



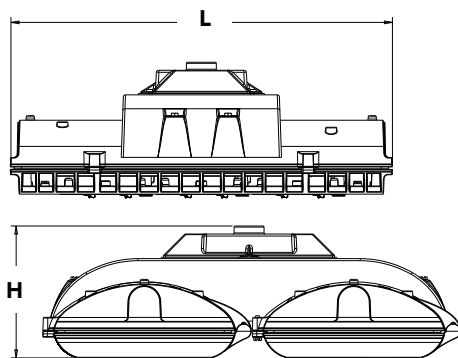
D-Series Parking Garage Tandem



d^{series}

Specifications

Length:	17-3/4" (45.1 cm)
Width:	19-9/16" (49.7 cm)
Height:	6-3/16" (15.7 cm)
Weight (max):	33 lbs (15.0 kg)



A+ Capable options indicated
by this color background.

Ordering Information

EXAMPLE: DSXPGT LED 60C 700 40K T5E MVOLT DWHXD

DSXPGT LED						
Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSXPGT LED	40C 40 LEDs (four engines)	530 530 mA	30K 3000 K	TSE Type V, entryway	MVOLT ² 277 ³	Shipped included (blank) Pendant or surface mount (36-inch length supply leads) ⁵
	60C 60 LEDs (six engines)	700 700 mA	40K 4000 K	TSM Type V, medium	120 ³ 347 ^{3,4}	
		1000 1000 mA (1 A)	50K 5000 K	TSW Type V, wide	208 ³ 480 ^{3,4}	
			AMBPC Amber phosphor converted ¹	TSR Type V, rectangular	240 ³	
				ASY Asymmetric		

Options			Finish (required)
Shipped installed			DWHXD White
(blank) Dual switching ^{6,7}		PIR3FC3V Motion/ambient sensor for 8-15' mounting heights and for typical applications requiring daylight harvesting and Title 24 compliance ⁹	DNAXD Natural aluminum
HS House-side shield (housing visor) ⁸		PIR3FC3V Motion/ambient sensor for 15-30' mounting heights and typical applications requiring daylight harvesting and Title 24 compliance ⁹	DDBXD Dark bronze
SF Single fuse (120, 277, 347V) ³		SPD Separate surge protection	
DF Double fuse (208, 240, 480V) ³			
PIR Motion/ambient sensor for 8-15' mounting heights ⁹			
PIRH Motion/ambient sensor for 15-30' mounting heights ⁹			



Catalog
Number

Notes

Type

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

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® 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

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

- 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](#)

Ordering Information Cont.

Accessories

Ordered and shipped separately.

DSXPGHS U House-side shield (1 per light engine)

NOTES

- 1 AMBPC only available with 530mA or 700mA.
- 2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 3 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- 4 Available with 700mA or 1000mA option only.
- 5 Compatible with 3/4" NPT pendant stem, by others.
- 6 Provides 50/50 luminaire operation via two independent drivers on two separate circuits.
- 7 Requires an additional switched line.
- 8 Also available as a separate accessory; see Accessories information at left.
- 9 See motion Sensor Table on page 3.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08.

Light Engines	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					AMBPC				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	74W	ASY	8,082	1	0	2	109	8,678	2	0	2	117	8,732	2	0	2	118	7,051	1	0	2	95
			TSE	8,485	3	0	1	115	9,111	3	0	1	123	9,169	3	0	1	124	7,404	3	0	1	100
			TSM	8,522	3	0	2	115	9,150	3	0	2	124	9,207	3	0	2	124	7,435	3	0	2	100
			TSR	8,389	4	0	4	113	9,008	4	0	4	122	9,065	4	0	4	123	7,320	3	0	3	99
			T5W	7,984	4	0	2	108	8,574	4	0	2	116	8,628	4	0	2	117	6,967	3	0	2	94
	700 mA	92W	ASY	10,259	2	0	2	112	11,016	2	0	2	120	11,085	2	0	2	120	8,668	2	0	2	94
			TSE	10,772	3	0	1	117	11,568	3	0	1	126	11,640	3	0	1	127	9,101	3	0	1	99
			TSM	10,817	4	0	2	118	11,616	4	0	2	126	11,689	4	0	2	127	9,139	3	0	2	99
			TSR	10,651	4	0	4	116	11,437	4	0	4	124	11,508	4	0	4	125	8,998	4	0	4	98
			T5W	10,137	4	0	2	110	10,885	4	0	2	118	10,953	4	0	2	119	8,565	4	0	2	93
	1000 mA	148W	ASY	14,165	2	0	3	96	15,212	2	0	3	103	15,307	2	0	3	103					
			TSE	14,875	4	0	1	101	15,972	4	0	1	108	16,072	4	0	1	109					
			TSM	14,937	4	0	2	101	16,039	4	0	2	108	16,140	4	0	2	109					
			TSR	14,707	4	0	4	99	15,792	4	0	4	107	15,890	4	0	4	107					
			T5W	13,996	4	0	3	95	15,031	4	0	3	102	15,124	4	0	3	102					
60C (60 LEDs)	530 mA	106W	ASY	11,991	2	0	2	113	12,876	2	0	2	121	12,956	2	0	2	122	10,666	2	0	2	101
			TSE	12,591	3	0	1	119	13,520	4	0	1	128	13,606	4	0	1	128	11,199	3	0	1	106
			TSM	12,643	4	0	2	119	13,577	4	0	2	128	13,662	4	0	2	129	11,246	4	0	2	106
			TSR	12,448	4	0	4	117	13,368	4	0	4	126	13,451	4	0	4	127	11,072	4	0	4	104
			T5W	11,849	4	0	2	112	12,723	4	0	2	120	12,802	4	0	2	121	10,539	4	0	2	99
	700 mA	134W	ASY	15,116	2	0	3	113	16,230	2	0	3	121	16,332	2	0	3	122	13,002	2	0	2	97
			TSE	15,871	4	0	1	118	17,042	4	0	1	127	17,149	4	0	1	128	13,652	4	0	1	102
			TSM	15,937	4	0	2	119	17,114	4	0	2	128	17,221	4	0	2	129	13,709	4	0	2	102
			TSR	15,692	4	0	4	117	16,850	5	0	5	126	16,955	5	0	5	127	13,497	4	0	4	101
			T5W	14,934	4	0	3	111	16,037	5	0	3	120	16,138	5	0	3	120	12,847	4	0	2	96
	1000 mA	214W	ASY	20,426	3	0	3	95	21,934	3	0	3	102	22,072	3	0	3	103					
			TSE	21,448	4	0	1	100	23,032	5	0	1	108	23,175	5	0	1	108					
			TSM	21,537	5	0	3	101	23,128	5	0	3	108	23,272	5	0	3	109					
			TSR	21,205	5	0	5	99	22,771	5	0	5	106	22,914	5	0	5	107					
			T5W	20,184	5	0	3	94	21,674	5	0	3	101	21,808	5	0	3	102					

