D-Series Size 2

Amber Series
LED Area Luminaire

NIGHTTIME FRIENDLY

Catalog Number

Notes

Type

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

Specifications

EPA: 1.06 ft² (0.10 m²)

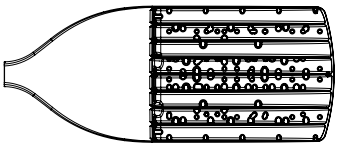
Length: 40.59" (103.1 cm)

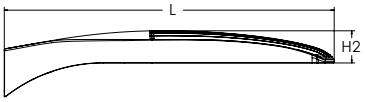
Width: 16.76" (42.6 cm)

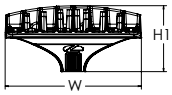
Height H1: 8.11" (20.6 cm)

Height H2: 3.96" (10.1 cm)

Weight: 46 lbs (20.9 kg)







Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in Amber 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. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications.

Ordering Information

EXAMPLE: DSX2 LED P6 AMBPC AMCRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX2 LED

Series	LEDs	Color temperature [2]	Color Rendering Index [2]	Distribution	Voltage	Mounting
DSX2 LED	**Forward optics** P1 P5 P2 P6 P3 P4 **Rotated optics** P10 [1] P11 [1] P12 [1]	AMBLW Limited wavelength amber AMBPC Phosphor converted amber	AMCRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare [3] T4M Type IV medium T4LG Type IV low glare [3] TFTM Forward throw medium T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control [3] BLC4 Type IV backlight control [3] LCCO Left corner cutoff [3] RCCO Right corner cutoff [3]	MVOLT (120V-277V) [4] HVOLT (347V-480V) [5,6] XVOLT (277V - 480V) [7,8]	**Shipped included** SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling [9] RPA5 Round pole mounting #5 drilling [9] SPA8N Square narrow pole mounting #8 drilling WBA Wall bracket [10] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options		Other options	Finish *(required)*	
Shipped installed		**Shipped installed**	DDBXD	Dark Bronze
NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient senso, 8-40' mounting height, ambient sensor enabled at 2fc. [11,12,20,21]	SPD20KV 20KV surge protection	DBLXD	Black
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [13,20,21]	HS Houseside shield (black finish standard) [22]	DNAXD	Natural Aluminum
PER	NEMA twist-lock receptacle only (controls ordered separate) [14]	L90 Left rotated optics [1]	DWHXD	White
PER5	Five-pin receptacle only (controls ordered separate) [14,21]	R90 Right rotated optics [1]	DDBTXD	Textured dark bronze
PER7	Seven-pin receptacle only (controls ordered separate) [14,21]	CCE Coastal Construction [23]	DBLBXD	Textured black
FAO	Field adjustable output [15,21]	3G Vibration rated for 3G [24]	DNATXD	Textured natural aluminum
BL30	Bi-level switched dimming, 30% [16,21]	**Shipped separately**	DWHGXD	Textured white
BL50	Bi-level switched dimming, 50% [16,21]	EGSR External Glare Shield (reversible, field install required, matches housing finish)		
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]	BSDB Bird Spikes (field install required)		
DS	Dual switching [18,19,21]			

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com

Ordering Information

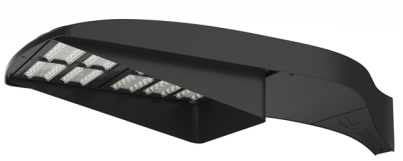
Accessories

Ordered and shipped separately.

