5	106	17,779	2	0	3	63
			TFTM	27,927	3	0	4	99	29,377	3	0	4	104	29,559	3	0	4	105	18,107	2	0	3	64
			T5VS	29,501	5	0	1	105	31,034	5	0	1	110	31,225	5	0	1	111	18,805	3	0	1	67
			T5S	29,720	5	0	2	105	31,264	5	0	2	111	31,457	5	0	2	112	18,794	3	0	1	67
			T5M	29,772	5	0	3	106	31,318	5	0	3	111	31,512	5	0	3	112	18,705	4	0	2	66
			T5W	29,333	5	0	4	104	30,857	5	0	4	109	31,048	5	0	4	110	18,740	4	0	2	66
	1200 mA	322 W	T1S	30,431	3	0	3	95	32,011	4	0	4	99	32,209	4	0	4	100					
			T2S	31,376	4	0	4	97	33,006	4	0	4	103	33,210	4	0	4	103					
			T2M	30,658	4	0	4	95	32,251	4	0	4	100	32,450	4	0	4	101					
			T3S	30,620	3	0	4	95	32,210	3	0	4	100	32,409	3	0	4	101					
			T3M	30,898	4	0	5	96	32,503	4	0	5	101	32,703	4	0	5	102					
			T4M	31,318	3	0	5	97	32,945	3	0	5	102	33,148	3	0	5	103					
			TFTM	30,850	3	0	4	96	32,452	3	0	5	101	32,652	3	0	5	101					
			T5VS	32,589	5	0	1	101	34,282	5	0	1	106	34,494	5	0	1	107					
			T5S	32,830	5	0	2	102	34,536	5	0	2	107	34,749	5	0	2	108					
			T5M	32,888	5	0	4	102	34,596	5	0	4	107	34,810	5	0	4	108					
			T5W	32,404	5	0	4	101	34,087	5	0	4	106	34,297	5	0	4	107					

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Performance Data

Forward Optics (continued)