Lumen Ambient Temperature (LAT) Multipliers

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

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

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXPGT LED 60C 1000 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSXPGT LED 60C 1000			
	1.0	0.94	0.90	0.83

Electrical Load

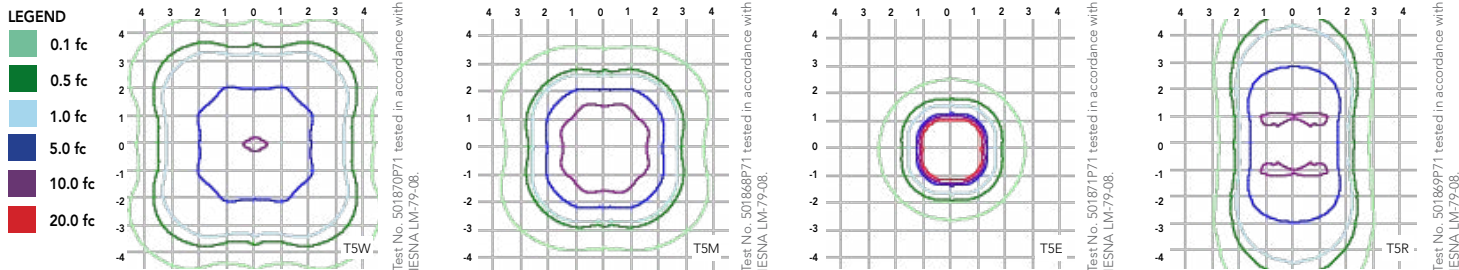
LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
40C	530	74W	0.69	0.40	0.34	0.30	—	—
	700	92W	0.94	0.54	0.47	0.41	0.33	0.24
	1000	148W	1.36	0.78	0.68	0.59	—	—
60C	530	106W	0.98	0.57	0.49	0.43	—	—
	700	134W	1.37	0.79	0.69	0.59	0.47	0.34
	1000	214W	2.00	1.15	1.00	0.87	—	—



Photometric Diagrams

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

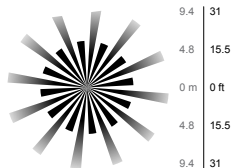
Isofootcandle plots for the DSXPXT LED 60C 700 40K. Distances are in units of mounting height (8').



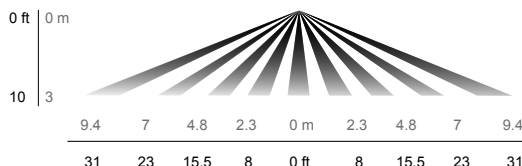
Motion Sensing

The motion/ambient sensor options (PIR360SS or PIRH360SS) have 360° of passive infrared sensing and adjustable bi-level dimming to save energy when there are no occupants.

TOP VIEW



SIDE VIEW



Motion Sensor & Photocell Default Settings (Any other presets require an RFD)

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
*PIR3FC3V or PIRH3FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 3FC	3 sec	5 min	5 min

* PIR & PIR3FC3V uses SBOR10; PIRH & PIRH3FC3V uses SBOR6

FEATURES & SPECIFICATIONS

INTENDED USE

The D-Series Parking Garage Tandem luminaire provides high levels of illumination to meet or exceed recommended criteria for sections of parking structures that demand higher light levels, such as by cashier booths.

CONSTRUCTION

Two primary die-cast aluminum housings are joined with an intermediate canopy piece for easy installation. 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.

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.

OPTICS

Precision-molded proprietary acrylic lenses provide five different photometric distributions tailored specifically to parking garage applications. Light engines are available in 3000 K (80 min. CRI), 4000 K (70 min. CRI) or 5000 K (65 min. CRI) configurations.

ELECTRICAL

Light engines consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life. The electronic driver has a power factor of >90%, THD <20%, and a minimum 3.0 KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Standard configuration accepts a rigid or free-swinging 3/4" NPT stem (by others) for pendant mounting. The surface mount option attaches to a 4x4" recessed or surface mount outlet box using a quick-mount kit (included); kit contains galvanized steel plates for the luminaire and outlet box, plus a full pad gasket. Kit has an integral mounting support that allows the luminaire to hinge down for easy electrical connections. Luminaire and plates are secured with captive screws. Supply leads are 36" in length as standard. For longer supply leads, please consult factory.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

