



## D-Series Size 0 LED Area Luminaire



### Specifications

EPA:	0.95 f2 (.89 ft)
Length:	26" (660 mm)
Width:	13" (330 mm)
Height:	3" (76 mm)
Height:	7" (178 mm)
Weight (max):	16 lbs (7.25 kg)

### Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED					
P1	P5	30K 3000 K	T1S Type I short (Automotive)	MVOLT (120V-277V) <sup>1,2</sup>	Shipped included
P2	P6	40K 4000 K	T2S Type II short	XVOLT (277V-480V) <sup>1,2,3</sup>	SPA Square pole mounting <sup>11</sup>
P3	P7	50K 5000 K	T2M Type II medium	120 <sup>4</sup>	RPA Round pole mounting <sup>11</sup>
P4			T3S Type III short	208 <sup>4</sup>	VBA Wall bracket <sup>11</sup>
P4 <sup>1</sup>			T3M Type III medium	240 <sup>4</sup>	SPUMBA Square pole universal mounting adaptor <sup>11</sup>
P10 <sup>1</sup>	P12 <sup>1</sup>		T4M Type IV medium	277 <sup>4</sup>	RPU MBA Round pole universal mounting adaptor <sup>11</sup>
P11 <sup>1</sup>	P13 <sup>1,2</sup>		TFIM Forward throw medium	347 <sup>4</sup>	Shipped separately
			TSVS Type V very short <sup>1</sup>	480 <sup>4</sup>	KMA8 DDBXD U Mast arm mounting bracket adaptor (Specify finish) <sup>11</sup>

Control options	Other options	Search
<b>Shipped installed</b> NLTAIR2 Night AIR generation 2 enabled <sup>1,14</sup> PIRHN Infrared, high/low motion/ambient sensor <sup>1</sup> PIB NEHA built-in recessed only (control ordered separately) <sup>14</sup> PIB5 Five-pin receptacle only (control ordered separately) <sup>1,7</sup> PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separately) <sup>1,7</sup> DMG 0-10V dimming extend out back of housing for external control (control ordered separately) <sup>14</sup>	PIR High/low, motion/ambient sensor 8-12' mounting height, ambient sensor enabled at 34° <sup>14</sup> PIRHN High/low, motion/ambient sensor 15-30' mounting height, ambient sensor enabled at 34° <sup>14</sup> PIRHFICV High/low, motion/ambient sensor 8-12' mounting height, ambient sensor enabled at 16° <sup>14</sup> PIRHFICV High/low, motion/ambient sensor 15-30' mounting height, ambient sensor enabled at 16° <sup>14</sup> FAO Red adjustable output <sup>1</sup>	<b>Shipped installed</b> HS House-side shield <sup>1,2</sup> SF Single face (120, 277, 347V) <sup>1,4</sup> 2F Double face (208, 240, 480V) <sup>1,4</sup> L90 Left extended optics <sup>1</sup> R90 Right extended optics <sup>1</sup> DOL Diffused drop lens <sup>1</sup> HA 50°C ambient operations <sup>1</sup> BAA Buy America(s) Act Compliant <b>Shipped separately</b> BS Bolt spikes <sup>14</sup> EGS External glare shield



SKU#: PROJECT NAME: DATE:

## THINTEK™ WAFER S Direct Mount Recessed

### DESCRIPTION

The ThinTek™ Wafer series from TGS allows for easy installation from below the ceiling without the need for an existing can and is ideal for shallow ceiling plenum applications. The CCT switch allows for selection between 2700K, 3000K, 3500K, 4000K, and 5000K. With Title 24 certification, 90 CRI, and a variety of sizes and lumen packages, ThinTek™ Wafers provide versatility, reliable performance, and a fast, simple installation process.

### APPLICATIONS

Residential, Institution, Hospitality, Retail, Offices, Schools, Basement remodels, Kitchens and Hallways.

### FEATURES

**Construction**  
Die-cast aluminum housing and PC lens.  
Air-tight IC Rated.

### Optical System

Glare controlling lens for comfortable light distribution.  
Provides a 110° beam angle.

### Warranty

5 year warranty.  
See warranty documentation for more information.



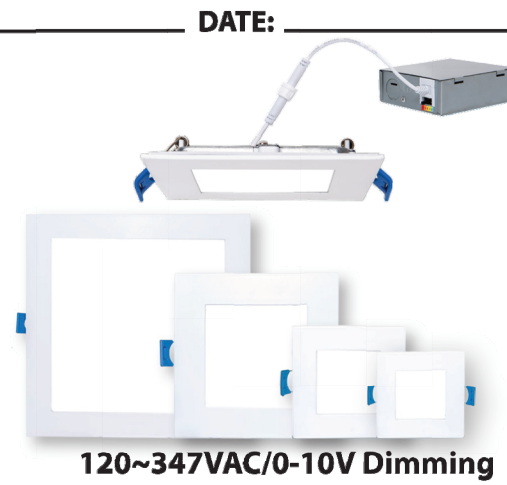
### Ordering Information

EXAMPLE: TWSF-0308-C-U

Series	Size/Wattage	CCT Switchable	Input Voltage/Control
TWSF - ThinTek Wafer Square Flat	0308 - 3"/18W 0410 - 4"/10W 0412 - 4"/12W 0612 - 6"/12W 0615 - 6"/15W 0818 - 8"/18W	C - 2700K/3000K/3500K/4000K/5000K	U - 120-347VAC/ 0-10V Dimming

Accessories
TW-EC03 (3' Extension Cable) TW-EC10 (10' Extension Cable) 90016-H (16W High Voltage Emergency Battery Backup) 90025-H (25W High Voltage Emergency Battery Backup)

Specifications and Dimensions subject to change without notice.  
\*MOQ and longer lead times may apply, please contact customer service for more information.  
1 07012021 9601 Varlei Ave | Chatsworth, CA 91311 | Ph: (818) 206-4404 | trulygreensolutions.com © 2021 Truly Green Solutions. All rights reserved.