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
100C (100 LEDs)	530 mA	175 W	T1S	19,856	3	0	3	113	20,887	3	0	3	119	21,016	3	0	3	120	13,100	2	0	2	75
			T2S	20,473	3	0	3	117	21,537	3	0	3	123	21,670	3	0	3	124	12,859	2	0	2	73
			T2M	20,004	3	0	3	114	21,043	3	0	3	120	21,173	3	0	3	121	12,881	2	0	2	74
			T3S	19,979	3	0	3	114	21,017	3	0	3	120	21,147	3	0	3	121	12,853	2	0	2	73
			T3M	20,161	3	0	4	115	21,208	3	0	4	121	21,339	3	0	4	122	12,878	2	0	3	74
			T4M	20,435	3	0	4	117	21,496	3	0	4	123	21,629	3	0	4	124	12,851	2	0	2	73
			TFTM	20,129	3	0	3	115	21,175	3	0	4	121	21,306	3	0	4	122	13,088	2	0	2	75
			T5VS	21,264	4	0	1	122	22,369	4	0	1	128	22,507	4	0	1	129	13,592	3	0	1	78
			T5S	21,422	4	0	1	122	22,535	4	0	1	129	22,674	4	0	1	130	13,584	3	0	1	78
			T5M	21,459	5	0	3	123	22,574	5	0	3	129	22,713	5	0	3	130	13,520	3	0	2	77
			T5W	21,143	5	0	3	121	22,242	5	0	3	127	22,379	5	0	3	128	13,350	4	0	2	76
	700 mA	232 W	T1S	25,219	3	0	3	109	26,529	3	0	3	114	26,692	3	0	3	115	16,441	2	0	2	71
			T2S	26,002	3	0	3	112	27,353	3	0	3	118	27,522	3	0	3	119	16,138	2	0	2	70
			T2M	25,407	3	0	4	110	26,727	3	0	4	115	26,892	3	0	4	116	16,165	2	0	3	70
			T3S	25,375	3	0	3	109	26,693	3	0	4	115	26,858	3	0	4	116	16,130	2	0	2	70
			T3M	25,606	3	0	4	110	26,936	3	0	4	116	27,102	3	0	4	117	16,161	2	0	3	70
			T4M	25,954	3	0	4	112	27,302	3	0	4	118	27,471	3	0	4	118	16,127	2	0	3	70
			TFTM	25,566	3	0	4	110	26,897	3	0	4	116	27,060	3	0	4	117	16,425	2	0	2	71
			T5VS	27,007	5	0	1	116	28,410	5	0	1	122	28,586	5	0	1	123	17,058	3	0	1	74
			T5S	27,207	5	0	2	117	28,621	5	0	2	123	28,797	5	0	2	124	17,048	3	0	1	73
			T5M	27,255	5	0	3	117	28,671	5	0	3	124	28,848	5	0	3	124	16,967	4	0	2	73
			T5W	26,854	5	0	4	116	28,249	5	0	4	122	28,423	5	0	4	123	16,754	4	0	2	72
	1000 mA	360 W	T1S	34,490	4	0	4	96	36,281	4	0	4	101	36,505	4	0	4	101	22,196	3	0	3	62
			T2S	35,561	4	0	4	99	37,409	4	0	4	104	37,640	4	0	4	105	21,787	3	0	3	61
			T2M	34,747	4	0	4	97	36,552	4	0	4	102	36,778	4	0	4	102	21,824	3	0	3	61
			T3S	34,704	3	0	4	96	36,507	4	0	4	101	36,732	4	0	4	102	21,776	3	0	3	60
			T3M	35,019	4	0	5	97	36,838	4	0	5	102	37,065	4	0	5	103	21,819	3	0	3	61
			T4M	35,495	4	0	5	99	37,339	4	0	5	104	37,569	4	0	5	104	21,773	3	0	3	60
			TFTM	34,964	3	0	5	97	36,781	3	0	5	102	37,008	3	0	5	103	22,175	3	0	3	62
			T5VS	36,936	5	0	1	103	38,855	5	0	1	108	39,095	5	0	1	109	23,029	4	0	1	64
			T5S	37,209	5	0	2	103	39,142	5	0	2	109	39,384	5	0	2	109	23,016	4	0	1	64
			T5M	37,274	5	0	4	104	39,211	5	0	4	109	39,453	5	0	4	110	22,906	4	0	2	64
			T5W	36,726	5	0	4	102	38,634	5	0	4	107	38,872	5	0	4	108	22,619	4	0	2	63
	1200 mA	400 W	T1S	37,667	4	0	4	94	39,623	4	0	4	99	39,868	4	0	4	100					
			T2S	38,837	4	0	4	97	40,855	4	0	4	102	41,107	4	0	4	103					
			T2M	37,948	4	0	5	95	39,919	4	0	5	100	40,166	4	0	5	100					
			T3S	37,901	4	0	4	95	39,869	4	0	4	100	40,116	4	0	4	100					
			T3M	38,244	4	0	5	96	40,231	4	0	5	101	40,480	4	0	5	101					
			T4M	38,765	4	0	5	97	40,778	4	0	5	102	41,030	4	0	5	103					
			TFTM	38,185	3	0	5	95	40,169	4	0	5	100	40,417	4	0	5	101					
			T5VS	40,338	5	0	1	101	42,434	5	0	1	106	42,696	5	0	1	107					
			T5S	40,637	5	0	2	102	42,748	5	0	2	107	43,012	5	0	2	108					
			T5M	40,708	5	0	4	102	42,823	5	0	4	107	43,087	5	0	4	108					
			T5W	40,109	5	0	5	100	42,192	5	0	5	105	42,453	5	0	5	106					

