



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.

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 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 with typical energy savings of up to 80% vs. 1000W HID and expected service life of over 100,000 hours.

Specifications

EPA: 1.06 ft²
(0.10 m²)

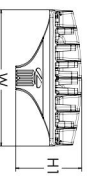
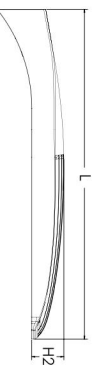
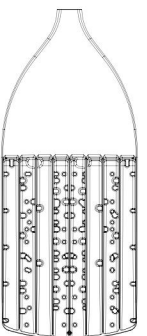
Length: 40.59"
(103.1 cm)

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)



ds Design Select options indicated by this color background.

Ordering Information

EXAMPLE: DSX2 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution	Voltage	Mounting
DSX2LED	Forward optics P1 P5 P2 P6 P3 P7 P4 P8	(this section 70CRI only)	70CRI 70CRI 70CRI	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	MVOLT (120V-277V) ¹ HVOLT (347V-480V) ^{1,5} XVOLT (277V-480V) ^{2,8}	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 2.318" OD horizontal tennon)
	Rotated optics P10 ¹ P13 ¹ P11 ¹ P14 ¹ P12 ¹	(this section 80CRI only, extended lead times apply)	80CRI 80CRI 80CRI 80CRI	T5M Type V medium T5LG Type V low glare TSW Type V wide BLC3 Type III backlight control ⁹ BLC4 Type IV backlight control ⁹ LCCO Left corner cutoff ⁹ RCCO Right corner cutoff ⁹		

Control options	Other options	Shipped separately	Finish (required)	
Shipped installed NLTAIR2 PIRHN PIR PER PERS	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40" mounting height, ambient sensor enabled at 2'C ^{11, 12, 20, 21} High/low motion/ambient sensor, 8-40" mounting height, ambient sensor enabled at 2'C^{13, 20, 21} NEMA twist-lock receptacle only (controls ordered separate) ¹⁴ Five-pin receptacle only (controls ordered separate) ^{14, 21}	Shipped installed SPD20KV 20KV surge protection HS House side shield (black finish standard) ²² L90 Left rotated optics ¹ R90 Right rotated optics ¹ CCE Coastal Construction ¹³ HA Buy America(n) Act and/or Build America Buy America Qualified BAA SF Single fuse (120, 277, 347V) ²⁶ DF Double fuse (208, 240, 480V) ²⁶ 3G Vibration rated for 3G ²⁷	Shipped separately EGSR External Glare Shield (reversible, field install required, matches housing finish) B5DB Bird Spikes (field install required) DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured dark bronze DBLBSD Textured black DNATXD Textured natural aluminum DWHGXD Textured white	
PER7 FAO BL30 BL50 DMG DS	Seven-pin receptacle only (controls ordered separate) ^{14, 21} Field adjustable output ^{15, 21} Bi-level switched dimming, 30% ^{16, 21} Bi-level switched dimming, 50% ^{16, 21} 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷ Dual switching ^{18, 19, 21}			

Ordering Information

Accessories

Ordered and shipped separately.

DL127F 1.5 CUU	PhotoCell - SL Twist-lock (120-277V) ²⁵
DL1347F 1.5 CUU JU	PhotoCell - SL Twist-lock (1347V) ²⁵
DL1480F 1.5 CUU JU	PhotoCell - SS-L Twist-lock (480V) ²⁵
DSH0RT SRK	Shorting cap ²⁵
DSX2HS P#	House-side shield (enter package number 1-13 in place of #)
DSX2RPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSX2SPAS (FINISH)	Square pole adapter #5 drilling (specify finish)
DSX2RPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSX2EGRS (FINISH)	External glare shield (specify finish)
DSX2B5DB (FINISH)	Blind spike deterrent bracket (specify finish)

NOTES

- Rated optics available with packages P10, P11, P12, P13 and P14. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T4LG, T4LG, BL3C, BL3C4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P10 when combined with option NLTAR2 PIRHN or option PIR.
- HVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in package P10. XVOLT not available with fusing (SF or DF).
- SPAS and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAR2 and PIRHN must be ordered together. For more information on nLight AIR2 visit this [link](#)
- NLTAR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAR2 PIRHN not available with P10 using XVOLT.
- PIR not available with NLTAR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. PIR not available with P10 using XVOLT.
- 14) PER/PER5/PER7 not available with NLTAR2 PIRHN, PIR, BL50, BL50, FAO, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, DMG and DS.
- BL30 and BL50 are not available with NLTAR2 PIRHN, PIR, PER, PER5, PER7, FAO, DMG and DS. BL30 or BL50 must specify 120 or 277V.
- DMG not available with NLTAR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DS.
- DS not available with NLTAR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.
- 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, P7, P8, P9, P10, P11, P12, P13, P14 (3 drivers).
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- HS not available with T4LG, BL3C, BL3C4, LCCO and RCCO distribution. Also available as a separate accessory, see Accessories information.
- CCE option not available with option BS and EGRS. Contact Technical Support for availability.
- Option HA not available with performance packages P5, P6, P7, P8, P13 and P14.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- Option 3G for use with (MA) must arm mount only when 3G vibration is required.

Shield Accessories



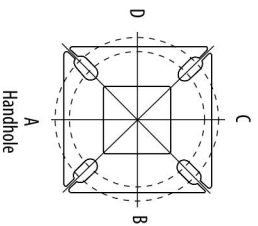
External Glare Shield (EGSR)



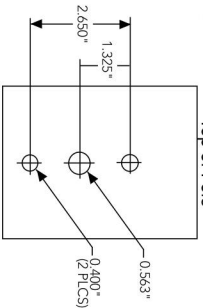
House Side Shield (HS)

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	AS125-190	AS125-280	AS125-290	AS125-390	AS125-320	AS125-490
4"	RPA	AS135-190	AS135-280	AS135-290	AS135-390	AS135-320	AS135-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location	#8	Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19A5	DM28A5	DM29A5	DM39A5	DM32A5	DM49A5
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	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"	3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8H	#8	3"	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, SPA8H	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