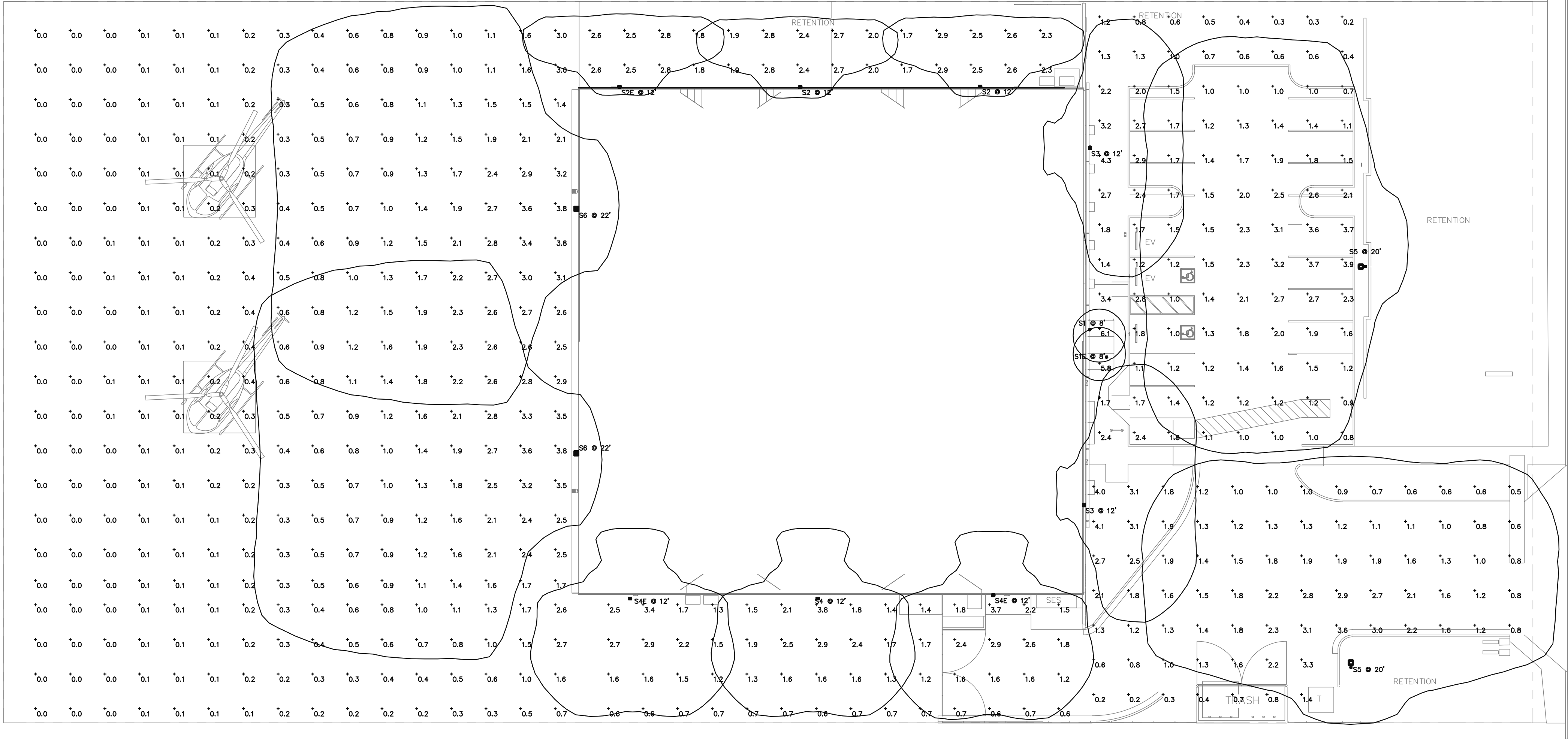


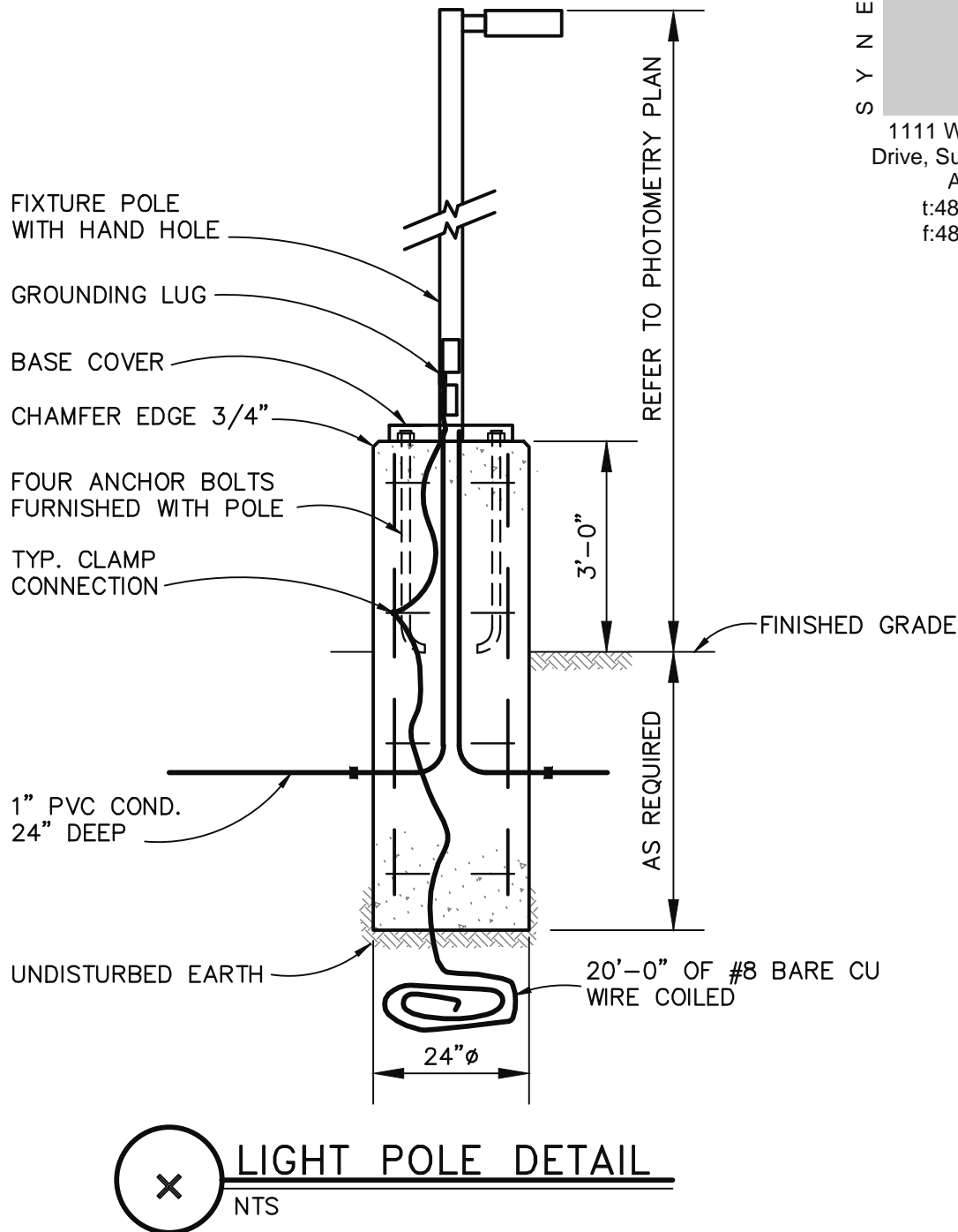
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Schedule						
Symbol	Label	QTY	Manufacturer	Catalog	Description	LF/ Total Output/ Input Power
	S1	1	Lithonia Lighting	LDN4 35/10 L04AR LSS WL	4IN LDN, 3500K, 1000LM, CLEAR, SEMI-SPECULAR REFLECTOR, 80CRI	0.91 1031 10.58
	S1E	1	Lithonia Lighting	LDN4 35/10 L04AR LSS WL 10WATT BATTERY	4IN LDN, 3500K, 1000LM, CLEAR, SEMI-SPECULAR REFLECTOR, 80CRI	0.91 1031 10.58
	S2	2	Lithonia Lighting	WDGE2 LED P2 30K 70CRI TIS	WDGE2 LED WITH P2 ~ PERFORMANCE PACKAGE, 3000K, 70CRI, TYPE 1 SHORT OPTIC	0.91 2075 18.9815
	S2E	1	Lithonia Lighting	WDGE2 LED P2 30K 70CRI TIS E10WH	WDGE2 LED WITH P2 ~ PERFORMANCE PACKAGE, 3000K, 70CRI, TYPE 1 SHORT OPTIC	0.91 2075 18.9815