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Performance Data

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
90C (90 LEDs)	530 mA	150 W	T1S	17,539	3	0	3	117	18,451	3	0	3	123	18,564	3	0	3	124	11,475	3	0	3	76
			T2S	18,084	3	0	3	121	19,024	3	0	3	127	19,141	3	0	3	128	11,448	3	0	3	76
			T2M	17,670	3	0	3	118	18,588	3	0	3	124	18,703	3	0	3	125	11,467	3	0	3	76
			T3S	17,648	3	0	3	118	18,565	3	0	3	124	18,680	3	0	3	125	11,442	3	0	3	76
			T3M	17,808	3	0	3	119	18,734	3	0	4	125	18,849	3	0	4	126	11,464	4	0	4	76
			T4M	18,051	3	0	4	120	18,988	3	0	4	127	19,106	3	0	4	127	11,440	4	0	4	76
			TFTM	17,781	3	0	3	119	18,704	3	0	3	125	18,820	3	0	3	125	11,651	4	0	4	78
			T5VS	18,783	4	0	1	125	19,759	4	0	1	132	19,881	4	0	1	133	12,289	3	0	1	82
			T5S	18,923	4	0	1	126	19,906	4	0	1	133	20,028	4	0	1	134	11,978	3	0	1	80
			T5M	18,956	4	0	2	126	19,940	4	0	2	133	20,063	4	0	2	134	12,301	4	0	2	82
			T5W	18,677	5	0	3	125	19,647	5	0	3	131	19,768	5	0	3	132	12,109	4	0	2	81
	700 mA	206 W	T1S	22,323	3	0	3	108	23,483	3	0	3	114	23,628	3	0	3	115	14,387	3	0	3	70
			T2S	23,017	3	0	3	112	24,213	3	0	3	118	24,362	3	0	3	118	14,354	3	0	3	70
			T2M	22,490	3	0	3	109	23,658	3	0	3	115	23,804	3	0	3	116	14,378	4	0	4	70
			T3S	22,462	3	0	3	109	23,629	3	0	3	115	23,774	3	0	3	115	14,347	4	0	4	70
			T3M	22,666	3	0	4	110	23,843	3	0	4	116	23,990	3	0	4	116	14,374	4	0	4	70
			T4M	22,974	3	0	4	112	24,167	3	0	4	117	24,317	3	0	4	118	14,344	4	0	4	70
			TFTM	22,630	3	0	4	110	23,806	3	0	4	116	23,953	3	0	4	116	14,609	4	0	4	71
			T5VS	23,906	5	0	1	116	25,148	5	0	1	122	25,304	5	0	1	123	15,408	4	0	1	75
			T5S	24,084	4	0	2	117	25,335	5	0	2	123	25,491	5	0	2	124	15,019	4	0	1	73
			T5M	24,126	5	0	3	117	25,379	5	0	3	123	25,536	5	0	3	124	15,424	4	0	2	75
			T5W	23,770	5	0	3	115	25,005	5	0	4	121	25,160	5	0	4	122	15,182	4	0	2	74
	1000 mA	320 W	T1S	30,621	3	0	3	96	32,212	4	0	4	101	32,411	4	0	4	101	19,288	4	0	4	60
			T2S	31,573	4	0	4	99	33,213	4	0	4	104	33,418	4	0	4	104	19,243	4	0	4	60
			T2M	30,850	4	0	4	96	32,453	4	0	4	101	32,653	4	0	4	102	19,275	4	0	4	60
			T3S	30,812	3	0	4	96	32,412	3	0	4	101	32,612	3	0	4	102	19,233	4	0	4	60
			T3M	31,091	4	0	5	97	32,706	4	0	5	102	32,908	4	0	5	103	19,270	4	0	4	60
			T4M	31,514	3	0	5	98	33,151	3	0	5	104	33,356	3	0	5	104	19,230	4	0	4	60
			TFTM	31,043	3	0	4	97	32,656	3	0	5	102	32,857	3	0	5	103	19,585	4	0	4	61
			T5VS	32,793	5	0	1	102	34,497	5	0	1	108	34,710	5	0	1	108	20,656	4	0	1	65
			T5S	33,036	5	0	2	103	34,752	5	0	2	109	34,967	5	0	2	109	20,135	4	0	1	63
			T5M	33,094	5	0	4	103	34,813	5	0	4	109	35,028	5	0	4	109	20,677	4	0	2	65
			T5W	32,607	5	0	4	102	34,301	5	0	4	107	34,512	5	0	4	108	20,354	5	0	3	64
	1200 mA	363 W	T1S	33,523	4	0	4	92	35,265	4	0	4	97	35,483	4	0	4	98					
			T2S	34,565	4	0	4	95	36,361	4	0	4	100	36,585	4	0	4	101					
			T2M	33,774	4	0	4	93	35,528	4	0	4	98	35,748	4	0	4	98					
			T3S	33,732	3	0	4	93	35,484	3	0	4	98	35,703	3	0	4	98					
			T3M	34,038	4	0	5	94	35,806	4	0	5	99	36,027	4	0	5	99					
			T4M	34,501	4	0	5	95	36,293	4	0	5	100	36,517	4	0	5	101					
			TFTM	33,985	3	0	5	94	35,750	3	0	5	98	35,971	3	0	5	99					
			T5VS	35,901	5	0	1	99	37,766	5	0	1	104	37,999	5	0	1	105					
			T5S	36,167	5	0	2	100	38,046	5	0	2	105	38,281	5	0	2	105					
			T5M	36,230	5	0	4	100	38,112	5	0	4	105	38,348	5	0	4	106					
			T5W	35,697	5	0	4	98	37,551	5	0	4	103	37,783	5	0	4	104					