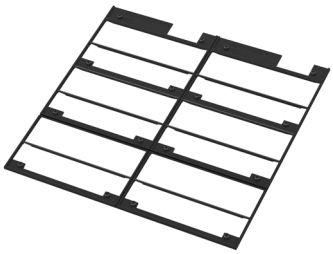
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [25]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [25]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [25]
DSHORT SBK	Shorting cap [25]
DSX2HS P#	House-side shield (enter package number 1-12 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX2EGSR (FINISH)	External glare shield (specify finish)
DSX2BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

NOTES
1 Rotated optics available with packages P10, P11 and P12. Must be combined with option L90 or R90.
2 AMBLW only available in package P1, P4, and P10. AMCRI must be specified with AMBLW or AMBPC.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in package P10.
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this link
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P10 using HVOLT. NLTAIR2 PIRHN not available with P10 using XVOLT.
13 PIR not available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P10 using HVOLT. PIR not available with P10 using XVOLT.
14 PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, BL30, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, DMG and DS.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
18 DS not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
19 DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads on P1, P2, P3, P4, P5 (2 drivers). Note: Provides 60/40 operation using (2) different sets of leads on P6, P10, P11, P12 (3 drivers).
20 Reference Motion Sensor Default Settings table on page 4 to see functionality.
21 Reference Controls Options table on page 4.
22 HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
23 CCE option not available with option BSDB and EGSR. Contact Technical Support for availability.
24 Option 3G for use with (MA) mast arm mount only when 3G vibration is required.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.

Shield Accessories



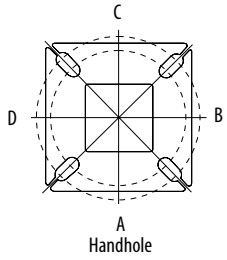
External Glare Shield (EGSR)



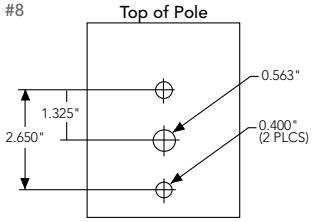
House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION



Template #8



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX2 Area Luminaire - EPA

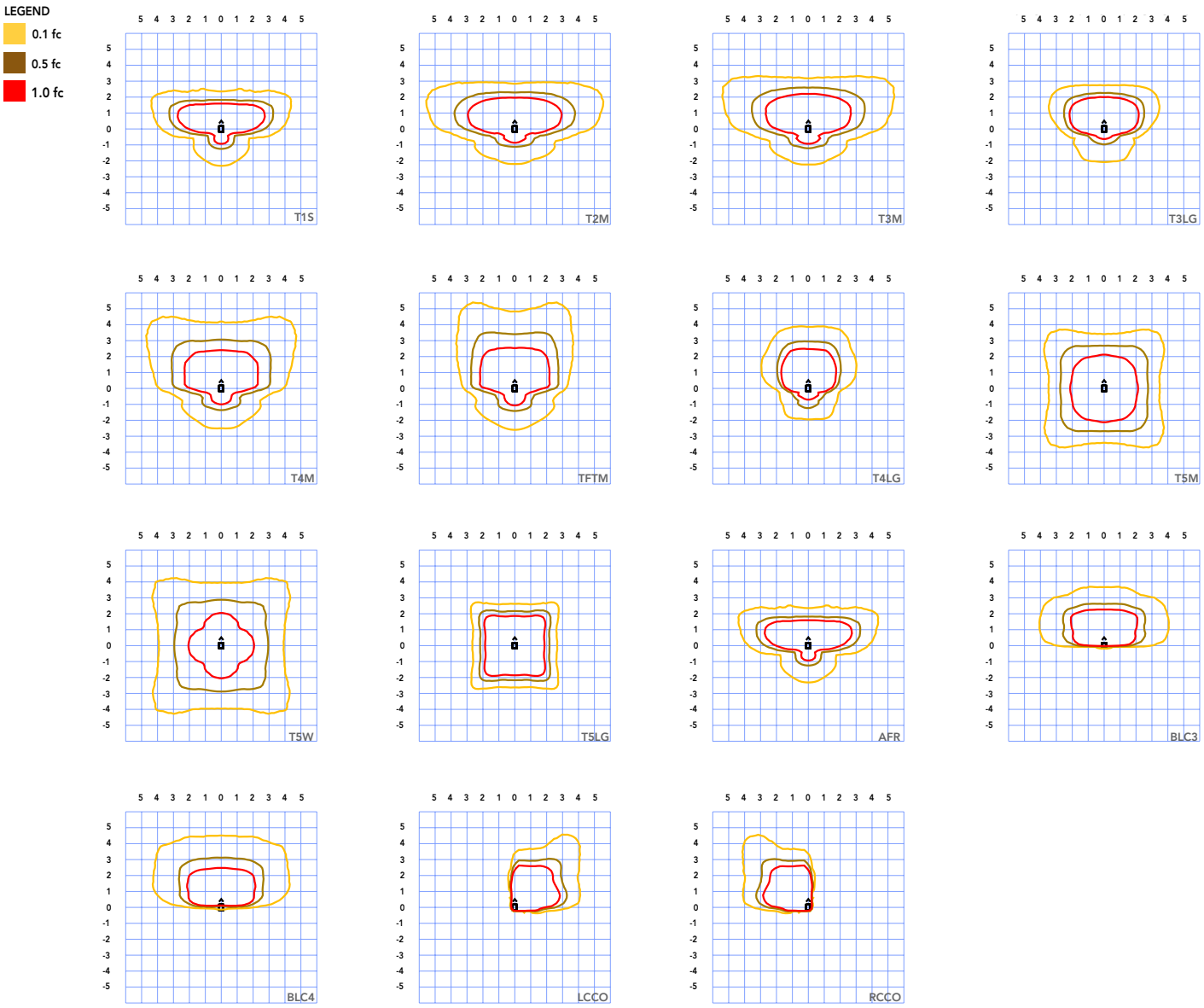
*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX2 with SPA	1.06	2.12	1.84	2.32	---	2.33
DSX2 with SPA5, SPA8N	1.07	2.14	1.90	2.43	---	2.44
DSX2 with RPA, RPA5	1.07	2.14	1.90	2.43	2.31	2.44
DSX2 with MA	1.20	2.40	2.12	3.00	2.92	3.00

