

D-Series Size 1

LED Area Luminaire











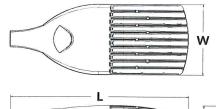
Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33"

Width: 13"
(33.0 cm)

Height: 7-1/2" (19.0 cm)

Weight 27 lbs (max): (12.2 kg)

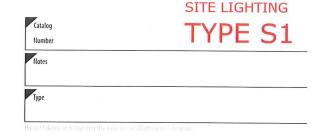






DSX1LED

Ordering Information



4 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

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

- 1. 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

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA DDBXD

Series	LEDs			Color ten	perature	Distrib	ution			Voltage	Mounting	
DSX1 LED .	P1 P2 P3	P4 P5 P6 Pd optics P121 P131	P7 P8 P9	30K 40K 50K AMBPC	3000 K 4000 K 5000 K Amber phosphor converted ²	T1S T2S T2M T3S T3M T4M	Type II short Type II short Type II medium Type III short Type III medium Type IV medium Type IV medium Forward throw medium	T5S T5M T5W BLC LCCO	Type V short Type V medium Type V wide Backlight control ^{2,3} Left corner cutoff ^{2,3} Right corner cutoff ^{2,3}	MVOLT 4.5 120 6 208 5.6 240 5.6 277 6 347 5.6.7 480 5.6.7	Shipped includes SPA RPA WBA SPUMBA RPUMBA Shipped separ	Square pole mounting Round pole mounting Wall bracket Square pole universal mounting adaptor ^a Round pole universal mounting adaptor ^s

Control options			Other	options	Finish (requ	sired)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹⁷ PER NEMA twist-lock receptacle only (controls ordered separate) ¹¹ PER5 Five-wire receptacle only (controls ordered separate) ^{11,12} PER7 Seven-wire receptacle only (controls ordered separate) ^{11,12} DMG 0-10V dimming extend out back of honsing for external control (leads exit fixture) DS Dual switching ^{13,14} PIR Bi-level, motion/ambient sensor, 8-15'mounting height, ambient sensor enabled at 5fc ^{5,15,16} PIRH Bi-level, motion/ambient sensor, 15-30'mounting height, ambient sensor enabled at 5fc ^{5,15,16} PIRHN Network, Bi-Level motion/ambient sensor ¹⁷ PIR1FC3V Bi-level, motion/ambient sensor, 8-15'mounting height, ambient sensor enabled at 1fc ^{5,15,16}	BL30 BL50 PNMTDD3 PNMT5D3 PNMT6D3 PNMT7D3 FAO	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc 345.6 Bi-level switched dimming, 30% 5.14.18 Bi-level switched dimming, 50% 5.14.18 Part night, dim till dawn 5.19 Part night, dim 5 hrs 5.19 Part night, dim 6 hrs 5.19 Part night, dim 6 hrs 5.19 Part night, dim 7 hrs 5.19 Field adjustable output ²⁰	HS SF DF L90 R90	Ped installed House-side shield [1] Single fuse (120, 277, 347V) 6 Double fuse (208, 240, 480V) 6 Left rotated optics 1 Right rotated optics 1 Ped separately Bird spikes ²² External glare shield 12	DDBXD DBLXD DNAXD DWHXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD	Dark bronze Black Natural aluminum White Textured dark bronze Textured black Textured natural aluminum Textured white



Ordering Information

Accessories

Ordered and shipped separately.

Photocell - SSL twist-lock (120-277V) 23 DLL127F 1.5 JU DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) 23 DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) 23 DSHORT SBK U Shorting cap 23 DSX1HS 30C U House-side shield for 30 LED unit²¹ House-side shield for 40 LED unit²¹ DSX1HS 40C U House-side shield for 60 LED unit²¹ DSX1HS 60C U

Square and round pole universal mounting bracket (specify finish)²⁴ Mast arm mounting bracket adaptor (specify finish) 8 KMA8 DDBXD U

For more control options, visit DTL and ROAM online.

PUMBA DDBXD U*

NOTES

- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together AMBPC is not available with BLC, LCCO, RCCO or P4, P7, P8, P9 or P13.