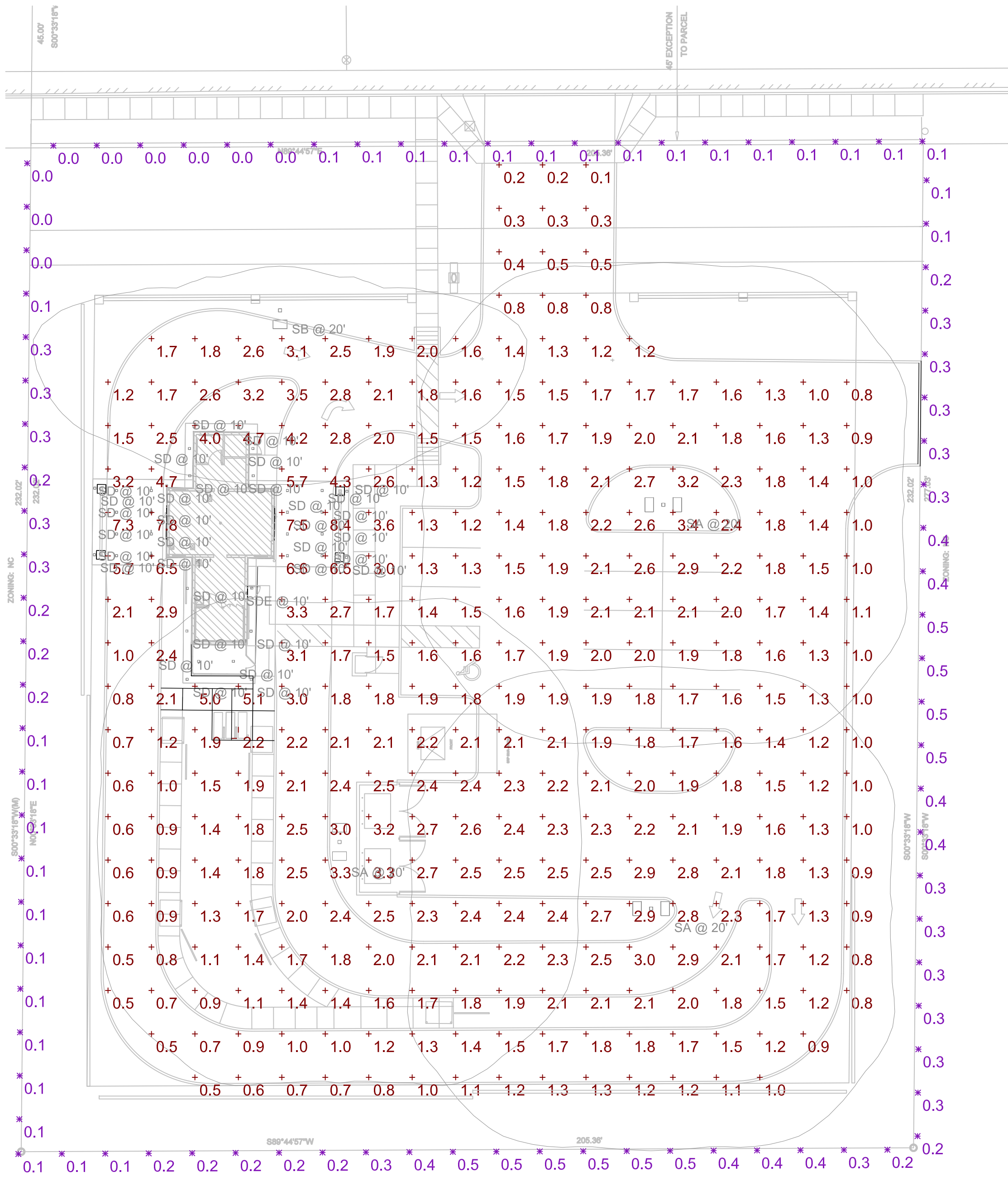
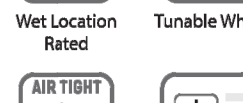


### 120~347VAC/0-10V Dimming

#### ThinTek™ Wafer S

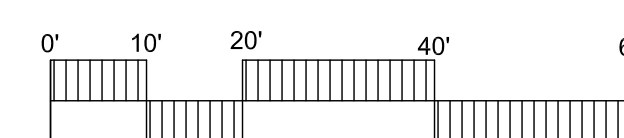
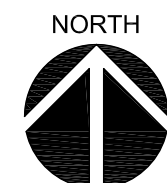
3" 8W (500 lm)  
4" 10W (650 lm)  
4" 12W (850 lm)  
6" 12W (900 lm)  
6" 15W (1100 lm)  
8" 18W (1500 lm)

Projected L70: 50,000+ hours  
Warranty: 5 Years  
0-10V Dimming (10%)



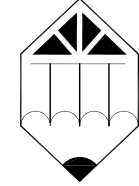
## 1 SITE PLAN

SCALE: 1" = 20'-0"



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PROPERTY LINE - FC @ 3' AFG	✕	0.2 fc	0.5 fc	0.0 fc	N/A	N/A
SITE - FC @ GRADE	+	1.9 fc	8.4 fc	0.1 fc	84.0:1	19.0:1