Photometric Diagrams

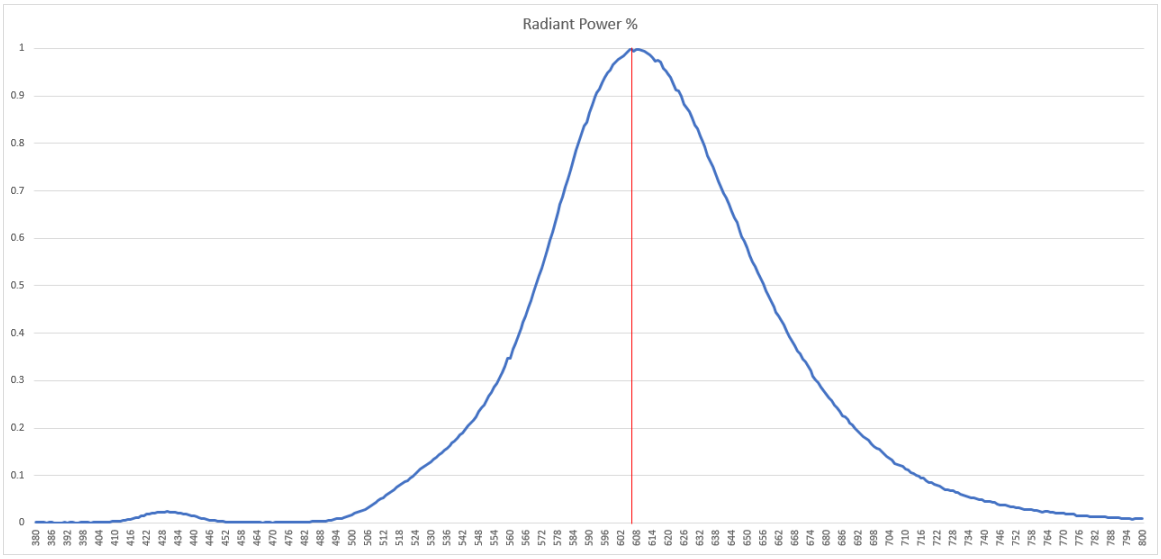
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

Isofootcandle plots for the DSX2 LED P6 AMBPC AMCRI. Distances are in units of mounting height (25').