- AND EAST OF THE AVAILABLE WITH ELLY, ECCO, INCOOR 14, 17, 16, 17 of 17 o

- 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).
- 11 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- 12 if ROAM* node required, it must be ordered and shipped as a separate line item from Acuty Brands Controls. Not available with DCR. Node with integral dimming. Shorting cap included. 13 Provides 50/50fixture operation via (2) independent drivers. Not available with PER, PERS, PER7, PIR or PIRH. Not available P1, P2, P3 or P4.

- 14 Requires (2) separately switched circuits.
 15 Reference Motion Sensor table on page 3.

- 13 Neterieties Motion Jesison state of in page 3.

 16 Reference PER table on page 3 to see functionality.

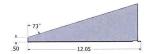
 17 Must be ordered with NITAIR2. For more information on nLight Air 2 visit this link.

 18 Not available with 347V, 480V, PNMT, DS. For PERS or PER7, see PER Table on page 3. Requires isolated neutral.

 19 Not available with 347V, 480V, DS, BL30, BL50. For PER5 or PER7, see PER Table on page 3. Separate Dusk to Dawn required.
- 20 Not available with other dimming controls options
 21 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory, see Accessories information.
- 22 Must be ordered with fixture for factory pre-drilling.
 23 Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- 24 For retrofit use only.

External Glare Shield

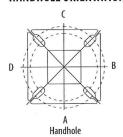


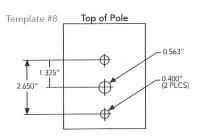




Drilling

HANDHOLE ORIENTATION





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

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, [

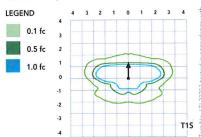
Pole top or tenon O.D.	4.5" @ 90°	4"@90°	3.5"@90°	3"@90°	4.5" @ 120°	4"@120°	3.5" @ 120°	3"@120°
DSX SPA	Υ	Υ	Y	N	-		-	2
DSX RPA	Υ	. ү	N	N	Υ	Υ	γ	- Y
DSX SPUMBA	Υ	N	N	N	-	•	+	2
DSX RPUMBA	N	N	N	N	Y	Υ	Υ	N
					*3 fixtur	es @120 requi	re round pole top	/tenon.

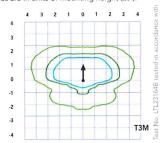
Photometric Diagrams

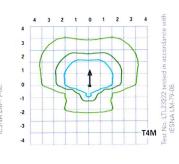
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

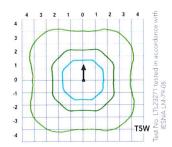
Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

ESNA LM-79-08.











Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40 $^{\circ}\text{C}$ (32-104 $^{\circ}\text{F}$).

Am	bient	Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°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

	Package P1 3 P2 3 P3 3 P4 3 P4 3 P5 3 P6 4 P7 4 P8 66 P9 66 P10 66 ted Optics puires L90 rr R90) P12 66						Curre	ent (A)		
		LED Count	Drive Current	Wattage	120	208	240	277	347	480
	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	Р3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
Forward Optics (Non-Rotated)	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
Rotated Optics	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
or R90)	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

		Motion Sensor De	fault Settings			
Option	Dimmed State	High Level (when triggered)	Phototcell 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

Photocontrol Only (On/Off) ROAM ROAM With Motion (ROAM on/off only) Future-proof*	PER Table					
Control		PE	R5 (5 wire)		PER7 (7 wi	re)
Control	(3 wire)		Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	V	A	Wired to dimming leads on driver	A	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	0	V	Wired to dimming leads on driver	A	Wired to dimming leads on driver	Wires Capped inside fixture
	0	A	Wires Capped inside fixture	A	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	0	A	Wired to dimming leads on driver	V	Wired to dimming leads on driver	Wires Capped inside fixture
Future-proof* with Motion	0	A	Wires Capped inside fixture	V	Wires Capped inside fixture	Wires Capped inside fixture



*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.

