



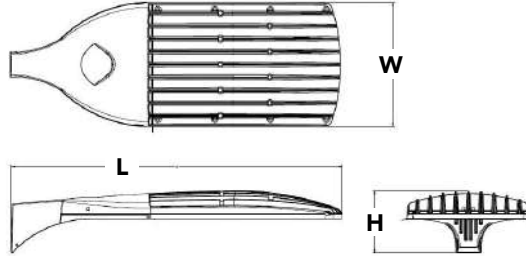
D-Series Size 2 LED Area Luminaire

d#series



Specifications

EPA:	1.1 ft ² (0.10 m ²)
Length:	40" (101.6 cm)
Width:	15" (38.1 cm)
Height:	7-1/4" (18.4 cm)
Weight (max):	36 lbs (16.3 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® 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 background¹

- See ordering tree for details.
- 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: DSX2 LED P7 T3M MVOLT SPA DDBXD

DSX2 LED		Color temperature		Distribution		Voltage	Mounting		
Series	LEDs								
DSX2 LED	Forward optics	30K	3000 K	T1S	Type I Short	TSVS	Type V Very Short	MVOLT ^{4,5}	Shipped included
	P1 P5	40K	4000 K	T2S	Type II Short	T5S	Type V Short	120 ⁶	SPA Square pole mounting
	P2 P6	50K	5000 K	T2M	Type II Medium	T5M	Type V Medium	208 ^{5,6}	RPA Round pole mounting
	P3 P7	AMBPC	Amber phosphor converted ^{2,3}	T3S	Type III Short	TSW	Type V Wide	240 ^{5,6}	WBA Wall bracket
	P4 P8			T3M	Type III Medium	BLC	Backlight control ^{2,3}	277 ⁶	SPUMBA Square pole universal mounting adaptor ⁸
	Rotated optics¹			T4M	Type IV Medium	LCCO	Left corner cutoff ³	347 ^{5,6,7}	RPUMBA Round pole universal mounting adaptor ⁸
	P10 P13			TFTM	Forward Throw Medium	RCCO	Right corner cutoff ³	480 ^{5,6,7}	Shipped separately
	P11 P14								KMA8 DDBXD U Most arm mounting bracket adaptor (specify finish) ⁹
	P12								
Control options						Other options		Finish (required)	
Shipped installed						Shipped installed		DDBXD Dark bronze	
NLTAIR2	nLight AIR generation 2 enabled ¹⁰			PIRH1FC3V	Bi-level, motion sensor, 15'-30' mounting height, ambient sensor enabled at 1fc ^{5,15}	HS House-side shield ²⁰		DBLXD Black	
PER	NEMA twist-lock receptacle only (no controls) ¹¹			BL30	Bi-level switched dimming, 30% ^{5,13,17}	SF	Single fuse (120, 277, 347V) ⁶	DNAXD Natural aluminum	
PER5	Five-wire receptacle only (no controls) ^{11,12}			BL50	Bi-level switched dimming, 50% ^{5,13,17}	DF	Double fuse (208, 240, 480V) ⁶	DWHXD White	
PER7	Seven-wire receptacle only (no controls) ^{11,12}			PNMTDD3	Part night, dim till dawn ^{5,18}	L90	Left rotated optics ¹	DDBTXD Textured dark bronze	
DMG	0-10V dimming extend out back of housing for external control (no controls)			PNMT5D3	Part night, dim 5 hrs ^{5,18}	R90	Right rotated optics ¹	DBLTXD Textured black	
DS	Dual switching ^{13,14}			PNMT6D3	Part night, dim 6 hrs ^{5,18}	Shipped separately		DNATXD Textured natural aluminum	
PIRH	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enable at 5fc ^{5,15}			PNMT7D3	Part night, dim 7 hrs ^{5,18}	BS	Bird spikes ²¹	DWHGXD Textured white	
PIRHN	Network, Bi-Level motion/ambient sensor ¹⁶			FAO	Field Adjustable Output ¹⁹	EGS	External glare shield ²¹		

Ordering Information

Accessories

Ordered and shipped separately.