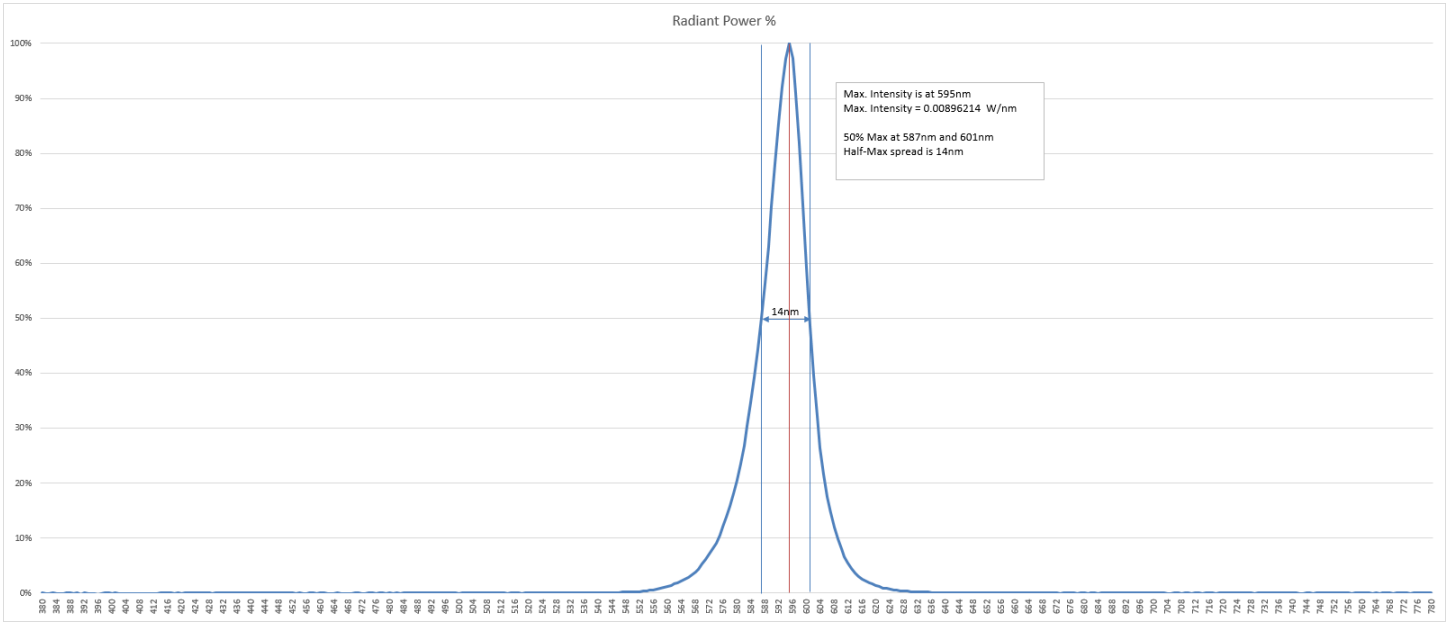


One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com

AMBPC - Phosphor Converted Amber



AMBLW - True Limited Wavelength Amber



Performance Data

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load - AMBPC (Phospher Converted Amber)