ward 0	ptics						011					4011					OV.					AMBPC								
Count	Drive	Power Package	System Watts	Dist.		3000 (3	10K K, 70 ((RI)				40K K, 70 (RI)			(5000					nber Ph		onverted	_						
	Current	ratkaye	Walts	Туре	Lumens	В	U	G	LPW	Lumens	В		G	LPW	Lumens	В	0	2	130	Lumens 3,640	B 1	0	1	LF 7						
				T1S T2S	6,457 6,450	2	0	2	120 119	6,956 6,949	2	0	2	129 129	7,044 7,037	2	0	2	130	3,813	1	0	1	7						
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131	3,689	1	0	1	7						
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127	3,770	1	0	1	7						
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131	3,752	1	0	1	7						
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128	3,758	- 1	0	1	7						
	530	D.	5444	TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131	3,701	1	0	1	7						
30	530	P1	54W	TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136	3,928	2	0	0	1						
				TSS	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136	3,881	2	0	0	10						
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136	3,930	2	0	1							
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135	3,820	3	0	1							
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107											
				LCC0	3,943	1	0	2	73	4,248	-1	0	2	79	4,302	1	0	2	80											
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	120	4 561	1	0	1							
				TIS	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129	4,561	1	0	1							
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128 129	4,777 4,622	1	0	2							
				T2M	8,283	2	0	2	118 115	8,923 8,641	2	0	2	127 123	9,036 8,751	2	0	2	125	4,724	1	0	1							
				T3S T3M	8,021	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129	4,701	1	0	2							
				T4M	8,263 8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126	4,709	1	0	2							
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129	4,638	1	0	2							
30	700	P2	70W	TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134	4,922	2	0	0							
				TSS	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134	4,863	2	0	0							
				TSM	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134	4,924	3	0	1							
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133	4,787	3	0	1							
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106											
				LCC0	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79											
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79											
				T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125					-						
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125			-								
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125					-						
			3 107W	T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121			1	1							
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125											
		P3		T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122					+						
30	1050		Р3	D P3	1050 P3	1050 P3	1050 P3	Р3	102W	TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125 130		-	125	1	H
								TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130					t		
								TSS	12,150	3	0	1	119 119	13,089 13,056	3	0	1 2	128 128	13,254 13,221	4	0	2	130		18.7			H		
					T5M T5W	12,119	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129			TEX.	No.	+					
				BLC	12,040 9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102					T						
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76			100	1							
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76		100	1.64E		T						
				TIS	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117											
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117											
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118											
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114											
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117											
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115											
30	1250	P4	125W	TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117											
30	1230	F4	12344	TSVS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122		-									
				TSS	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122											
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122											
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121		-									
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96			-								
				LCC0	8,205	1	0	3	66	8,839	1	0	3	71 71	8,951	1	0	. 3	72 72				+							
				RCCO	8,205	1	0	3	106	8,839	1	0	3	115	8,951 16,014	3	0	3	116					t						
				T1S T2S	14,679	3	0	3	106 106	15,814 15,797	3	0	3	114	15,997	3	0	3	116		1			t						
				T2M	14,664 14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117					T						
				T3S	14,739	3	0	3	107	15,377	3	0	3	111	15,572	3	0	3	113					T						
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116		1									
				T4M	14,784	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114											
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116											
30	1400	P5	138W	TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121		1 1									
				TSS	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121	2										
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121											
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120											
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95					1						
				Date														3	71											



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

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 (1.01 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 standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly product, meaning it is consistent with the LEED and Green Globes are 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 hours 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 1 to withstand up to a 3.0 G wibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also 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. D672,492 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 https://doi.org/10.1006/j.com/premium qualified products List at https://doi.org/10.1006/j.com/premium 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. Complete warranty terms located at:

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.



SLIM18





12, 18 and 26 Watt SLIM wallpacks are ultra efficient and deliver impressive light distribution with a compact low-profile design that's super easy to install as a downlight or uplight.

Color: Bronze

Weight: 4.5 lbs

Project:	Type: SITE LIGHTING
	TYPE S3
Prepared By:	Date:

Driver Info		LED Info	
Type:	Constant Current	Watts:	18W
120V:	0.18A	Color Temp:	5100K
208V:	0.11A	Color Accuracy:	71 CRI
240V:	0.09A	L70 Lifespan:	100000
277V:	0.08A	Lumens:	2560
Input Watts:	21W	Efficacy:	121 LPW
Efficiency:	85%		

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities.

DLC Product Code: PSPVC3C7

ADA Compliant:

SLIM™ is ADA Compliant

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures

Housing:

Precision die-cast aluminum housing

Mounting:

Heavy-duty mounting bracket with hinged housing for easy installation

Recommended Mounting Height:

Up to 14 ft

Lens:

Tempered glass lens

Reflector:

Specular thermoplastic

Gaskets:

High-temperature silicone

Finish:

Formulated for high-durability and long lasting color

Green Technology:

Mercury and UV-free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOCs or toxic heavy metals.