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
□	SA	3	Lithonia Lighting	(2) DSX0 LED P4 30K T5W MVOLT SPA (FINISH) / SSS 17.5' W/2.5' BASE	TWIN-HEAD DSX0 LED P4 30K T5W MVOLT	LED - 3000K	DSX0_LED_P4_3 0K_T5W_MVOLT .ies	10108	0.91	184
□	SB	1	Lithonia Lighting	DSX0 LED P4 30K T2M MVOLT SPA HS (FINISH) / SSS 17.5' W/2.5' BASE	DSX0 LED P4 30K T2M MVOLT with houseside shield	LED - 3000K	DSX0_LED_P4_3 0K_T2M_MVOLT _HS.ies	8014	0.91	92
□	SD	33	TGS	TWSF 0410 C U (3000K)	THINTEK WAFER S	LED - 3000K	TWSF-0410-C-U (2700K)_IESNA 2002.IES	656	0.91	9.9
□	SDE	1	TGS	TWSF 0410 C U (3000K) 90016-H	THINTEK WAFER S W/EM BATTERY PACK	LED - 3000K	TWSF-0410-C-U (2700K)_IESNA 2002.IES	656	0.91	9.9



## ARCHICON

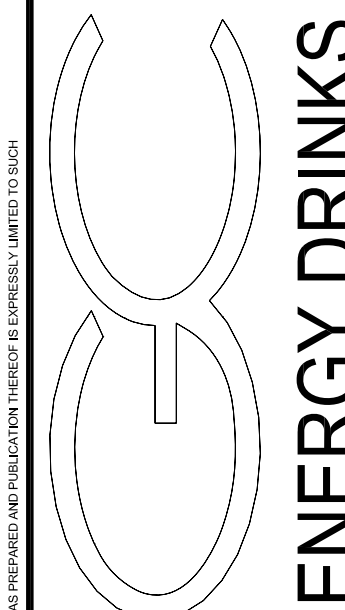
Architecture & Interiors, L.C.

5055 E WASHINGTON STREET  
SUITE 200  
PHOENIX, ARIZONA 85034  
(602) 222-4266  
FAX (602) 278-4305  
www.ARCHICON.COM



glenwood  
COMMERCIAL REAL ESTATE

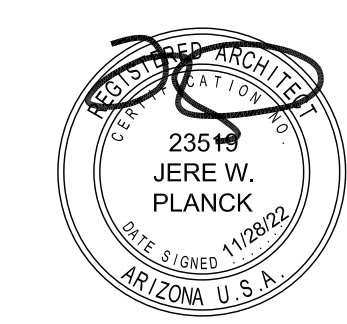
GRAVITY ENERGY DRINKS  
2937 E MCKELLIPS RD  
MESA, ARIZONA 85213



PROJECT NUMBER: 2136000-03  
PROJECT MANAGER: DEBBIE S.  
DRAWN BY: DEBBIE S.  
CHECKED BY: JEFF K

NO	REVISION	DATE

SHEET DESCRIPTION  
PHOTOMETRICS



SHEET NO.

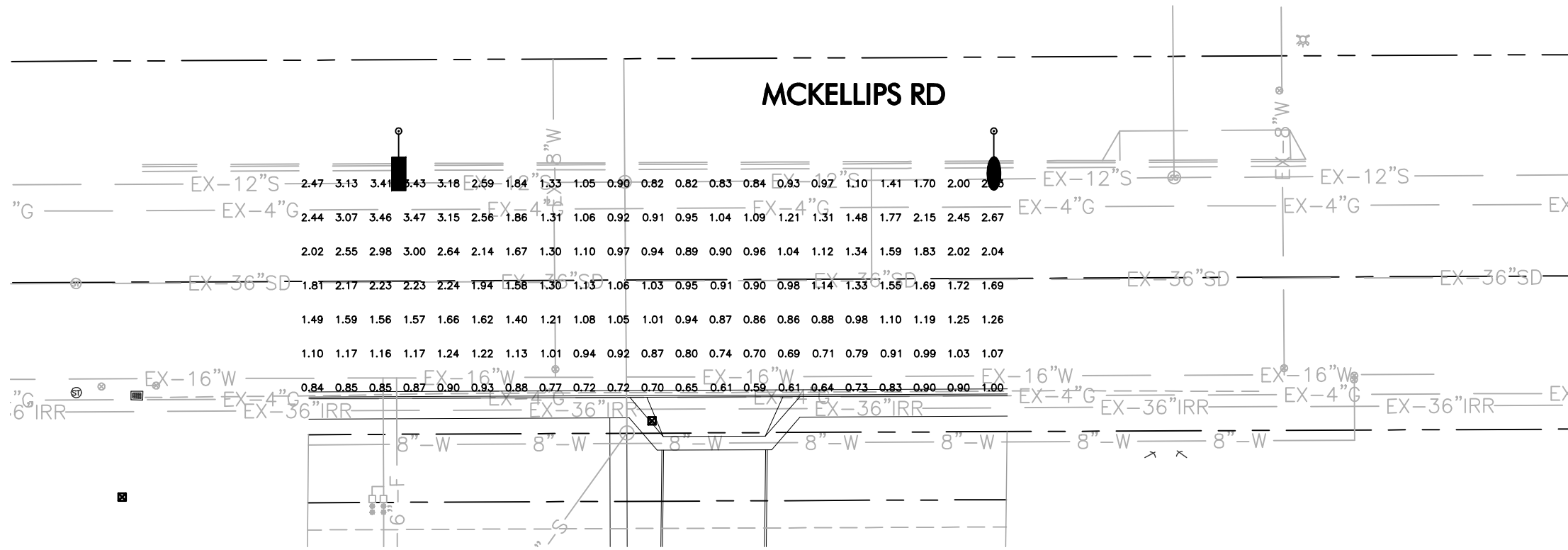
DR150

ISSUE DATE: 28 NOV 2022



THESE DRAWINGS AND SPECIFICATIONS ARE THE SOLE PROPERTY OF WRIGHT ENGINEERING CORPORATION. H:\2022\22477-Gravity Energy Photometrics\22477-SL.dwg