					Current (A)					
	Peformance Package	LED Count	Drive Current (mA)	Wattage	120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	80	530	138	1.15	0.66	0.57	0.50	0.40	0.29
	P2	80	700	184	1.53	0.88	0.76	0.66	0.53	0.38
	P3	80	1050	281	2.35	1.35	1.17	1.02	0.81	0.59
	P4	100	530	173	1.44	0.83	0.72	0.62	0.50	0.36
	P5	100	700	230	1.91	1.10	0.96	0.83	0.66	0.48
	P6	100	1050	350	2.91	1.68	1.46	1.26	1.01	0.73
Rotated Optics (Requires L90 or R90)	P10	90	530	155	1.29	0.75	0.65	0.56	0.45	0.32
	P11	90	700	207	1.73	1.00	0.86	0.75	0.60	0.43
	P12	90	1050	315	2.62	1.51	1.31	1.14	0.91	0.66

Electrical Load - AMBLW (Limited Wavelength Amber)

					Current (A)					
	Peformance Package	LED Count	Drive Current (mA)	Wattage	120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	80	530	109	0.91	0.52	0.45	0.39	0.31	0.23
	P4	100	530	138	1.15	0.66	0.58	0.50	0.40	0.29
Rotated Optics (Requires L90 or R90)	P10	90	530	123	1.02	0.59	0.51	0.44	0.35	0.26

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

FORWARD OPTICS

Performance Package	LED Count	Drive Current (mA)	Distribution Type	AMBPC (Phosphor Converted)						AMBLW (Limited Wavelength)					
				System Watts	Lumens	B	U	G	LPW	System Watts	Lumens	B	U	G	LPW
P1	80	530	T1S	138W	12,308	2	0	2	89	109W	5,535	1	0	1	51
			T2M		11,402	2	0	3	83		5,128	1	0	2	47
			T3M		11,534	2	0	3	84		5,187	1	0	2	48
			T3LG		10,303	2	0	2	75		4,633	1	0	1	43
			T4M		11,706	2	0	4	85		5,264	1	0	3	48
			T4LG		10,647	1	0	2	77		4,788	1	0	1	44
			TFTM		11,787	2	0	3	86		5,301	1	0	2	49
			T5M		12,044	4	0	2	87		5,416	3	0	1	50
			T5W		12,239	4	0	3	89		5,504	3	0	2	51
			T5LG		12,079	3	0	2	88		5,432	2	0	1	50
			BLC3		8,390	0	0	2	61		3,773	0	0	1	35
			BLC4		8,665	0	0	3	63		3,897	0	0	2	36
			RCCO		8,465	1	0	2	61		3,807	0	0	1	35
			LCCO		8,465	1	0	2	61		3,807	0	0	1	35
			AFR		12,308	2	0	2	89		5,535	1	0	1	51
P2	80	700	T1S	184W	15,466	2	0	2	84						
			T2M		14,327	2	0	3	78						
			T3M		14,493	2	0	4	79						
			T3LG		12,946	2	0	2	71						
			T4M		14,709	2	0	4	80						
			T4LG		13,378	2	0	2	73						
			TFTM		14,811	2	0	4	81						
			T5M		15,134	4	0	2	82						
			T5W		15,379	4	0	3	84						
			T5LG		15,177	3	0	2	83						
			BLC3		10,542	0	0	2	57						
			BLC4		10,888	0	0	3	59						
			RCCO		10,637	1	0	2	58						
			LCCO		10,637	1	0	2	58						
			AFR		15,466	2	0	2	84						
P3	80	1050	T1S	281W	21,053	2	0	3	75						
			T2M		19,503	3	0	4	69						
			T3M		19,729	3	0	5	70						
			T3LG		17,623	2	0	2	63						
			T4M		20,023	3	0	5	71						
			T4LG		18,212	2	0	3	65						
			TFTM		20,162	3	0	5	72						
			T5M		20,601	5	0	3	73						
			T5W		20,935	5	0	3	74						
			T5LG		20,661	4	0	2	73						
			BLC3		14,351	0	0	3	51						
			BLC4		14,822	0	0	4	53						
			RCCO		14,479	1	0	3	51						
			LCCO		14,479	1	0	3	51						
			AFR		21,053	2	0	3	75						