LED Characteristics

LED:

Multi-chip, long-life LED

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines for the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Electrical

Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz., 4KV surge protection, 120V: 0.19A, 208V: 0.11A, 240V: 0.10A, 277V: 0.08A

Other

Patents:

The design of the SLIM™ is protected by patents in U.S. Pat D681,864, and pending patents in Canada, China, Taiwan and Mexico.

HID Replacement Range:

Replaces 100W Metal Halide

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B1 U0 G0

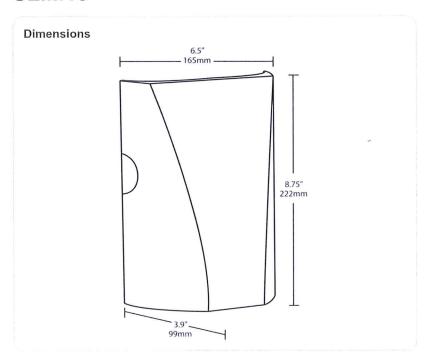
Need help? Tech help line: (888) RAB-1000 Email: sales@rabweb.com Website: www.rabweb.com
Copyright © 2018 RAB Lighting Inc. All Rights Reserved Note: Specifications are subject to change at any time without notice

Page 1 of 2

Features

SLIM18



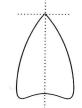


Full cutoff, fully shielded LED wallpack Can be used as a downlight or uplight Contractor friendly features for easy installation 100,000-hour LED Life 5-Year, No-Compromise Warranty

Family	Wattage	Color Temp	Finish	Driver	Options
SLIM	18				
	26 = 26W	Blank = 5000K (Cool)	Blank = Bronze	Blank = Standard (120-277V)	Blank = No Option
	18 = 18W	N = 4000K (Neutral)	W = White	/D10 = Dimmable	/PC = 120V Button /PC2 = 277V Button







Gotham Architectural Downlighting LED Downlights



4" Evo® Downlight

C.E.C. TITLE 20





Solid-State Lighting

OPTICAL SYSTEM

- Self-flanged or flangeless semi-specular, matte-diffuse or specular finishing trim
- Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
- 45° cutoff to source and source image
- Top-down flash characteristic
- Polycarbonate lens integral to light engine

MECHANICAL SYSTEM

- 16-gauge galvanized steel construction; maximum 1-1/2" ceiling thickness
- Telescopic mounting bars maximum of 32" and minimum of 15", preinstalled, 4" vertical adjustment
- Toolless adjustments post installation
- Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C
- Light engine and driver accessible through aperture
- Injection molded mud ring included with flangeless trims. Ships separately. Installs independently of the mounting frame to reduce cracks in plaster due to vibration.

ELECTRICAL SYSTEM

- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- Tested according to LM-79 and LM-80 standards
- Overload and short circuit protected
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional

LISTINGS

 Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling ENERGY STAR® certified product.

WARRANTY

 5-year limited warranty. Complete warranty terms located at: <u>www.acuitybrands.com/CustomerResources/Terms and conditions.</u> <u>aspx</u>

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.

	WATTAGE CO	NSUMPTION MA	TRIX
LUMENS	LM ACTUAL	WATTAGE	LUMENS per WATT
750	849	10.3	82.4
1000	1,189	12.8	92.9
1500	1,509	17.3	87.2
2000	2,109	23.5	89.6
2500	2,576	28.9	89.1
3000	3,112	36.9	84.3

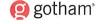
4 Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight* control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight* control networks, providing advanced control
 functionality at the luminaire level, when selection includes driver and control options marked by a shaded
 background*

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

*See ordering tree for details



A+ Capable options indicated by this color background.