	S3	1	Lithonia Lighting	WDGE2 LED P4 30K 70CRI T3M	WDGE2 LED WITH P4 ~ PERFORMANCE PACKAGE, 3000K, 70CRI, TYPE 3 MEDIUM OPTIC	0.91 4471 46.6589
	S3E	1	Lithonia Lighting	WDGE2 LED P4 30K 70CRI T3M E10WH	WDGE2 LED WITH P4 ~ PERFORMANCE PACKAGE, 3000K, 70CRI, TYPE 3 MEDIUM OPTIC	0.91 4471 46.6589
	S4	1	Lithonia Lighting	WDGE2 LED P4 30K 70CRI T1FM	WDGE2 LED WITH P4 ~ PERFORMANCE PACKAGE, 3000K, 70CRI, TYPE FORWARD THROW MEDIUM OPTIC	0.91 4402 46.6589
	S4E	2	Lithonia Lighting	WDGE2 LED P4 30K 70CRI T1FM E10WH	WDGE2 LED WITH P4 ~ PERFORMANCE PACKAGE, 3000K, 70CRI, TYPE FORWARD THROW MEDIUM OPTIC	0.91 4402 46.6589
	S5	2	Lithonia Lighting	DSX1 LED P5 30K 70CRI T4M HS / SSS	DSX1 LED P5 30K 70CRI T4M HS / SSS Type 4 Medium HouseSide Shield	0.91 14769 138.1649
	S6	2	Lithonia Lighting	DSX1 LED P5 30K 70CRI T1FM M8A	DSX1 LED P5 30K 70CRI T1FM M8A Type 4 Medium HouseSide Shield	0.91 17288 138.16