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

FORWARD OPTICS

Performance Package	LED Count	Drive Current (mA)	Distribution Type	AMBPC (Phosphor Converted)						AMBLW (Limited Wavelength)					
				System Watts	Lumens	B	U	G	LPW	System Watts	Lumens	B	U	G	LPW
P4	100	530	T1S	173W	15,289	2	0	2	88	138W	6,172	1	0	1	44
			T2M		14,163	2	0	3	82		5,717	1	0	2	41
			T3M		14,327	2	0	4	83		5,784	1	0	3	42
			T3LG		12,798	2	0	2	74		5,166	1	0	1	37
			T4M		14,541	2	0	4	84		5,870	1	0	3	43
			T4LG		13,225	2	0	2	76		5,339	1	0	1	39
			TFTM		14,641	2	0	4	85		5,910	1	0	3	43
			T5M		14,961	4	0	2	87		6,039	3	0	1	44
			T5W		15,203	4	0	3	88		6,137	3	0	2	44
			T5LG		15,004	3	0	2	87		6,057	2	0	1	44
			BLC3		10,421	0	0	2	60		4,207	0	0	2	30
			BLC4		10,763	0	0	3	62		4,345	0	0	2	31
			RCCO		10,515	1	0	2	61		4,245	0	0	2	31
			LCCO		10,515	1	0	2	61		4,245	0	0	2	31
			AFR		15,289	2	0	2	88		6,172	1	0	1	44
P5	100	700	T1S	230W	19,136	2	0	3	135						
			T2M		17,727	3	0	4	77						
			T3M		17,933	3	0	4	78						
			T3LG		16,019	2	0	2	70						
			T4M		18,200	3	0	5	79						
			T4LG		16,553	2	0	2	72						
			TFTM		18,326	3	0	5	80						
			T5M		18,725	5	0	3	82						
			T5W		19,029	5	0	3	83						
			T5LG		18,779	4	0	2	82						
			BLC3		13,044	0	0	3	57						
			BLC4		13,472	0	0	4	59						
			RCCO		13,161	1	0	3	57						
			LCCO		13,161	1	0	3	57						
			AFR		19,136	2	0	3	135						
P6	100	1050	T1S	350W	25,768	3	0	3	129						
			T2M		23,871	3	0	5	68						
			T3M		24,148	3	0	5	69						
			T3LG		21,570	3	0	3	62						
			T4M		24,508	3	0	5	70						
			T4LG		22,290	2	0	3	64						
			TFTM		24,677	3	0	5	71						
			T5M		25,215	5	0	3	72						
			T5W		25,624	5	0	4	73						
			T5LG		25,288	4	0	2	72						
			BLC3		17,564	0	0	4	50						
			BLC4		18,141	0	0	5	52						
			RCCO		17,722	1	0	4	51						
			LCCO		17,722	1	0	4	51						
			AFR		25,768	3	0	3	129						

Performance Data

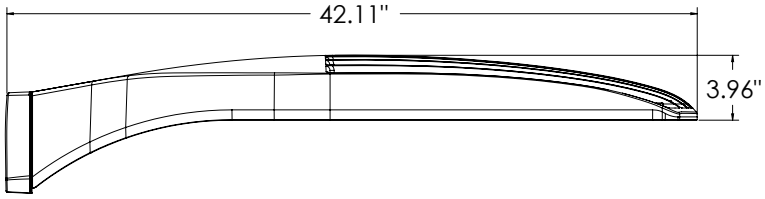
Lumen Output

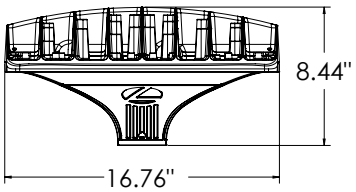
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