EXAMPLE: EVO 35/10 4AR MWD LSS MVOLT EZ1

Series	Color	temperature	Nom	inal lumen values	Aperture	/Trim color	Trim St	yle	Distri	bution	Finis	sh	Voltage
EVO	27/ 30/ 35/ <mark>40/</mark> 50/	2700 K 3000 K 3500 K 4000 K 5000 K	07 10 15 20 25 30	750 lumens 1000 lumens 1500 lumens 2000 lumens 2500 lumens 3000 lumens	4AR 4PR 4WTR 4GR 4WR ¹ 4BR ¹ 4WRAMF ¹	Clear Pewter Wheat Gold White Black White anti- microbial	(blank) FL	Self-flanged Flangeless	MD MWD WD	Medium (0.9 s/mh) Medium wide (1.0 s/mh) Wide (1.2 s/ mh)	LSS LD LS	Semi-specular Matte-diffuse Specular	MVOLT 120 277 347 ²

er ³	Options			
0-10V driver dims to 10% 0-10V driver dims to 1% eldoLED 0-10V ECOdrive. Linear dimming to 10% min. eldoLED 0-10V ECOdrive. Linear dimming to 1% min. eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. eldoLED SOLOdrive DALI. Logarithmic dimming to <1%. eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to DMXR Manual. XPoint Wireless, eldoLED 0-10V ECOdrive. Linear dimming to 1 Refer to XPoint tech sheet. XPoint Wireless, eldoLED 0-10V SOLOdrive. Logarithmic dimm to <1%. Refer to XPoint tech sheet. Lutron® Hi-Lume® 2-wire forward-phase driver. Minimum dimming level 1%. Minimum lumen 1000/Maximum lumen 3000. 120V only. Lutron® Hi-Lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%. Minimum lumen 1000/Maximum lumen 4500.	NPP16DER ⁹	Single fuse. Specify 120V or 277V. White painted flange Black painted flange Emergency battery pack with integral test switch, CEC compliant Emergency battery pack with remote test switch, CEC compliant nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit. nLight® dimming pack controls 0-10V eldoLED drivers (EZ_). nLight® dimming pack controls 0-10V eldoLED drivers (EZ_). ER controls fixtures on emergency circuit. nLight® Lumen Compensation	BGTD CR190 CP'' RRL	Bodine generator transfer device. Specify 120V or 277V. High CRI (90+). Specify 120V or 277V. Chicago plenum RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature.

ACCESSORIES order as separate catalog numbers (shipped separately)

SCA4

ACCESSORIES

NOTES

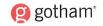
Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. Refer to TECH-190.

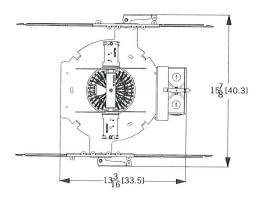
CTA4-8 YK ISD BC Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5"). Adds ~4" to fixture height.

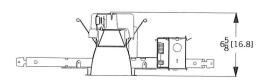
0-10V wallbox dimmer. Refer to ISD-BC.

ORDERING NOTES

- 1. Not available with finishes.
- Not available with EL or ELR options.
- 3. Refer to TECH-240 for compatible dimmers.
- 4. Not available with nLight® and XPoint options.
- Specify voltage 120V or 277V.
- 6. Not available with white reflector. Not applicable with FL option.
- Not available with black reflector. Not applicable with FL option.
- For dimensional changes, refer to <u>TECH-140</u>. Access above ceiling required. Not available with 347V.
- Specify voltage. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZER
- 11. ELR not available. CP, ECOS2/ECOS3 with EL-2000 lumen max.





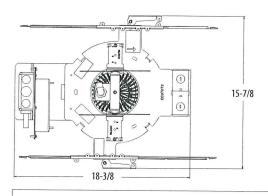


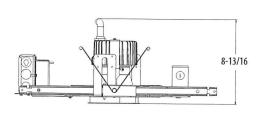
Aperture: 4-5/16" (11)

Ceiling Opening: 5-1/8" (13) self-flanged 5-1/4" (13.3) flangeless

Overlap trim: 5-7/16" (13.8)

DIMENSIONS FOR CHICAGO PLENUM





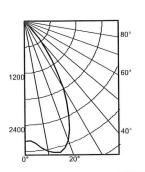
E	EMERGENCY LUMEN OUTPUT									
LUMENS	WATTAGE	INITIAL OUTPUT								
750	9.6	1000								
1000	9.6	1000								
1500	9.6	1000								
2000	9.6	1000								
2500	9.6	1000								
3000	9.6	1000								



Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance: Single Luminaire 30" Above Floor