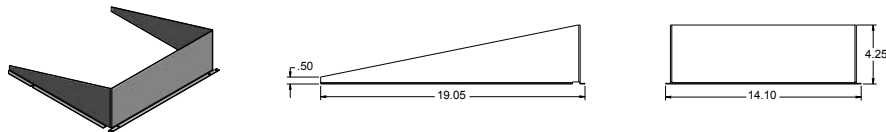
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²²
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²²
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²²
DSHORT SBK U	Shorting cap ²²
DSX2HS 80C U	House-side shield for 80 LED unit ²⁰
DSX2HS 90C U	House-side shield for 90 LED unit ²⁰
DSX2HS 100C U	House-side shield for 100 LED unit ²⁰
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²³
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ²³

For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- P10, P11, P12 or P14 and rotated optics (L90, R90) only available together.
- AMBPC not available with BLC, LCCO, RCCO, HS or P5, P7, P8, P13 or P14.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Any PIRx with BL30, BL50 or PNMT, is not available with 208V, 240V, 347V, 480V or MVOLT. It is only available in 120V or 277V specified.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish U); 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Must be ordered with PIRHN.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting Cap included.
- If ROAM@ node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming. Shorting Cap included.
- Requires (2) separately switched circuits. See Outdoor Control Technical Guide for details.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH.
- Reference Motion Sensor table on page 3.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Not available with BL30, BL50 or PNMT. For PER5 or PER7 see PER Table on page 3. Requires isolated neutral.
- Not available with 347V, 480V, DS, BL30, BL50. For PER5 or PER7 see PER Table on page 3. Separate Dusk to Dawn required.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 and PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.

External Glare Shield

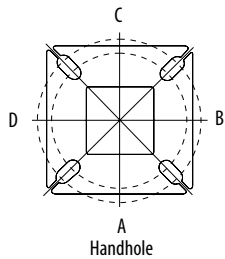


Drilling

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

HANDHOLE ORIENTATION



Pole drilling nomenclature: # of heads at degree from handhole (default side A)

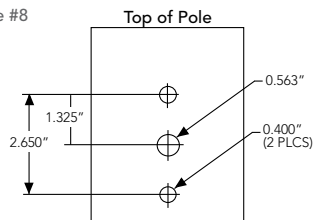
DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 280°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D

Note: Review luminaire spec sheet for specific nomenclature

Pole top or tenon O.D.	4.5" @ 90°	4" @ 90°	3.5" @ 90°	3" @ 90°	4.5" @ 120°	4" @ 120°	3.5" @ 120°	3" @ 120°
DSX SPA	Y	Y	Y	N	-	-	-	-
DSX RPA	Y	Y	N	N	Y	Y	Y	Y
DSX SPUMBA	Y	N	N	N	-	-	-	-
DSX RPUMBA	N	N	N	N	Y	Y	Y	N

*3 fixtures @ 120 require round pole top/tenon.

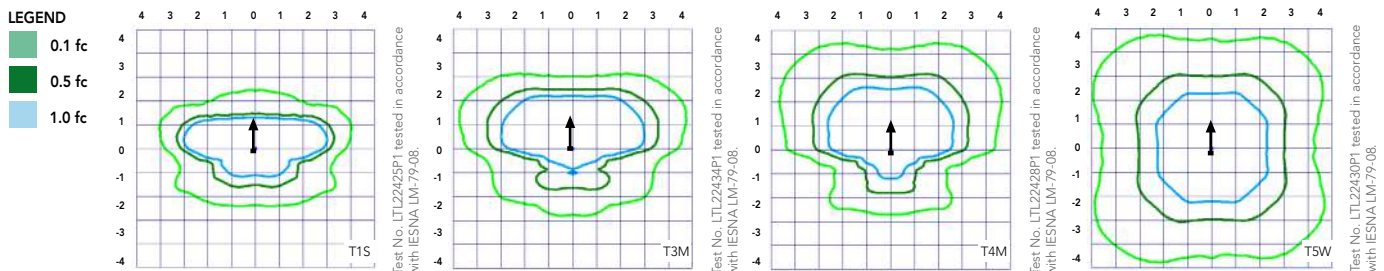
Template #8



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').