ROTATED OPTICS

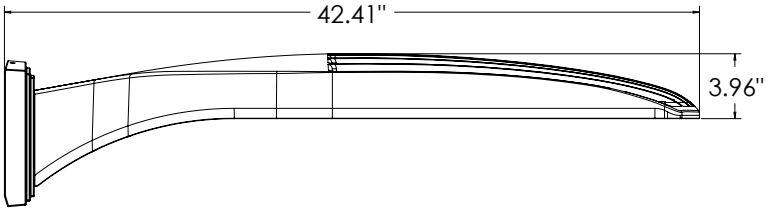
Performance Package	LED Count	Drive Current (mA)	Distribution Type	AMBPC (Phosphor Converted)						AMBLW (Limited Wavelength)					
				System Watts	Lumens	B	U	G	LPW	System Watts	Lumens	B	U	G	LPW
P10	90	530	T1S	155W	14,085	3	0	3	91	123W	5,478	2	0	2	45
			T2M		13,048	4	0	4	84		5,075	3	0	3	41
			T3M		13,197	4	0	4	85		5,133	3	0	3	42
			T3LG		11,791	3	0	3	76		4,586	2	0	2	37
			T4M		13,394	4	0	4	86		5,209	3	0	3	42
			T4LG		12,182	3	0	3	79		4,738	2	0	2	39
			TFTM		13,489	4	0	4	87		5,246	3	0	3	43
			T5M		13,781	4	0	2	89		5,360	3	0	1	44
			T5W		14,004	4	0	3	90		5,446	3	0	2	44
			T5LG		13,821	3	0	2	89		5,375	2	0	1	44
			BLC3		9,600	3	0	3	62		3,734	2	0	2	30
			BLC4		9,914	4	0	4	64		3,856	3	0	3	31
			RCCO		9,686	1	0	2	62		3,767	0	0	1	31
			LCCO		9,688	4	0	4	62		3,768	3	0	3	31
			AFR		14,085	3	0	3	91		5,478	2	0	2	45
P11	90	700	T1S	207W	17,656	4	0	4	85						
			T2M		16,356	4	0	4	79						
			T3M		16,543	4	0	4	80						
			T3LG		14,780	3	0	3	71						
			T4M		16,790	4	0	4	81						
			T4LG		15,270	3	0	3	74						
			TFTM		16,909	4	0	4	82						
			T5M		17,275	4	0	2	83						
			T5W		17,555	5	0	3	85						
			T5LG		17,325	4	0	2	84						
			BLC3		12,034	4	0	4	58						
			BLC4		12,428	4	0	4	60						
			RCCO		12,142	1	0	3	59						
			LCCO		12,144	5	0	5	59						
			AFR		17,656	4	0	4	85						
P12	90	1050	T1S	315W	23,661	4	0	4	75						
			T2M		21,919	5	0	5	70						
			T3M		22,170	5	0	5	70						
			T3LG		19,807	4	0	4	63						
			T4M		22,500	5	0	5	71						
			T4LG		20,464	4	0	4	65						
			TFTM		22,659	5	0	5	72						
			T5M		23,150	5	0	3	74						
			T5W		23,525	5	0	4	75						
			T5LG		23,217	4	0	2	74						
			BLC3		16,127	4	0	4	51						
			BLC4		16,655	4	0	4	53						
			RCCO		16,271	1	0	3	52						
			LCCO		16,274	5	0	5	52						
			AFR		23,661	4	0	4	75						