EVO 35/30 4AR LS

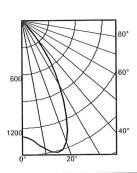
INPUT WATTS: 36.9, DELIVERED LUMENS: 3112, LM/W=84.3 , 1.07 S/MH, TEST NO. LTL27791



						pc		80%			70%			50%	
	Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	2763		0° - 30°	2236.6	71.9	0	119	119	119	116	116	116	111	111	111
5	2824	278	0° - 40°	2930.3	94.2	1	111	108	106	109	106	104	105	103	101
15	3133	869	0° - 60°	3106.1	99.8	2	103	99	96	101	98	95	98	95	93
25	2417	1090	0° - 90°	3111.9	100.0	3	96	91	87	95	90	87	92	88	85
35	1117	694	90° - 120°	0.0	0.0	4	90	84	80	89	84	80	87	82	79
45	186	168	90° - 130°	0.0	0.0	5	84	78	74	83	78	74	81	77	73
55	6	8	90° - 150°	0.0	0.0	6	79	73	69	78	72	68	77	72	68
65	2	2	90° - 180°	0.0	0.0	7	74	68	64	73	68	64	72	67	63
75	3	2	0° - 180°	3111.9	*100.0	8	70	64	60	69	63	59	68	63	59
85	2	2		Efficiency		9	66	60	56	65	60	56	64	59	55
90	0					10	62	56	52	62	56	52	61	56	52

EVO 35/15 4AR LS

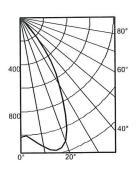
INPUT WATTS: 17.3, DELIVERED LUMENS: 1509, LM/W=87.2, 1.08 S/MH, TEST NO. LTL27786



						pr				20	70				
						pc		80%			70%			50%	
	Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1290		0° - 30°	1081.0	71.6	0	119	119	119	116	116	116	111	111	111
5	1338	132	0° - 40°	1419.3	94.0	1	111	108	106	109	106	104	105	103	101
15	1521	423	0° - 60°	1507.8	99.9	2	103	99	96	101	98	95	98	95	93
25	1167	527	0° - 90°	1509.3	100.0	3	96	91	87	95	90	87	92	88	85
35	546	338	90° - 180°	0.0	0.0	4	90	84	80	89	84	80	87	82	79
45	92	85	0° - 180°	1509.3	*100.0	5	84	78	74	83	78	74	81	77	73
55	2	4		Efficiency		6	79	73	69	78	72	68	76	72	68
65	1	1		,		7	74	68	64	73	68	64	72	67	63
75	0	0				8	70	64	59	69	63	59	68	63	59
85	0	0				9	66	60	56	65	59	56	64	59	55
90	0					10	62	56	52	61	56	52	61	56	52

EVO 35/10 4AR LS

INPUT WATTS: 12.8, DELIVERED LUMENS: 1189, LM/W=92.9, 1.08 S/MH, TEST NO. LTL27785



						pf		000/		20	% 70%			50%	
						pc		80%							
	Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1012		0° - 30°	838.3	70.5	0	119	119	119	116	116	116	111	111	
5	1035	102	0° - 40°	1114.0	93.7	1	111	108	106	109	106	104	105	-	
15	1169	325	0° - 60°	1188.4	99.9	2	103	99	96	101	98	95	98	95	92
25	910	411	0° - 90°	1189.3	100.0	3	96	91	87	95	90	86	92	88	85
35	449	276	90° - 180°	0.0	0.0	4	90	84	80	88	83	79	86	82	78
45	80	71	0° - 180°	1189.3	*100.0	5	84	78	74	83	77	73	81	76	73
55	2	3	*	Efficiency		6	78	72	68	78	72	68	76	71	67
65	2	1				7	74	68	63	73	67	63	72	67	63
75	0	0				8	69	63	59	69	63	59	68	62	59
85	0	0				9	65	59	55	65	59	55	64	59	55
90	0					10	61	56	52	61	55	52	60	55	51

LUMEN OUTPUT MULTIPLIER - CRI						
CRI	FACTOR					
80 CRI	1					
90 CRI	0.79					

LUMEN OUTPUT M	ULTIPLIER - CCT
CRI	FACTOR
5000 K	1.101
4000 K	1.035
3500 K	1
3000 K	0.973
2700 K	0.938

	LUMEN	OUTPUT MU	LTIPLIER - T	RIM FINISH		
FINISH	CLEAR (AR)	PEWTER (PR)	WHEAT (WTR)	GOLD (GR)	WHITE (WR/WRAMF)	BLACK (BR)
Specular (LS)	1.00	0.88	0.83	0.95	N/A	N/A
Semi-specular (LSS)	0.95	0.84	0.79	0.90	N/A	N/A
Matte-diffuse (LD)	0.85	0.73	0.69	0.80	N/A	N/A
Paint	N/A	N/A	N/A	N/A	0.87	0.73

PHOTOMETRY NOTES

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 85 typical.