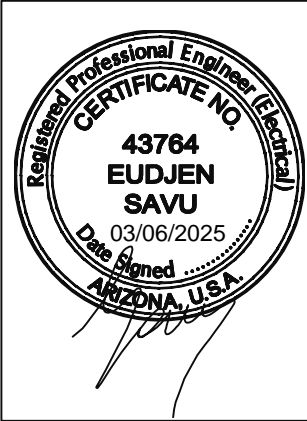
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WTT FC AVG		1.1	5.4	0.0	N/A	N/A

E. FALCON DRIVE



Van Horn Aviation  
Lot 35C Hangar

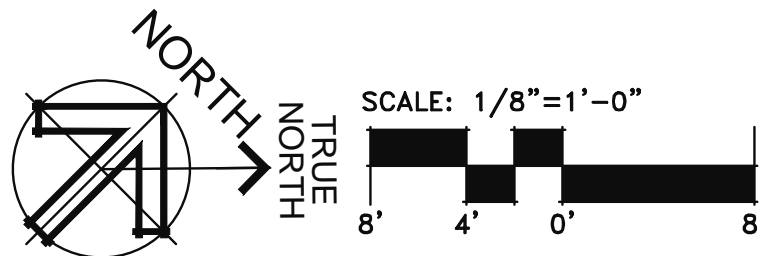
4958 E. FALCON DRIVE  
MESA, AZ 85215



REVISIONS

Phase: Project  
Status:  
Drawn By:  
Reviewed By:  
SDI Project No: 4433  
Date: 01/22/2025  
Sheet:

1 ELECTRICAL PHOTOMETRY PLAN  
SCALE: 1"=20'-0"



**AZPE**  
ARIZONA PINNACLE  
ENGINEERING  
2222 W. Pinnacle Peak Road, Suite 290  
(623) 594-9049 Project: 24213

ES101



TYPES 'S5' & 'S6'

# D-Series Size 1 LED Area Luminaire

Use the following to measure the page to use all information elements.

d'series

## Specifications

<b>EPA:</b>	0.69 ft <sup>2</sup> (0.06 m <sup>2</sup> )
<b>Length:</b>	32.71" (831 mm)
<b>Width:</b>	14.26" (362 mm)
<b>Height H1:</b>	7.88" (200 mm)
<b>Height H2:</b>	2.73" (69 mm)
<b>Weight:</b>	34 lbs (15 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 LED technology into a high performance, high efficacy, long-life luminaire.

The 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 65% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE:** DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRNH DOBX2

