



DLR Group

Architecture

Planning

Interiors

CAMAS PBL HIGH SCHOOL CAMAS SCHOOL DISTRICT Camas, Washington

Design Review Lighting Specifications
DLR Group Project No. 73-16130-00

January 17, 2017

Contents:

1. Type SA, SA2, SC
2. Type SB
3. Type SD
4. Type SG
5. Type SH CAMAS STD
6. Type DN



d#series

D-Series Size 1 LED Area Luminaire



TYPES SA, SA2, SC

Catalog
Number

Notes

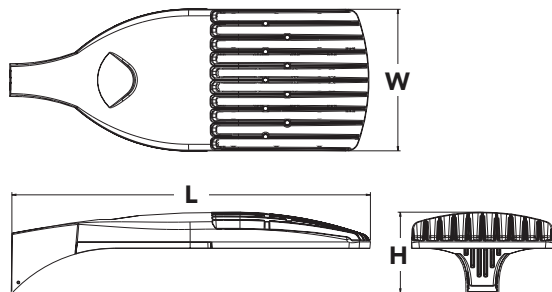
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Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills 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. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

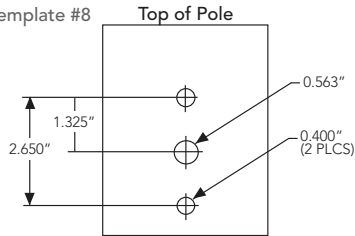


Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2 kg)

Drilling

Template #8



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90°*
DM28AS	2 at 180°	DM39AS	3 at 90°*
DM49AS	4 at 90°*	DM32AS	3 at 120°**

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's [POLES CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**For round pole mounting (RPA) only.

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit [Lithonia](#)

Performance Data

Lumen Output

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

Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689				

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				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	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74
			T2M	7,920	2	0	2	116	8,504	2	0	2	125										

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				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,51														

Performance Data

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L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
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			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655																			



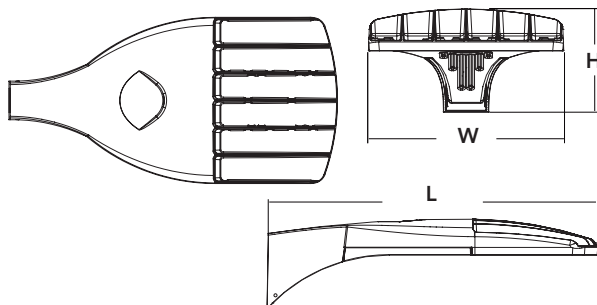
D-Series Size 0 LED Area Luminaire



d#series

Specifications

EPA:	0.95 ft ² (.09 m ²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



Catalog
Number

Notes

Type

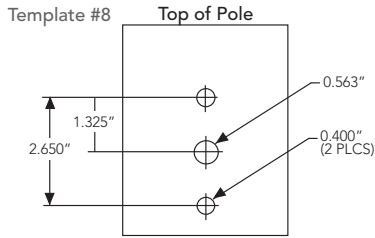
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The D-Series distills the benefits of the

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Performance Data

Lumen Output

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Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	530 mA	35 W	T1S	4,079	1	0	1	117	4,380	1	0	1	125	4,408	1	0	1	126	2,541	1	0	1	73
			T2S	4,206	1	0	1	120	4,516	1	0	1	129	4,544	1	0	1	130	2,58				

Performance Data

Lumen Output

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LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	68 W	T1S	7,926	2	0	2	117	8,511	2	0	2	125	8,564	2	0	2	126	4,878	1	0	1	72
			T2S	8,172																			

Performance Data

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	6,130	2	0	2	118	6,583	2	0	2	127	6,624	2	0	2	127	3,841	2	0	2	74
			T2S	6,321	2	0	2	122	6,787	2	0	2	131	6,830	3	0	3	1					

Wall luminaires with cutoff optics

Housing: Constructed of copper free die-cast aluminum alloy. The housing uses stainless steel inserts for enclosure attachment. Mounts over a standard 3½" or 4" octagonal wiring box. Die castings are marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy.

Enclosure: Tempered, matte glass lens. One piece die-cast, copper free, louvered, aluminum face plate secured to the housing with four captive socket head, stainless steel screws. Semi specular, anodized aluminum internal reflector. Fully gasketed for water tight operation using a silicone rubber gasket.