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	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
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	25000	50000	100000
Lumen Maintenance Factor	1.00	0.96	0.92	0.85

Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	80	530	140	1.18	0.68	0.59	0.51	0.40	0.32
	P2	80	700	185	1.56	0.90	0.78	0.66	0.52	0.39
	P3	80	850	217	1.82	1.05	0.90	0.80	0.63	0.48
	P4	80	1050	270	2.27	1.31	1.12	0.99	0.79	0.59
	P5	80	1250	321	2.68	1.54	1.34	1.17	0.93	0.68
	P6	100	1050	343	2.89	1.66	1.59	1.37	1.00	0.71
	P7	100	1250	398	3.31	1.91	1.66	1.45	1.16	0.81
	P8	100	1350	431	3.61	2.07	1.81	1.57	1.25	0.91
Rotated Optics (Requires L90 or R90)	P10	90	530	156	1.30	0.76	0.65	0.62	0.45	0.32
	P11	90	700	207	1.75	1.01	0.87	0.74	0.60	0.46
	P12	90	850	254	2.12	1.22	1.06	0.94	0.73	0.55
	P13	90	1200	344	2.88	1.65	1.44	1.25	1.00	0.73
	P14	90	1400	405	3.39	1.95	1.71	1.48	1.18	0.86

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.

PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)	
		Wire 4/Wire5	Wire 4/Wire5	Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	▲	Wired to dimming leads on driver	▲	Wires Capped inside fixture
ROAM	✗	✓	Wired to dimming leads on driver	▲	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	✗	▲	Wires Capped inside fixture	▲	Wires Capped inside fixture
Future-proof*	✗	▲	Wired to dimming leads on driver	✓	Wires Capped inside fixture
Future-proof* with Motion	✗	▲	Wires Capped inside fixture	✓	Wires Capped inside fixture

✓ Recommended
✗ Will not work
▲ Alternate

*Future-proof means: Ability to change controls in the future.