DSX1 LED							
Series	LEDs	Color Temperature <sup>1</sup>	Color Rendering Index <sup>2</sup>	Distribution		Volt-age	Mounting
DSX1 LED	<b>Forward optics</b>	(this section 70CRI only)		AFR	Automotive frost row	TSM	Type V medium
	P1 P6	30K 3000K	70CRI	T1S	Type I short	TSLG	Type V low glare
	P2 P7	40K 4000K	70CRI	T2M	Type II medium	T3W	Type V wide glare
	P3 P8	50K 5000K	70CRI	T3M	Type III medium	BLC3	Type III backlight control <sup>3</sup>
	P4 P9	(this section 80CRI only, extended lead times apply)		T3LG	Type III low glare <sup>4</sup>	BLC4	Type IV backlight control <sup>3</sup>
	P5			T4M	Type IV medium	LECO	Left corner cutoff <sup>5</sup>
	<b>Rotated optics</b>			T4LG	Type IV low glare <sup>4</sup>	RCCO	Right corner cutoff <sup>5</sup>
	P10 <sup>1</sup> P12 <sup>1</sup>	27K 2700K	80CRI	TTFM	Forward throw medium		
	P11 <sup>1</sup> P13 <sup>1</sup>	30K 3000K	80CRI				
		35K 3500K	80CRI				
		40K 4000K	80CRI				
		50K 5000K	80CRI				
						MVOLT	(120V-277V) <sup>6</sup>
						PHVOLT	(347V-480V) <sup>10</sup>
						TYVOLT	(277V-480V) <sup>10</sup>
						100 <sup>10</sup>	
						208 <sup>10</sup>	
						240 <sup>10</sup>	
						277 <sup>10</sup>	
						347 <sup>10</sup>	
						480 <sup>10</sup>	
							<b>Shipped included</b>
							SFA Square pole mounting (R8 drilling)
							RFA Round pole mounting (R8 drilling)
							SRFS Round pole mounting #5 drilling
							BRFS Round pole mounting #5 drilling
							SRMN Square narrow pole mounting R8 drilling
							WBA Wall bracket <sup>10</sup>
							MA Max arm adapter (mounts on 2.38" OD horizontal torso)

Control options		Other options		Finish options	
<b>Shipped installed</b>		<b>Shipped installed</b>			
NLTAIR PIRNH		PER7	Seven pin receptacle only (controls ordered separately) <sup>10,11</sup>	DOBKD	Dark Bronze
		FAO	Field adjustable output <sup>10,11</sup>	DBLKD	Black
		BL30	Bi-level switched dimming 30% <sup>10,11</sup>	OWDKD	Outdoor Aluminum
		BL50	Bi-level switched dimming 50% <sup>10,11</sup>	OWDKD	White
PIR		DMG	0-10v dimming (for use with an external fixture, for use with an external control, ordered separately) <sup>10</sup>	OTBKD	Textured dark bronze
				OTBKD	Textured black

TYPES 'S2', 'S2E', 'S3', 'S3E', 'S4', 'S4E'

# WDGE2 LED

## Architectural Wall Scene Visual Comfort Optic

Catalog  
Number

Notes

Type

For the full key tag information please go to [www.aaculbtrans.com/designselect](#).

### Introduction

The WDGE2 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accessible shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AF wireless controls, the WDGE2 family provides additional energy savings and code compliance.

WDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

### Specifications

**Depth (D1):** 7"  
**Depth (D2):** 1.5"  
**Height:** 9"  
**Width:** 11.5"  
**Weight:** 13.5 lbs  
(without options)

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit [www.aaculbtrans.com/designselect](#).  
\*See ordering table for details

### WDGE2 LED Family Overview

Luminaire	Optics	Standard EM, 0°F	Gold EM, -30°F	Source	Approximate Lumens (4000K, 80CRI)							
WDGE1 LED	Visual Comfort	4W	—	—	P0	F1	P2	F3	F4	P5	P6	P6
WDGE2 LED	Visual Comfort	9W	18W	Standard / nLight	—	2,200	2,200	3,000	4,000	6,000	—	—
WDGE3 LED	Precision Reflector	9W	18W	Standard / nLight	7000	2,200	2,200	3,200	4,200	—	—	—
WDGE4 LED	Precision Reflector	15W	18W	Standard / nLight	6,000	2,500	8,500	10,000	12,000	—	—	—
WDGE6 LED	Precision Reflector	—	—	Standard / nLight	—	12,000	16,000	18,000	20,000	22,000	25,000	—

### Ordering Information

**EXAMPLE: WDGE2 LED P3 40K 80CRI VF VMOLT SRM DDBX**

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P1SW	27K 2700K	80CRI	VF	Visual comfort forward throw	VMOLT
	P2P	30K 3000K	90CRI	VF	Visual comfort forward throw	
	P3P	35K 3500K	—	VF	Visual comfort wide	ICW
	P4P	40K 4000K	—	VF	Visual comfort wide	
	P5P	50K 5000K	—	VF	Visual comfort wide	
						<b>Shipped included</b>
						SRM Surface mounting bracket
						ICW Surface Canyon/Ceiling Voucher bracket (dry/damp locations only)
						<b>Shipping separately</b>
						AWS 2.0m Architectural wall spacer*
						PBBW Surface-mounted back box, left, right, center entry. Use when there is no junction box available.*