Choose Wall Controls.

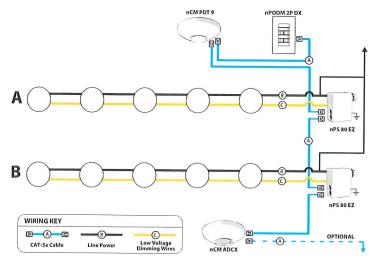
nLIGHT o⊠ers multiple styles of wall controls – each with varying features and user experience.



Push-Button WallPod Traditional tactile buttons and LED user feedback



Graphic WallPod Full color touch screen provides a sophisticated look and feel



EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

nPS 80 EZ Dimming/Control Pack (qty 2 required) nPODM 2P DX Dual On/Off/Dim Push-Button WallPod nCM ADCX Daylight Sensor with Automatic Dimming Control nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.

nLight® Control Accessories:

Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight® controls.

15', CAT5 15FT

WallPod stations	Model number
On/Off	nPODM [color]
On/Off & Raise/Lower	nPODM DX [cold
Graphic Touchscreen	nPOD GFX [colo
Photocell controls	Model number
Dimming	nCM ADCY

DX [color] GFX [color] number nCM ADCX

Occupancy sensors Small motion 360°, ceiling (PIR / dual tech) Large motion 360°, ceiling (PIR / dual tech) Wide view (PIR / dual tech) Wall Switch w/ Raise/Lower (PIR / dual tech) Cat-5 cables (plenum rated) 10', CAT5 10FT

Model number nCM 9 / nCM PDT 9 nCM 10 / nCM PDT 10 nWV 16 / nWV PDT 16 nWSX LV DX / nWSX PDT LV DX Model number CAT5 10FT 11

CAT5 15FT J1





City of Madison Fire Department

314 W Dayton Street, Madison, WI 53703-2506 Phone: 608-266-4420 • Fax: 608-267-1100 • E-mail: fire@cityofmadison.com

Project Address:	241 - 245 Junction Road
Contact Name & Phone #:	James Worker 608.664.3552

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

 Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system? If non-sprinklered, fire lanes extend to within 150-feet of all portions of the exterior wall? If sprinklered, fire lanes are within 250-feet of all portions of the exterior wall? 	X Yes X Yes X Yes	No No No	☐ N/A ☐ N/A ☐ N/A
 2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs? a) Is the fire lane a minimum unobstructed width of at least 20-feet? b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet? c) Is the minimum inside turning radius of the fire lane at least 28-feet? d) Is the grade of the fire lane not more than a slope of 8%? e) Is the fire lane posted as fire lane? (Provide detail of signage.) f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.) g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.) 	☐ Yes X Yes Yes Yes Yes Yes Yes Yes Yes	No No No No No No No No	N/A
3. Is the fire lane obstructed by security gates or barricades? If yes:a) Is the gate a minimum of 20-feet clear opening?b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	Yes Yes Yes	№ No№ No№ No	□ N/A X N/A X N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet? If yes, does the area for turning around fire apparatus comply with IFC D103?	Yes Yes	X No No	□ N/A X N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6 If yes, see IFC 3206.6 for further requirements.	Yes	X No	□ N/A
6. Is any part of the building greater than 30-feet above the grade plane? If yes, answer the following questions:	Yes	X No	□ N/A
 a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter? b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building? c) Are there any overhead power or utility lines located across the aerial apparatus fire lane? d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species) e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet? f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights? 	 Yes Yes Yes Yes Yes Yes 	NoNoNoNoNoNoNoNo	N/A N/A N/A N/A N/A N/A N/A N/A

Attach an additional sheet if further explanation is required for any answers.

This worksheet is based on MGO 34.503 and IFC 2015 Edition Chapter 5 and Appendix D; please see the codes for further information.