# GRAVITY ENERGY MCKELLIPS ROAD PHOTOMETRICS

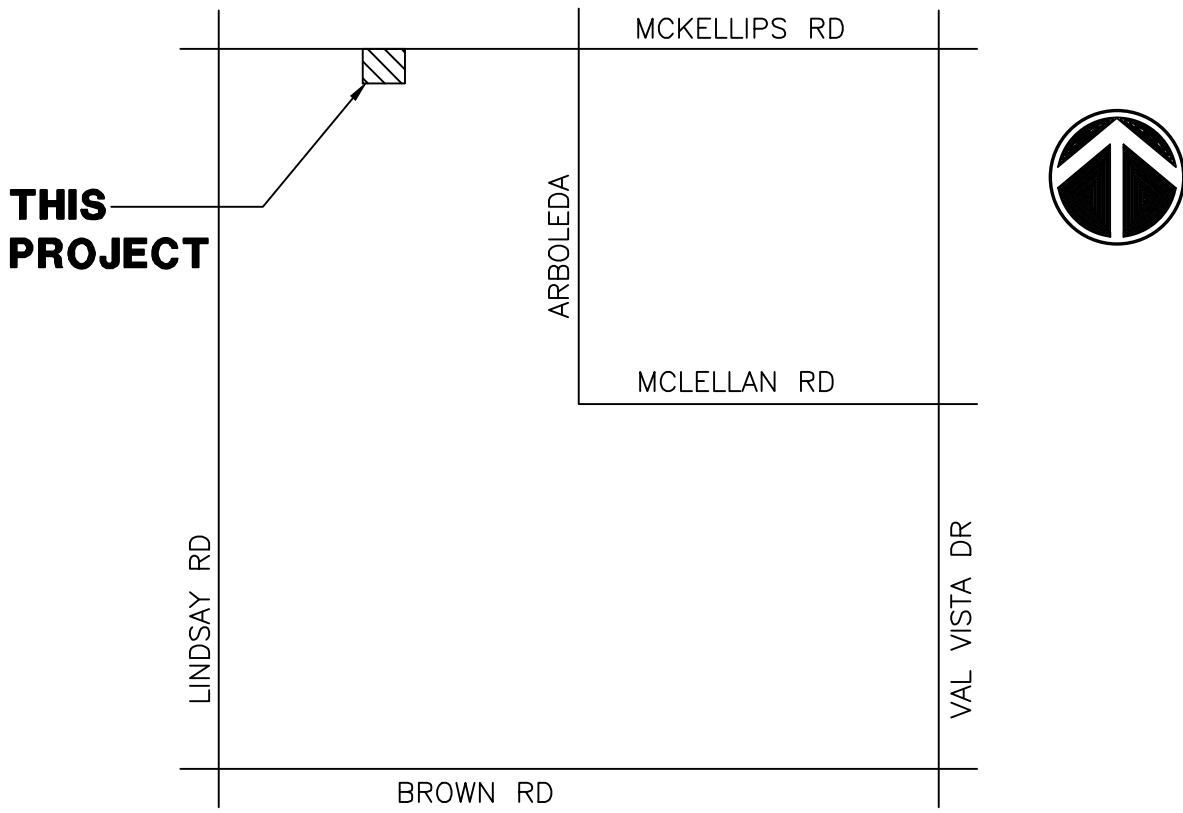


400W HPS Cobrahead  
Type III Distribution, 20' Mast Arm  
candela file 'GE7323.IES'  
1 lamp(s) per luminaire, 50000 initial lumens per lamp  
Light Loss Factor = 0.810, watts per luminaire = 400  
mounting height= 45 ft  
number locations= 1, number luminaires= 1  
kw all locations= 0.4

27000 LUMEN  
Type 3 Distribution  
20' Mast Arm  
candela file 'ERL2\_27C330\_IES'  
1 lamp(s) per luminaire, photometry is absolute  
Light Loss Factor = 0.900, watts per luminaire = 237  
mounting height= 45 ft  
number locations= 1, number luminaires= 1  
kw all locations= 0.2

MCKELLIPS RD  
147 points at z=0, sp 10ft by 10ft  
HORIZONTAL FOOTCANDLES  
Average 1.40  
Maximum 3.47  
Minimum 0.59  
Avg:Min 2.38  
Max:Min 5.88  
Coef Var 0.50  
UnifGrad 1.43

ROADWAY DESIGN CRITERIA				
STREET	TYPE	PEDESTRIAN CONFLICT	AVG FC	AVG/MIN
MCKELLIPS RD	ARTERIAL	MEDIUM	1.3	3:1



VICINITY MAP  
N.T.S.