### Options

EWBH	Emergency battery backup, Certified in CA Title 20 MARS (16K, 3°C min)
E10WH	Emergency battery backup, Certified in CA Title 20 MARS (10K, 5°C min)
EWXW	Emergency battery backup, Certified in CA Title 20 MARS (10K, -20°C min)
PE	PhotoCell, BatteryType®
D4	Dual switching (comes with 2 drivers and 2 light options, see page 3 for details)
DMS	D-10W dimmer wires pulled outside fixture (for use with an external control, ordered separately)*
BCE	Bottom conduct entry for back box (PBBW), total of 4 entry points
DSE	Dual Switching (1 Driver, 2 Light Engines)
CCE	Central Controlstar®

### Standalone Sensors/Controls

PIR	Bi-level (100/25%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH	Bi-level (100/25%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIR1FCV	Bi-level (100/25%) motion sensor for 8-15' mounting heights with photoCell pre-programmed for dusk to dawn operation.
PIR11FCV	Bi-level (100/25%) motion sensor for 8-15' mounting heights with photoCell pre-programmed for dusk to dawn operation.

### Networked Sensors/Controls

NL2MRP2 PIRH	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights.
NL2MRP2 PIRH	Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for dusk to dawn operation.
NL2MRP2 PIRH	Embedded wireless controls by nLight with UL524 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights.
NL2MRP2 PIRH	Embedded wireless controls by nLight with UL524 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.

See page 4 for set of location identifier

DDBXD	Dark bronze
IRLBD	Black
ALBD	Aluminum
SWDWD	White
OSXSD	Sandstone
IOBBD	Textured dark bronze
IBLBD	Textured natural aluminum
DWGDWD	Textured white
DSXSD	Textured sandstone

COMMERCIAL OUTDOOR

TYPES 'S1', 'S1E'

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Typical applications include corridors, lobbies, conference rooms and private offices.

**CONSTRUCTION** — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by tension springs.

Vertically adjustable mounting brackets will accommodate bar hangers provide 3/4" total adjustment. Two combination 1/2" - 3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out), No. 12 AWG conductors, rated for 90°C.

Accommodates 12" x 12" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) options available. Light engine and drivers are accessible from above or below ceiling.

Max. ceiling thickness: 1-1/2".

**OPTICS** — LEDs are binned to a 3-step MacAdam Ellipse; 80 CRI minimum, 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1:5.5 beam and 55° cut-off to source and image.

Self-adjusted concealed reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

**A+ CAPABLE LUMINAIRE** — This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance around out-of-the-box control compatibility with simple communications when used with Acuity Brands control products. All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency — including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates. To learn more about A+ standards, specifications, and testing visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

**UGR** — UGR is zero for fixtures aimed at nadir with a cut-off equal or less than 60deg per CIE 117-1996 (Differential Glare in Interior Lighting, IUGR 1.046).

**ELECTRICAL** — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

**LUMENS MAINTENANCE** — 70% lumen maintenance at 60,000 hours.

**LISTINGS** — Certified in the US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated.

**UL9001 "S140"** certified product. Drivers are ROHS compliant.

**GOVERNMENT PROCUREMENT** — BAA — Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy American regulations. BABA — Build America Buy American. Product with the BAA option qualifies as produced in the United States under the definitions of the Buy American, Buy America Act.

Please refer to [www.acuitybrands.com/learn-more](http://www.acuitybrands.com/learn-more) for additional information.

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

## PERFORMANCE DATA

LDN4			
Nominal	Lumens	Wattage	Lm/W
500	523.6	5.24	91.2
750	751.1	8.6	87.3
1000	1045	10.58	98.8
1500	1512	17.5	86.4
2000	2006	22.12	90.7
2500	2551	26.1	97.7
3000	3007	32.1	93.7
4000	4212	43	98.0

### Notes

Tested in accordance with IESNA LM-79-08

Tested to current IES and NEMA standards under stabilized laboratory conditions.

Based on LDN4 LSW 35K 80CRI

Catalog Number	
Notes	
Type	

# LDN4 STATIC WHITE

4" Open and Wallwash LED  
Non-IC  
New Construction Downlight

Open Trim

Wallwash Trim

## DISTRIBUTIONS

Open

Wallwash

## DIMENSIONS

LDN4 500-2000 Lumens

Assemblies: 10-1/2" x 10-1/2"

Mounting Bracket: 10-1/2" x 10-1/2"

Mounting Bracket: 10-1/2" x 10-1/2"

Mounting Bracket: 10-1/2" x 10-1/2"

Mounting Bracket: 10-1/2" x 10-1/2"

See page 4 for other fixture dimensions

DOWNLIGHTING

LDN4