Electrical: 26W LED luminaire, 32 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V dimming. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 3000K with an 85 CRI. Available in 4000K (85 CRI); add suffix K4 to order.

Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Finish: All BEGA standard finishes are polyester powder coat with minimum 3 mil thickness. Available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order

CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP65

Weight: 4.0 lbs.

Luminaire Lumens: 1124



M9410/M9430

Modular In-Grade Luminaire Single Lens LED

LED IP68

**SUITABLE FOR
WET LOCATIONS**

CATALOG
NUMBER

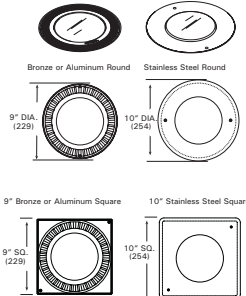
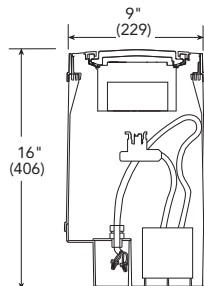
NOTES

TYPE SG

TYPE

Specifications

L:	9"
	229 mm
W:	9"
	229 mm
H:	16"
	407 mm



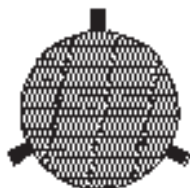
DESCRIPTION

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. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

	Distribution	Nema Type	Beam Angle (50%) H x V	Field Angle (10%) H x V	Watts	LPW	Delivered Lumens
3000K 80CRI	NSP	2 x 2	14.7 x 14.7	28 x 28	14	50	700
	MFL	3 x 3	24.4 x 24.4	44 x 44	14	50	700
	FL	6 x 6	74.5 x 70.8	104.2 x 102.1	14	36	500
	WFL	6 x 6	102.5 x 100.4	129.6 x 129.1	14	43	600
	HSP	3 x 3	21.6 x 21.6	39.9 x 39.9	14	50	700
	HFL	4 x 3	39.3 x 15.7	59.6 x 2			

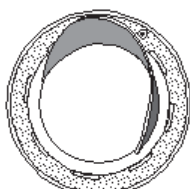
INTERNAL



INTERNAL HONEYCOMB LOUVERS
Hexagonal cell louver with 45° cut-off.

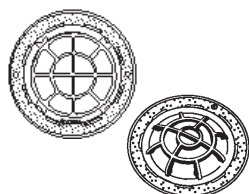
IHL

EXTERNAL



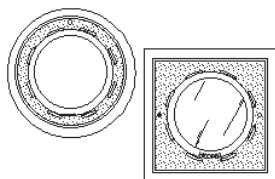
QUARTER GLARE SHIELDS
Rolled sheet aluminum or brass. 360° of adjustment on fixture door, with lock down. May be field installed to door as shown.
(Not recommended for foot traffic areas.)

GS

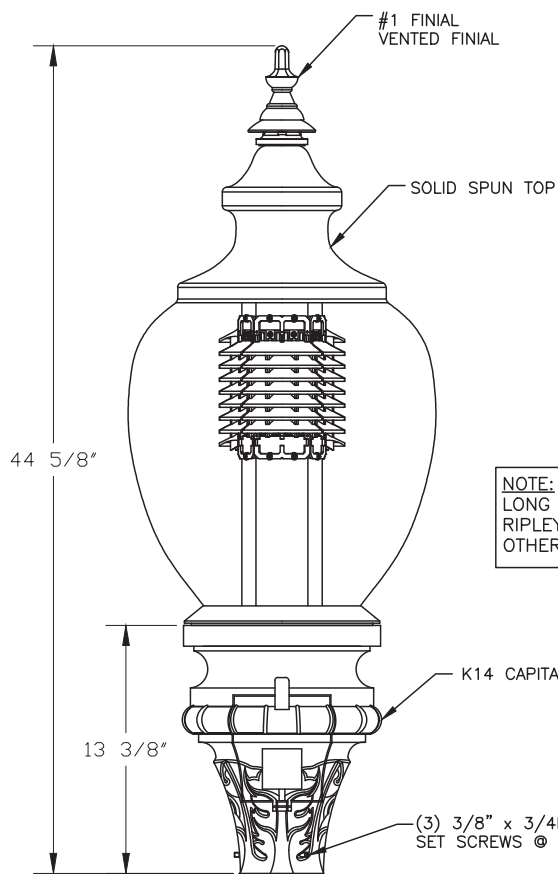


ROCKGUARD (EXTERNAL)
Cast aluminum or cast bronze material.
(Not recommended for foot traffic areas.)