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																								
LED Count	Drive Current	Power Package	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
80	530	P1	140W	T1S	17,575	3	0	3	126	18,933	3	0	3	135	19,173	3	0	3	137	10,578	2	0	2	78
				T2S	17,556	3	0	3	125	18,913	3	0	3	135	19,152	3	0	3	137	10,554	2	0	2	77
				T2M	17,647	3	0	3	126	19,010	3	0	3	136	19,251	3	0	3	138	10,571	2	0	2	77
				T3S	17,090	3	0	3	122	18,411	3	0	3	132	18,644	3	0	3	133	10,548	2	0	2	77
				T3M	17,604	3	0	3	126	18,964	3	0	3	135	19,204	3	0	3	137	10,569	2	0	2	77
				T4M	17,221	3	0	3	123	18,552	3	0	4	133	18,787	3	0	4	134	10,547	2	0	2	77
				TFTM	17,593	3	0	3	126	18,952	3	0	4	135	19,192	3	0	4	137	10,741	1	0	2	78
				TSVS	18,297	4	0	1	131	19,711	4	0	1	141	19,961	4	0	1	143	11,155	3	0	0	81
				TSS	18,312	4	0	2	131	19,727	4	0	2	141	19,977	4	0	2	143	11,149	3	0	0	81
				TSM	18,266	4	0	2	130	19,677	4	0	2	141	19,926	4	0	2	142	11,096	3	0	2	81
				TSW	18,146	5	0	3	130	19,548	5	0	3	140	19,796	5	0	3	141	10,957	3	0	2	80
				BLC	14,424	2	0	2	103	15,539	2	0	3	111	15,736	2	0	3	112					
				LCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84					
				RCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84					
				80	700	P2	185W	T1S	22,305	3	0	3	121	24,029	3	0	3	130	24,333	3	0	3	132	13,147
T2S	22,281	3	0					4	120	24,003	3	0	4	130	24,307	3	0	4	131	13,116	2	0	2	70
T2M	22,396	3	0					3	121	24,127	3	0	3	130	24,432	3	0	3	132	13,138	2	0	2	70
T3S	21,690	3	0					4	117	23,366	3	0	4	126	23,662	3	0	4	128	13,110	2	0	2	70
T3M	22,342	3	0					4	121	24,068	3	0	4	130	24,373	3	0	4	132	13,135	2	0	3	70
T4M	21,857	3	0					4	118	23,545	3	0	4	127	23,844	3	0	4	129	13,108	2	0	2	70
TFTM	22,328	3	0					4	121	24,054	3	0	4	130	24,358	3	0	4	132	13,349	2	0	2	71
TSVS	23,222	5	0					1	126	25,016	5	0	1	135	25,333	5	0	1	137	13,864	3	0	1	74
TSS	23,241	4	0					2	126	25,037	4	0	2	135	25,354	4	0	2	137	13,856	3	0	1	74
TSM	23,182	5	0					3	125	24,974	5	0	3	135	25,290	5	0	3	137	13,790	3	0	2	73
TSW	23,030	5	0					4	124	24,810	5	0	4	134	25,124	5	0	4	136	13,617	4	0	2	72
BLC	18,307	2	0					3	99	19,721	2	0	3	107	19,971	2	0	3	108					
LCCO	13,622	2	0					3	74	14,674	2	0	4	79	14,860	2	0	4	80					
RCCO	13,622	2	0					3	74	14,674	2	0	4	79	14,860	2	0	4	80					
80	850	P3	217W					T1S	26,202	3	0	3	121	28,226	3	0	3	130	28,584	3	0	3	132	17,833
				T2S	26,174	3	0	4	121	28,196	3	0	4	130	28,553	3	0	4	132	17,791	3	0	3	66
				T2M	26,309	3	0	3	121	28,342	3	0	3	131	28,700	3	0	3	132	17,821	3	0	3	66
				T3S	25,479	3	0	4	117	27,448	3	0	4	126	27,795	3	0	4	128	17,782	3	0	3	66
				T3M	26,245	3	0	4	121	28,273	3	0	4	130	28,631	3	0	4	132	17,817	3	0	3	66
				T4M	25,675	3	0	4	118	27,659	3	0	4	127	28,009	3	0	4	129	17,779	3	0	3	66
				TFTM	26,229	3	0	4	121	28,255	3	0	4	130	28,613	3	0	4	132	18,107	3	0	3	67
				TSVS	27,279	5	0	1	126	29,387	5	0	1	135	29,759	5	0	1	137	18,805	4	0	1	70
				TSS	27,301	4	0	2	126	29,410	5	0	2	136	29,783	5	0	2	137	18,794	4	0	1	70
				TSM	27,232	5	0	3	125	29,336	5	0	3	135	29,707	5	0	3	137	18,705	4	0	2	69
				TSW	27,053	5	0	4	125	29,144	5	0	4	134	29,513	5	0	4	136	18,470	5	0	3	68
				BLC	21,504	2	0	3	99	23,166	2	0	3	107	23,459	2	0	4	108					
				LCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80					
				RCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80					
				80	1050	P4	270W	T1S	30,963	4	0	4	115	33,355	4	0	4	124	33,777	4	0	4	125	
T2S	30,930	4	0					4	115	33,320	4	0	4	123	33,742	4	0	4	125					
T2M	31,089	3	0					4	115	33,491	3	0	4	124	33,915	3	0	4	126					
T3S	30,108	4	0					4	112	32,435	4	0	5	120	32,845	4	0	5	122					
T3M	31,014	3	0					4	115	33,410	3	0	4	124	33,833	3	0	4	125					
T4M	30,340	3	0					5	112	32,684	3	0	5	121	33,098	3	0	5	123					
TFTM	30,995	3	0					5	115	33,390	3	0	5	124	33,812	3	0	5	125					
TSVS	32,235	5	0					1	119	34,726	5	0	1	129	35,166	5	0	1	130					
TSS	32,261	5	0					2	119	34,754	5	0	2	129	35,194	5	0	2	130					
TSM	32,180	5	0					4	119	34,667	5	0	4	128	35,105	5	0	4	130					
TSW	31,969	5	0					4	118	34,439	5	0	5	128	34,875	5	0	5	129					
BLC	25,412	2	0					4	94	27,376	2	0	4	101	27,722	2	0	4	103					
LCCO	18,909	2	0					4	70	20,370	2	0	4	75	20,628	2	0	4	76					
RCCO	18,909	2	0					4	70	20,370	2	0	4	75	20,628	2	0	4	76					