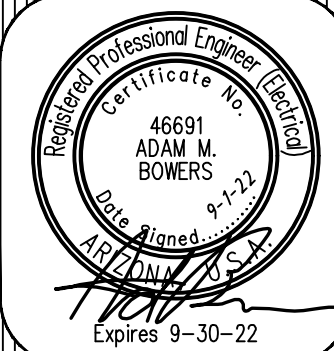
WRIGHT ENGINEERING  
PROJECT NO:  
**22477**  
DESIGN BY: BAB  
DRAWN BY: BAB  
CHECKED BY: AMB

**WRIGHT**  
engineering corporation  
ELECTRICAL ENGINEERING AND DESIGN  
165 EAST CHILTON DRIVE • CHANDLER, ARIZONA 85225  
PHONE 480.497.5829 • FAX 480.497.5807  
www.wrightengineering.us

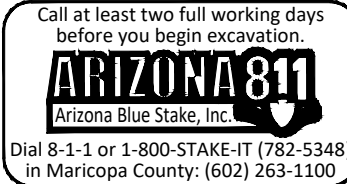
PROJECT: TITLE:

MESA, ARIZONA  
**GRAVITY ENERGY  
MCKELLIPS ROAD  
PHOTOMETRICS**

NO.	DATE	SUBMITTALS/REVISIONS (DESCRIPTIONS)
1	SEP 2022	1ST SUBMITTAL



DRAWING NO:  
**SL1**  
OF 1







# D-Series Size 0 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 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 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

## Specifications

**EPA:** 0.95 ft<sup>2</sup>  
(.09 m<sup>2</sup>)

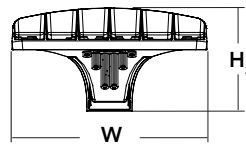
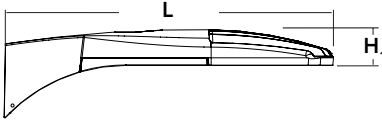
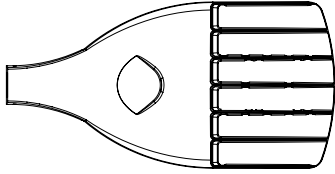
**Length:** 26"  
(66.0 cm)

**Width:** 13"  
(33.0 cm)

**Height<sub>1</sub>:** 3"  
(7.62 cm)

**Height<sub>2</sub>:** 7"  
(17.8 cm)

**Weight (max):** 16 lbs  
(7.25 kg)



## Ordering Information

**EXAMPLE:** DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED						
Series	LEDs	Color temperature	Distribution	Voltage	Mounting	
DSX0 LED	<b>Forward optics</b> P1 P5 P2 P6 P3 P7 <sup>1</sup> P4 <sup>1</sup> <b>Rotated optics</b> P10 <sup>2</sup> P12 <sup>2</sup> P11 <sup>2</sup> P13 <sup>1,2</sup>	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short <sup>3</sup>	T5S Type V short <sup>3</sup> T5M Type V medium <sup>3</sup> T5W Type V wide <sup>3</sup> BLC Backlight control <sup>4</sup> LCCO Left corner cutoff <sup>4</sup> RCCO Right corner cutoff <sup>4</sup>	MVOLT (120V-277V) <sup>5,6</sup> XVOLT (277V-480V) <sup>7,8,9</sup> 120 <sup>6</sup> 208 <sup>6</sup> 240 <sup>6</sup> 277 <sup>6</sup> 347 <sup>6</sup> 480 <sup>6</sup>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting <sup>10</sup> WBA Wall bracket <sup>3</sup> SPUMBA Square pole universal mounting adaptor <sup>11</sup> RPUMBA Round pole universal mounting adaptor <sup>11</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>12</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> NLTAIR2 nLight AIR generation 2 enabled <sup>13,14</sup> PIRHN Network, high/low motion/ambient sensor <sup>15</sup> PER NEMA twist-lock receptacle only (control ordered separate) <sup>16</sup> PER5 Five-pin receptacle only (control ordered separate) <sup>16,17</sup> PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separate) <sup>16,17</sup> DMG 0-10V dimming extend out back of housing for external control (control ordered separate) <sup>18</sup>	<b>Shipped installed</b> HS House-side shield <sup>22</sup> SF Single fuse (120, 277, 347V) <sup>6</sup> DF Double fuse (208, 240, 480V) <sup>6</sup> L90 Left rotated optics <sup>2</sup> R90 Right rotated optics <sup>2</sup> DDL Diffused drop lens <sup>22</sup> HA 50°C ambient operations <sup>1</sup> BAA Buy America(n) Act Compliant <b>Shipped separately</b> BS Bird spikes <sup>23</sup> EGS External glare shield	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
© 2011-2021 Acuity Brands Lighting, Inc. All rights reserved.

DSX0-LED  
Rev. 07/19/21  
Page 1 of 8



## Ordering Information

### Accessories

Ordered and shipped separately.

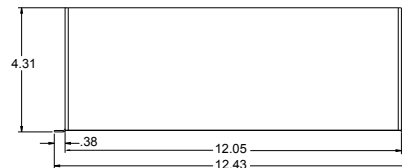
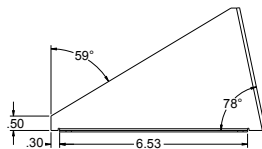
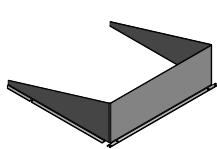
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>24</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>24</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>24</sup>
DSHORT SBK U	Shorting cap <sup>24</sup>
DSX0HS 20C U	House-side shield for P1,P2,P3 and P4 <sup>22</sup>
DSX0HS 30C U	House-side shield for P10,P11,P12 and P13 <sup>22</sup>
DSX0HS 40C U	House-side shield for P5,P6 and P7 <sup>22</sup>
DSX0DDL U	Diffused drop lens (polycarbonate) <sup>22</sup>
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish) <sup>25</sup>
KMA8 DDBXD U	Master arm mounting bracket adaptor (specify finish) <sup>12</sup>
DSX0EGS (FINISH) U	External glare shield

For more control options, visit [DTL](#) and [ROAM](#) online.  
Link to [nLight Air 2](#)