RG



STAINLESS STEEL or BRONZE TRIM RINGS
A decorative



TYPE SH CAMAS STD

NOTE:
LONG LIFE PHOTOCELL
RIPLEY 6390LL-BK BY
OTHERS

TO ACCEPT 3 1/2" O.D.
3 1/2" LONG TENON

REV.	ALTERATION	DATE	BY
A	NOT ADDED	04/19/16	T.B
B	LONG LIFE PHOTOCELL SPECIFIED AS 6390LL-BK BY RIPLEY LIGHTING CONTROLS.	5/3/16	M.Y
C	OPTICS WAS R1AR WITH TYPE III DISTRIBUTION	06/06/16	T.B

LUMINAIRE SPECIFICATIONS

CATALOGUE NO.: K118R-B3AR-IV-60(SSL)
-1036-120:277V-K14-PR7-SST

QUANTITY: K14

POLE ADAPTOR: BAFFLED ARRAY ACRYLIC RIPPLED



Decorative Pole Specifications

PLP Model# Dom-DB-FL-14.5-BL-CI

TYPE SH
CAMAS
STD

Decorative Pole Specifications

PLP Model# Dom-DB-FL-14.5-BL-CI

Fiberglass reinforced composite fluted shaft with decorative 2-piece (clam shell) base of casting urethane.

Direct burial (embedded) style with a 14.5' mounting height and an overall length of 18.5' allowing 4 feet to be buried below grade.

Round tapered fluted shaft.

Tip diameter is 4.5" and ground level diameter is 6.5".

Shaft hand hole is 2.5"x8" above the decorative base.

Hand hole is equipped with a non-conductive cover with vandal resistant 1/4-20 stainless steel screws.

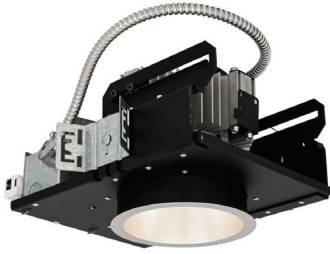
Wire entrance hole of 2"x5" with nylon grommet 2' below grade.

Decorative base for the PLP "Dominion" design is 21" high with a base diameter of 16". The 2-piece "clam shell" design is secured together with stainless steel bolts.

TYPE DN



Luminaire Type:
Catalog Number
(autopopulated):



Gotham Architectural Downlighting
LED Downlights

6" Incito®
Downlight

Solid-State Lighting
(US and International Patents Pending)



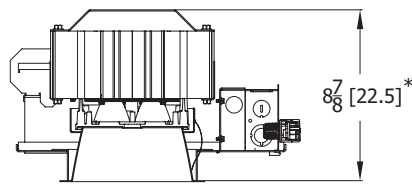
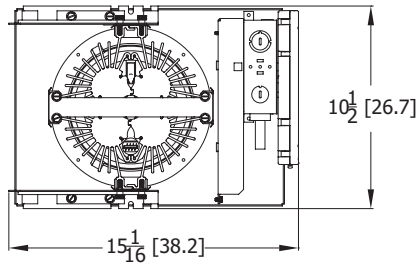
FEATURES

INTENDED USE

- Achieve the lowest installed power density and operating costs while achieving every layer of light via the optimized general illumination distributions from the EVO family, and the high centerbeam accent layers from the highly flexible Incito family. The EVO and Incito families maintain consistent luminous apertures, dimming characteristics, and color quality to ensure the blending of families in common spaces renders an unparalleled, tailored visual experience.

OPTICAL SYSTEM

All dimensions are inches (centimeters) unless otherwise noted.



Incito Round Downlight - Flanged



Incito Round Downlight - Flangeless (FL)

CONSULT WWW.GOTHAMLIGHTING.COM FOR PHOTOMETRY

Choose Wall Controls.

nLIGHT offers 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