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																													
LED Count	Drive Current	Power Package	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					
80	1250	P5	321W	T1S	35,193	4	0	4	110	37,912	4	0	4	118	38,392	4	0	4	120										
				T2S	35,155	4	0	5	110	37,872	4	0	5	118	38,351	4	0	5	119										
				T2M	35,336	4	0	4	110	38,067	4	0	4	119	38,549	4	0	4	120										
				T3S	34,222	4	0	5	107	36,866	4	0	5	115	37,333	4	0	5	116										
				T3M	35,251	3	0	4	110	37,974	3	0	5	118	38,455	4	0	5	120										
				T4M	34,485	3	0	5	107	37,149	4	0	5	116	37,620	4	0	5	117										
				TFTM	35,229	3	0	5	110	37,951	3	0	5	118	38,431	3	0	5	120										
				TSVS	36,639	5	0	1	114	39,470	5	0	1	123	39,970	5	0	1	125										
				TSS	36,669	5	0	2	114	39,502	5	0	2	123	40,002	5	0	2	125										
				TSM	36,576	5	0	4	114	39,403	5	0	4	123	39,901	5	0	4	124										
				TSW	36,336	5	0	5	113	39,144	5	0	5	122	39,640	5	0	5	123										
				BLC	28,884	3	0	4	90	31,115	3	0	4	97	31,509	3	0	4	98										
				LCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73										
				RCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73										
100	1050	P6	343W	T1S	37,824	4	0	4	110	40,747	4	0	4	119	41,263	4	0	4	120	21,838	1	0	1	64					
				T2S	37,784	4	0	5	110	40,704	4	0	5	119	41,219	4	0	5	120	21,787	1	0	1	64					
				T2M	37,979	4	0	4	111	40,913	4	0	4	119	41,431	4	0	4	121	21,824	1	0	1	64					
				T3S	36,780	4	0	5	107	39,623	4	0	5	116	40,124	4	0	5	117	21,776	1	0	1	63					
				T3M	37,886	3	0	5	110	40,814	4	0	5	119	41,331	4	0	5	120	21,819	1	0	1	64					
				T4M	37,063	4	0	5	108	39,927	4	0	5	116	40,433	4	0	5	118	22,175	1	0	1	65					
				TFTM	37,863	3	0	5	110	40,789	4	0	5	119	41,305	4	0	5	120	21,773	1	0	1	63					
				TSVS	39,379	5	0	1	115	42,422	5	0	1	124	42,959	5	0	1	125	23,029	2	0	0	67					
				TSS	39,411	5	0	2	115	42,456	5	0	2	124	42,993	5	0	2	125	23,016	2	0	0	67					
				TSM	39,311	5	0	4	115	42,349	5	0	4	123	42,885	5	0	4	125	22,906	2	0	1	67					
				TSW	39,053	5	0	5	114	42,071	5	0	5	123	42,604	5	0	5	124	22,619	2	0	1	66					
				BLC	31,043	3	0	4	91	33,442	3	0	4	97	33,865	3	0	4	99										
				LCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73										
				RCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73										
100	1250	P7	398W	T1S	42,599	4	0	4	107	45,890	4	0	4	115	46,471	4	0	4	117										
				T2S	42,553	4	0	5	107	45,842	4	0	5	115	46,422	4	0	5	117										
				T2M	42,773	4	0	4	107	46,078	4	0	4	116	46,661	4	0	5	117										
				T3S	41,423	4	0	5	104	44,624	4	0	5	112	45,189	4	0	5	114										
				T3M	42,669	4	0	5	107	45,966	4	0	5	115	46,548	4	0	5	117										
				T4M	41,742	4	0	5	105	44,967	4	0	5	113	45,537	4	0	5	114										
				TFTM	42,643	4	0	5	107	45,938	4	0	5	115	46,519	4	0	5	117										
				TSVS	44,350	5	0	1	111	47,777	5	0	1	120	48,381	5	0	1	122										
				TSS	44,385	5	0	2	112	47,815	5	0	3	120	48,420	5	0	3	122										
				TSM	44,273	5	0	4	111	47,695	5	0	4	120	48,298	5	0	4	121										
				TSW	43,983	5	0	5	111	47,382	5	0	5	119	47,982	5	0	5	121										
				BLC	34,962	3	0	4	88	37,664	3	0	5	95	38,140	3	0	5	96										
				LCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71										
				RCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71										
100	1350	P8	448W	T1S	45,610	4	0	4	106	49,135	4	0	4	114	49,757	4	0	4	115										
				T2S	45,562	4	0	5	106	49,083	4	0	5	114	49,704	4	0	5	115										
				T2M	45,797	4	0	4	106	49,336	4	0	5	114	49,960	4	0	5	116										
				T3S	44,352	4	0	5	103	47,779	4	0	5	111	48,384	4	0	5	112										
				T3M	45,686	4	0	5	106	49,216	4	0	5	114	49,839	4	0	5	116										
				T4M	44,693	4	0	5	104	48,147	4	0	5	112	48,756	4	0	5	113										
				TFTM	45,657	4	0	5	106	49,186	4	0	5	114	49,808	4	0	5	116										
				TSVS	47,485	5	0	1	110	51,155	5	0	1	119	51,802	5	0	1	120										
				TSS	47,524	5	0	3	110	51,196	5	0	3	119	51,844	5	0	3	120										
				TSM	47,404	5	0	4	110	51,067	5	0	5	118	51,713	5	0	5	120										
				TSW	47,093	5	0	5	109	50,732	5	0	5	118	51,374	5	0	5	119										
				BLC	37,434	3	0	5	87	40,326	3	0	5	94	40,837	3	0	5	95										
				LCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71										
				RCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71										

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.