### NOTES

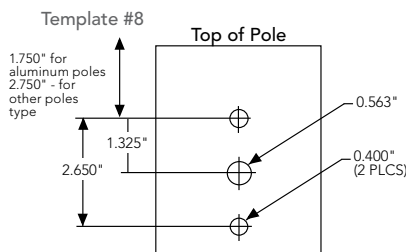
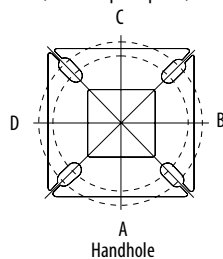
- HA not available with P4, P7, and P13.
- P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS or DDL.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- XVOLT only suitable for use with P4, P7 and P13.
- XVOLT operates with any voltage between 277V and 480V.
- XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- Suitable for mounting to round poles between 3.5" and 12" diameter.
- Universal mounting brackets intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- Must be ordered with PIRHN.
- Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- Reference Controls Options table on page 4.
- Reference Motion Sensor Default Table on page 4 to see functionality.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8

## EGS – External Glare Shield



## Drilling

### HANDHOLE ORIENTATION (from top of pole)



### 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	2-7/8"	2-7/8"	3.5"	3.5"		3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"		4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

### DSX0 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						
DSX0 LED	0.950	1.900	1.830	2.850	2.850	3.544



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°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	Lumen Maintenance Factor
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell 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

\*for use when motion sensor is used as dusk to dawn control.

### 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	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.
PERS 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
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
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 Eclipse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

### Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	20	530	38	0.32	0.18	0.15	0.15	0.10	0.08
	P2	20	700	49	0.41	0.23	0.20	0.19	0.14	0.11
	P3	20	1050	71	0.60	0.37	0.32	0.27	0.21	0.15
	P4	20	1400	92	0.77	0.45	0.39	0.35	0.28	0.20
	P5	40	700	89	0.74	0.43	0.38	0.34	0.26	0.20
	P6	40	1050	134	1.13	0.65	0.55	0.48	0.39	0.29
	P7	40	1300	166	1.38	0.80	0.69	0.60	0.50	0.37
Rotated Optics (Requires L90 or R90)	P10	30	530	53	0.45	0.26	0.23	0.21	0.16	0.12
	P11	30	700	72	0.60	0.35	0.30	0.27	0.20	0.16
	P12	30	1050	104	0.88	0.50	0.44	0.39	0.31	0.23
	P13	30	1300	128	1.08	0.62	0.54	0.48	0.37	0.27





# WDGE1 LED

## Architectural Wall Sconce



Catalog  
Number

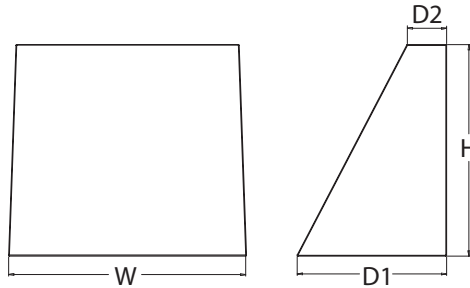
Notes

Type

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

### Specifications

**Depth (D1):** 5.5"  
**Depth (D2):** 1.5"  
**Height:** 8"  
**Width:** 9"  
**Weight:** 9 lbs  
 (without options)



### Introduction

The WDGE1 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted 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 true site-wide solution.

WDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

### WDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
<a href="#">WDGE2 LED</a>	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
<a href="#">WDGE3 LED</a>	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
<a href="#">WDGE4 LED</a>	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

### Ordering Information

**EXAMPLE: WDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD**

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE1 LED	P1	27K 2700K	80CRI	VF Visual comfort forward throw	MVOLT 347 <sup>2</sup>	<b>Shipped included</b> SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>5</sup> <b>Shipped separately</b> AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry) Use when there is no junction box available.
	P2	30K 3000K	90CRI	VW Visual comfort wide		
		35K 3500K				
		40K 4000K				
		50K <sup>1</sup> 5000K				

Options	Finish
E4WH <sup>3</sup> Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min)	DDBXD Dark bronze
PE <sup>4</sup> Photocell, Button Type	DBLXD Black
DS Dual switching ( comes with 2 drivers and 2 light engines; see page 3 for details)	DNAXD Natural aluminum
DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHXD White
BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points.	DSSXD Sandstone
	DDBTXD Textured dark bronze
	DBLTXD Textured black
	DNATXD Textured natural aluminum
	DWHGXD Textured white
	DSSTXD Textured sandstone

### Accessories

Ordered and shipped separately.

WDGEAWS DDBXD U WDGE 3/8inch Architectural Wall Spacer (specify finish)  
 WDGE1PBBW DDBXD U WDGE1 surface-mounted back box (specify finish)

### NOTES

- 50K not available in 90CRI.
- 347V not available with E4WH, DS or PE.
- E4WH not available with PE or DS.
- PE not available with DS.
- Not qualified for DLC. Not available with E4WH.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
 © 2019-2021 Acuity Brands Lighting, Inc. All rights reserved.

WDGE1 LED  
 Rev. 03/17/21



## 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.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	10W	VF	1,120	112	0	0	0	1,161	116	0	0	0	1,194	119	0	0	0	1,227	123	0	0	0	1,235	123	0	0	0
		VW	1,122	112	0	0	0	1,163	116	0	0	0	1,196	120	0	0	0	1,229	123	0	0	0	1,237	124	0	0	0
P2	15W	VF	1,806	120	1	0	0	1,872	125	1	0	0	1,925	128	1	0	0	1,978	132	1	0	0	1,992	133	1	0	0
		VW	1,809	120	1	0	0	1,876	125	1	0	0	1,929	128	1	0	0	1,982	132	1	0	0	1,996	133	1	0	0

### Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	10W	0.082	0.049	0.043	0.038	--
	13W	--	--	--	--	0.046
P2	15W	0.132	0.081	0.072	0.064	--
	18W	--	--	--	--	0.056

### Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

### Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

### 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	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91







## THINTEK™ WAFER S

## Direct Mount Recessed

### DESCRIPTION

The ThinTek™ Wafer series from TGS allows for easy installation from below the ceiling without the need for an existing can and is ideal for shallow ceiling plenum applications. The CCT switch allows for selection between 2700K, 3000K, 3500K, 4000K, and 5000K. With Title 24 certification, 90 CRI, and a variety of sizes and lumen packages, ThinTek™ Wafers provide versatility, reliable performance, and a fast, simple installation process.