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	1.04
10°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.97

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	DSX2 LED 80C 1200			
	1.0	0.98	0.95	0.90
	DSX2 100C 700			
	1.0	0.99	0.99	0.99
	DSX2 LED 100C 1000			
	1.0	0.98	0.95	0.90
	DSX2 LED 100C 1200			
	1.0	0.97	0.94	0.88

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347	480
80	530	137W	1.15	0.66	0.53	0.51	0.39	0.28
	700	188W	1.58	0.92	0.81	0.73	0.55	0.41
	1000	282W	2.37	1.35	1.18	1.04	0.83	0.61
100	530	175W	1.47	0.86	0.76	0.68	0.51	0.38
	700	232W	1.95	1.13	0.99	0.88	0.67	0.49
	1000	360W	3.03	1.72	1.49	1.3	1.05	0.77

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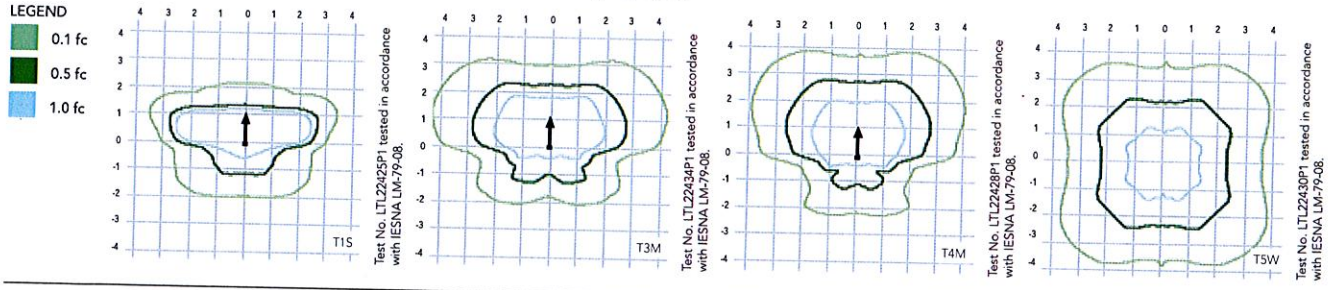
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 2 homepage.

Isofootcandle plots for the DSX2 LED 80C 1000 40K. Distances are in units of mounting height (30').



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

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. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (2.0 ft²) 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 area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. The D-Series Size 2 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 80, 90 or 100 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 2 to withstand up to a 2.0 G vibration load rating per ANSI C136.31. The D-Series Size 2 utilizes the AERIS™ series pole drilling pattern (Template #8). NEMA photocontrol receptacle is available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D670,857 S. International patent 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.

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.

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