Rotated Optics																												
LED Count	Drive Current	Power Package	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				
90	530	P10	156W	T1S	20,145	4	0	4	129	21,702	4	0	4	139	21,977	4	0	4	141	11,475	3	0	3	77				
				T2S	20,029	4	0	4	128	21,577	4	0	4	138	21,850	4	0	4	140	11,448	3	0	3	76				
				T2M	20,391	4	0	4	131	21,967	4	0	4	141	22,245	4	0	4	143	11,467	3	0	3	76				
				T3S	19,719	4	0	4	126	21,242	4	0	4	136	21,511	4	0	4	138	11,442	3	0	3	76				
				T3M	20,379	4	0	4	131	21,954	4	0	4	141	22,232	4	0	4	143	11,464	4	0	4	76				
				T4M	19,995	4	0	4	128	21,540	4	0	4	138	21,812	5	0	5	140	11,440	4	0	4	76				
				TFTM	20,511	4	0	4	131	22,096	5	0	5	142	22,376	5	0	5	143	11,651	4	0	4	78				
				TSVS	20,655	4	0	1	132	22,251	4	0	1	143	22,533	4	0	1	144	12,288	3	0	1	82				
				TSS	20,482	4	0	2	131	22,064	4	0	2	141	22,343	4	0	2	143	11,978	3	0	1	80				
				TSM	20,477	5	0	3	131	22,059	5	0	3	141	22,338	5	0	3	143	12,301	4	0	2	82				
				TSW	20,293	5	0	3	130	21,861	5	0	3	140	22,138	5	0	4	142	12,109	4	0	2	81				
				BLC	16,846	4	0	4	108	18,148	4	0	4	116	18,378	4	0	4	118									
				LCCO	12,032	2	0	3	77	12,961	2	0	3	83	13,125	2	0	3	84									
				RCCO	12,016	4	0	4	77	12,944	4	0	4	83	13,108	4	0	4	84									
				90	700	P11	207W	T1S	25,518	4	0	4	123	27,490	4	0	4	133	27,837	4	0	4	134	14,387	3	0	3	70
								T2S	25,371	5	0	5	123	27,331	5	0	5	132	27,677	5	0	5	134	14,354	3	0	3	70
T2M	25,829	4	0					4	125	27,825	4	0	4	134	28,177	4	0	4	136	14,378	4	0	4	70				
T3S	24,977	5	0					5	121	26,907	5	0	5	130	27,248	5	0	5	132	14,347	4	0	4	70				
T3M	25,814	5	0					5	125	27,809	5	0	5	134	28,161	5	0	5	136	14,374	4	0	4	70				
T4M	25,327	5	0					5	122	27,284	5	0	5	132	27,629	5	0	5	133	14,344	4	0	4	70				
TFTM	25,981	5	0					5	126	27,989	5	0	5	135	28,343	5	0	5	137	15,408	4	0	1	75				
TSVS	26,164	5	0					1	126	28,185	5	0	1	136	28,542	5	0	1	138	15,019	4	0	1	73				
TSS	25,943	4	0					2	125	27,948	5	0	2	135	28,302	5	0	2	137	15,424	4	0	2	75				
TSM	25,937	5	0					3	125	27,941	5	0	3	135	28,295	5	0	3	137	14,609	4	0	4	71				
TSW	25,704	5	0					4	124	27,691	5	0	4	134	28,041	5	0	4	135	15,182	4	0	2	74				
BLC	21,339	4	0					4	103	22,988	4	0	4	111	23,279	4	0	4	112									
LCCO	15,240	2	0					4	74	16,418	2	0	4	79	16,626	2	0	4	80									
RCCO	15,220	5	0					5	74	16,396	5	0	5	79	16,604	5	0	5	80									
90	850	P12	254W					T1S	29,912	4	0	4	118	32,223	4	0	4	127	32,631	5	0	4	128					
								T2S	29,740	5	0	5	117	32,038	5	0	5	126	32,443	5	0	5	128					
				T2M	30,277	4	0	4	119	32,616	5	0	5	128	33,029	5	0	5	130									
				T3S	29,278	5	0	5	115	31,540	5	0	5	124	31,940	5	0	5	126									
				T3M	30,259	5	0	5	119	32,597	5	0	5	128	33,010	5	0	5	130									
				T4M	29,688	5	0	5	117	31,982	5	0	5	126	32,387	5	0	5	128									
				TFTM	30,455	5	0	5	120	32,808	5	0	5	129	33,224	5	0	5	131									