### APPLICATIONS

Residential, Institution, Hospitality, Retail, Offices, Schools, Basement remodels, Kitchens and Hallways.

### FEATURES

#### Construction

Die-cast aluminum housing and PC lens.  
Air-tight IC Rated.

#### Optical System

Glare controlling lens for comfortable light distribution.  
Provides a 110° beam angle.

#### Warranty

5 year warranty.  
See warranty documentation for more information.

#### Electrical

Input voltage: 120~347VAC, 60Hz  
16W or 25W High Voltage Emergency Battery Backup option available.  
12" Power Cable (Standard): Extension Cable option available in 3' or 10'.

#### Installation/ Mounting

Recessed Mounting with adjustable spring loaded retention tabs for secure fixture.

#### Controls/Dimming

0-10V Dimming (Dims to 10%)  
Tunable White between 2700K, 3000K, 3500K 4000K, 5000K.



120~347VAC/0-10V Dimming

#### ThinTek™ Wafer S

3", 8W (500 lm)  
4", 10W (650 lm)  
4", 12W (850 lm)  
6", 12W (900 lm)  
6", 15W (1100 lm)  
8", 18W (1500 lm)

Projected L70: 50,000+ hours  
Warranty: 5 Years  
0-10V Dimming (10%)



TITLE 24  
Compliant



90+ CRI



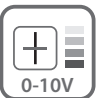
Wet Location  
Rated



Tunable White



Air Tight



0-10V  
Dimming  
Dims to 10%

## Ordering Information

### EXAMPLE: TWSF-0308-C-U

Series	Size/Wattage	CCT Switchable	Input Voltage/Control
TWSF - ThinTek Wafer Square Flat	0308 - 3"/8W 0410 - 4"/10W 0412 - 4"/12W 0612 - 6"/12W 0615 - 6"/15W 0818 - 8"/18W	C - 2700K/3000K/3500K/4000K/5000K	U - 120~347VAC/ 0-10VDimming
Accessories			

TW-EC03 (3' Extension Cable)  
TW-EC10 (10' Extension Cable)  
90016-H (16W High Voltage Emergency Battery Backup)  
90025-H (25W High Voltage Emergency Battery Backup)

Specifications and Dimensions subject to change without notice.

\*MOQ and longer lead times may apply, please contact customer service for more information.

Accessories options are purchased separately.



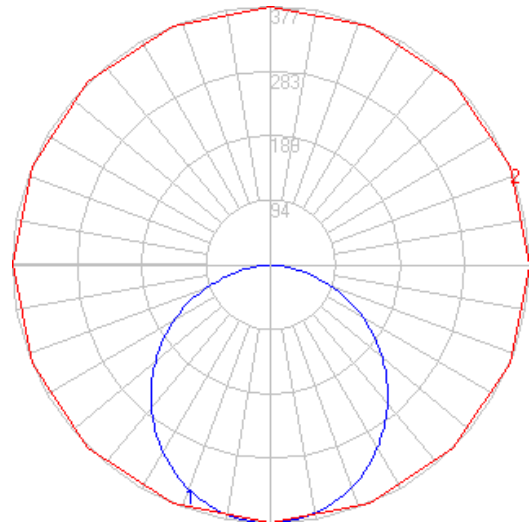
## Performance Information

Input Voltage	120~347VAC
Input Frequency	60Hz
Wattage	See Performance Table
Delivered Lumens	See Performance Table
Efficacy	See Performance Table
CRI	>90
Available CCT	2700K, 3000K, 3500K, 4000K, 5000K
Projected L70	50,000+ hours
Power Factor	>0.9
THD	<20%
Dimming	0-10V Dimming (Dims To 10%)
Operating Temp.	32°~104°F