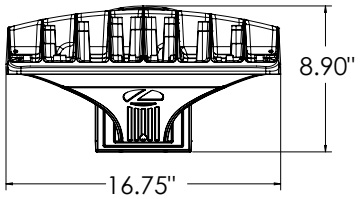
Dimensions



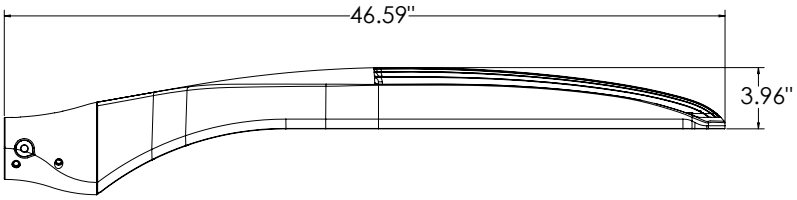


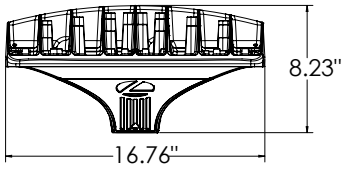
DSX2 with RPA, RPA5, SPA5, SPA8N mount
Weight: 48 lbs





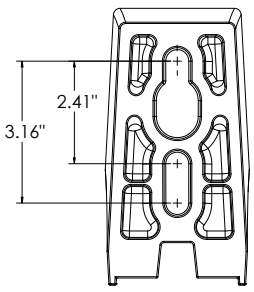
DSX2 with WBA mount
Weight: 50 lbs



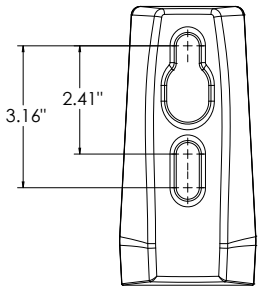


DSX2 with MA mount
Weight: 50 lbs

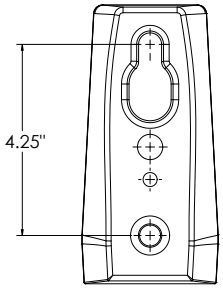
SPA (STANDARD ARM)



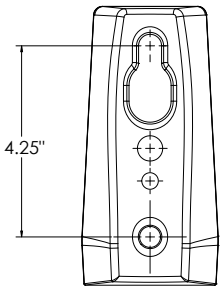
RPA



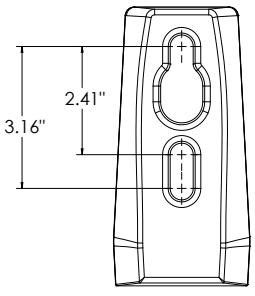
SPA5



RPA5



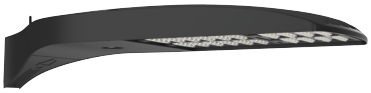
SPA8N

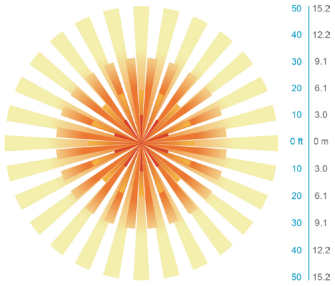


nLight Control - Sensor Coverage and Settings

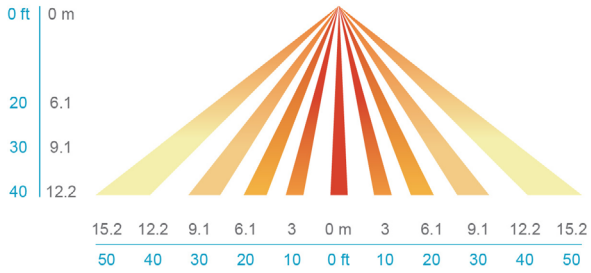
nLight Sensor Coverage Pattern

NLTAIR2 PIRHN





Top



Side

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 driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 1.5G. 3G vibration rated available for (MA) mast arm mount when specifying option 3G. Low EPA (1.06 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.

Coastal Construction (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. 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 amber LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life. 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

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

STANDARD CONTROLS

The DSX2 LED area luminaire has a number of control options. DSX Size 2, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX2 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40ºC minimum ambient.

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.