				TSVS	30,669	5	0	1	121	33,039	5	0	1	130	33,457	5	0	1	132									
				TSS	30,411	5	0	2	120	32,761	5	0	2	129	33,176	5	0	2	131									
				TSM	30,404	5	0	3	120	32,753	5	0	4	129	33,168	5	0	4	131									
				TSW	30,131	5	0	4	119	32,459	5	0	4	128	32,870	5	0	4	129									
				BLC	25,013	4	0	4	98	26,946	4	0	4	106	27,287	4	0	4	107									
				LCCO	17,865	2	0	4	70	19,245	2	0	4	76	19,489	2	0	4	77									
				RCCO	17,841	5	0	5	70	19,220	5	0	5	76	19,463	5	0	5	77									
				90	1200	P13	344W	T1S	38,768	5	0	5	113	41,764	5	0	5	121	42,292	5	0	5	123					
								T2S	38,545	5	0	5	112	41,523	5	0	5	121	42,049	5	0	5	122					
T2M	39,241	5	0					5	114	42,273	5	0	5	123	42,808	5	0	5	124									
T3S	37,947	5	0					5	110	40,879	5	0	5	119	41,396	5	0	5	120									
T3M	39,218	5	0					5	114	42,249	5	0	5	123	42,783	5	0	5	124									
T4M	38,478	5	0					5	112	41,451	5	0	5	120	41,976	5	0	5	122									
TFTM	39,472	5	0					5	115	42,522	5	0	5	124	43,060	5	0	5	125									
TSVS	39,749	5	0					1	116	42,821	5	0	1	124	43,363	5	0	1	126									
TSS	39,415	5	0					2	115	42,461	5	0	2	123	42,998	5	0	2	125									
TSM	39,405	5	0					4	115	42,450	5	0	4	123	42,988	5	0	4	125									
TSW	39,052	5	0					5	114	42,069	5	0	5	122	42,602	5	0	5	124									
BLC	32,419	5	0					5	94	34,925	5	0	5	102	35,367	5	0	5	103									
LCCO	23,154	3	0					5	67	24,943	3	0	5	73	25,259	3	0	5	73									
RCCO	23,124	5	0					5	67	24,910	5	0	5	72	25,226	5	0	5	73									
90	1400	P14	405W					T1S	42,867	5	0	5	106	46,180	5	0	5	114	46,764	5	0	5	115					
								T2S	42,621	5	0	5	105	45,914	5	0	5	113	46,495	5	0	5	115					
				T2M	43,390	5	0	5	107	46,743	5	0	5	115	47,335	5	0	5	117									
				T3S	41,959	5	0	5	104	45,201	5	0	5	112	45,773	5	0	5	113									
				T3M	43,365	5	0	5	107	46,716	5	0	5	115	47,307	5	0	5	117									
				T4M	42,547	5	0	5	105	45,834	5	0	5	113	46,414	5	0	5	115									
				TFTM	43,646	5	0	5	108	47,018	5	0	5	116	47,614	5	0	5	118									
				TSVS	43,952	5	0	1	109	47,349	5	0	1	117	47,948	5	0	1	118									
				TSS	43,583	5	0	2	108	46,950	5	0	2	116	47,545	5	0	3	117									
				TSM	43,572	5	0	4	108	46,939	5	0	4	116	47,533	5	0	4	117									
				TSW	43,181	5	0	5	107	46,518	5	0	5	115	47,107	5	0	5	116									
				BLC	35,847	5	0	5	89	38,617	5	0	5	95	39,106	5	0	5	97									
				LCCO	25,602	3	0	5	63	27,580	3	0	5	68	27,930	3	0	5	69									
				RCCO	25,569	5	0																					

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 and future light engine upgrades. 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 (1.1 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 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hrs 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 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) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty.

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.