## Photometric Data

6" 15W

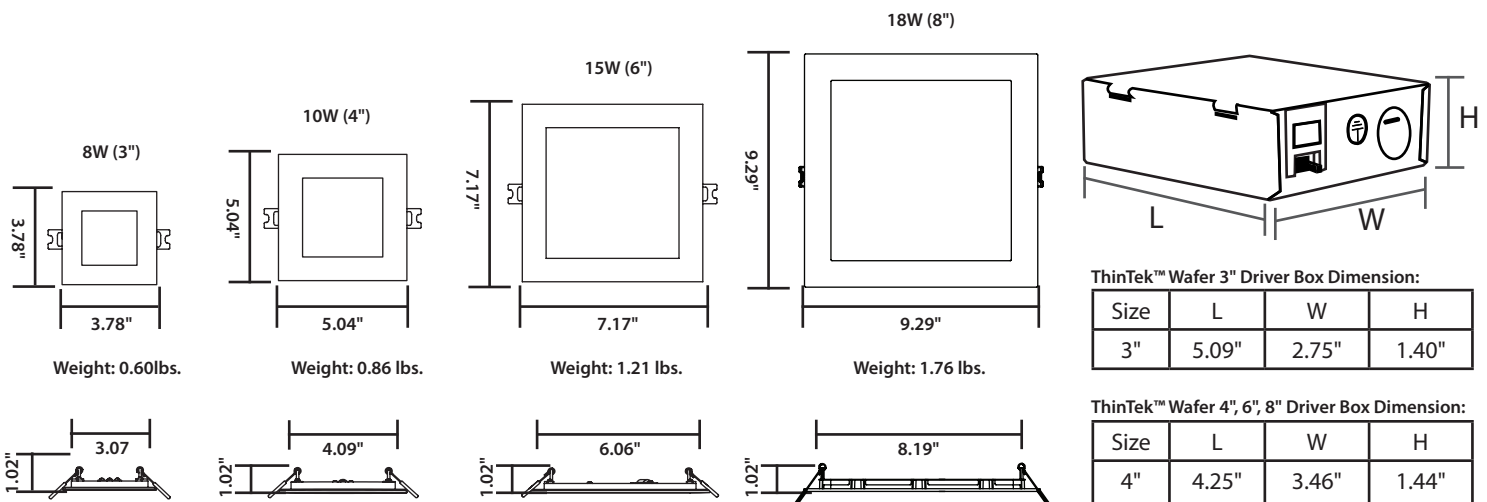
\* IESNA LM-63 IES Available



## Performance Table

SKU	Size (in)	Wattage (W)	5000K	
			Delivered Lumens (lm)	Efficacy (lm/W)
TWSF-0308-C-U	3	8	500	63
TWSF-0410-C-U	4	10	650	65
TWSF-0412-C-U	4	12	850	71
TWSF-0612-C-U	6	12	900	75
TWSF-0615-C-U	6	15	1100	73
TWSF-0818-C-U	8	18	1500	83

## Product Dimensions





# ZENITH SM TBS LED

Architectural Outdoor



PROJECT:	
TYPE:	
PO#:	QTY:
COMMENTS:	

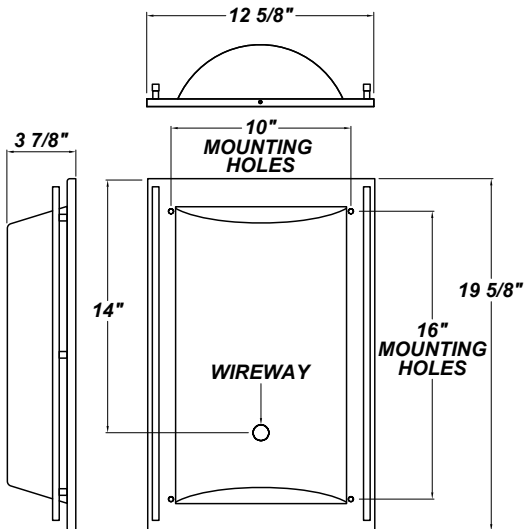


## FEATURES

- ADA Compliant
- Aluminum Mounting Pan w/ High Reflectance White Powder Coat Finish
- Aluminum Trim w/ Matte Silver Powder Coat Finish
- CSA Listed Damp Location For Ceiling Mount
- CSA Listed Wet Location For Wall Mount
- Dimmable to <5%
- IES Files Available
- LED Light Fixture
- Mounts Direct to 4" Junction Box w/ 4 Wall Anchors (By Others) (Not Included)
- Surge Protector
- UL Class 2 ELV Driver - Over-Voltage, Over-Current, and Short-Circuit Protection w/ Auto Recovery
- Vandal Resistant
- White 75% DR Acrylic Lens

## LINE DRAWING

LINE DRAWING NOT TO SCALE



## FINISHES

Antique Copper	Antique Silver	Bronze Mist	Matte Silver	Sand	Swedish Steel
Textured Black	Textured Bronze	Textured White			

For RAL Colors & Custom Match - Contact Teron Lighting Inc.



# ZENITH SM TBS LED

Architectural Outdoor



Fixture Core

PROJECT:	
TYPE:	
PO#:	QTY:
COMMENTS:	

PRODUCT CODE	SOURCE/WATTAGE	VOLTAGE	DIMMING DRIVER
ZENS - Zenith SM	L16.2-TE500 - 16.2W @ 500mA ELV 2-Wire Dimmable Driver L24.3-TE875 - 24.3W @ 875mA ELV 2-Wire Dimmable Driver	120-277V	Not Applicable
ORDER INFO			
ZENS	L16.2-TE500	120-277V	Not Applicable

Example ^ (may not represent a manufacturable product)

Aesthetics & Options

TRIM	FINISH	COLOR TEMP	OPTIONS
TBS	AC - Antique Copper AS - Antique Silver BT - Bronze Mist SM - Matte Silver (Standard) SN - Sand SW - Swedish Steel TB - Textured Black BZ - Textured Bronze TW - Textured White	40K - 4000K Color Temp. 35K - 3500K Color Temp. 30K - 3000K Color Temp.	F - Fused MSI - Steinel HFLUM2-WR Internal Motion Sensor (120V / 277V Only) TP - Tamper Resistant Screws
ORDER INFO			
TBS	AC	40K	F

Example ^ (may not represent a manufacturable product)

PROD	SOURCE	30K SPECS				
ZENS	L24.3	<ul style="list-style-type: none"><li>30K - 3000K Color Temp.</li><li>3280 LED Source Lumens</li><li>121 LED Source Lumens Per Watt</li></ul>				
	L16.2	<ul style="list-style-type: none"><li>30K - 3000K Color Temp.</li><li>1944 LED Source Lumens</li><li>121 LED Source Lumens Per Watt</li></ul>				

REPLACEMENT PART	PART NO	NOTES
White 75% DR Acrylic Lens	3048960	Don't see the configuration you are looking for? Call us today at (513) 858-6004