### **Project Information**

2018 IECC Energy Code: POWER & ELLIOTT (DR) Project Title: Project Type: **New Construction** Exterior Lighting Zone 2 (Residential mixed use area (LZ2))

Construction Site: Designer/Contractor: SEC OF POWER ROAD AND ELLIOTT MESA, AZ 85212

### **Allowed Exterior Lighting Power**

Area/Surface Category	Quantity	Allowed Watts / Unit	Tradable Wattage	Allowed Watt (B X C)
ALDI RETAIL WALL (Illuminated area of facade wall or surface)	19119 ft2	0.07	No	1434
FITNESS WALL (Illuminated area of facade wall or surface)	41789 ft2	0.07	No	3134
CAR PARKING (Parking area)	263730 ft2	0.04	Yes	10549
7-11 CONV. (Illuminated area of facade wall or surface)	2840 ft2	0.07	No	213
GAS CANOPY (Free standing/attached sales canopy)	5430 ft2	0.4	Yes	2172
		Total Tradab	ole Watts (a) =	12721

Total Tradable Watts (a)	= 12721
Total Allowed Watts :	= 17502
Total Allowed Supplemental Watts (b)	= 400
(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.	
(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable	areas/surfaces.

(a) Wattage tradeons are only allowed between tradable areas/surfaces.  (b) A supplemental allowance equal to 400 watts may be applied toward compliance	of both non-tradable a	nd tradable	areas/surfac	ces.
Proposed Exterior Lighting Power				
Á	В	С	D	E
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixtures	Fixture Watt.	(C )
ALDI RETAIL WALL ( Illuminated area of facade wall or surface 19119 ft2): No	n-tradable Wattage			
LED 4: SGE: WALL SCONCE: Other:	1	2	19	
LED 5: SHE: DOWNLIGHT: Other:	1	2	12	
LED 13: SL: WALL PACK: Other:	1	3	51	
FITNESS WALL ( Illuminated area of facade wall or surface 41789 ft2): Non-tra	adable Wattage			
LED 6: SGE: WALL SCONCE: Other:	1	5	19	
LED 7: SHE: DOWNLIGHT: Other:	1	2	12	
LED 14: SL: WALL PACK: Other:	1	2	51	
CAR PARKING ( Parking area 263730 ft2): Tradable Wattage				
LED 8: SA: TWIN HEAD POLE: Other:	2	15	274	4
LED 9: SB: SINGLE HEAD POLE: Other:	1	1	137	
LED 10: SC: SINGLE HEAD POLE: Other:	1	4	137	ļ
LED 11: SD: SINGLE HEAD POLE: Other:	1	7	137	ç
LED 12: SF: SINGLE HEAD POLE: Other:	1	5	137	(
LED 12: C: SINGLE POLE HEAD: Other:	1	1	184	
LED 12 copy 1: D: SINGLE POLE HEAD: Other:	1	1	184	
LED 12 copy 2: E: SINGLE POLE HEAD: Other:	1	4	184	7

7-11 CONV. ( Illuminated area of facade wall or surface 2840 ft2): Non-tradable Wattage

 $\label{lem:decomposition} Data\ filename: Z: \Shared \01_Projects \2022 \22713_RKAA_Power\ and\ Elliot\ (DR) \01_Construction Documents \ENERGY \22713_IECC.cck$ 

A Fixture ID: Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)	
LED 14: B: CANOPY LIGHT: Other:	1	6	31	186	
GAS CANOPY (Free standing/attached sales canopy 5430 ft2): Tradable Wattage LED 13: A: CANOPY LIGHTS: Other:	1	32	86	2765	

### Exterior Lighting PASSES: Design 20% better than code

### **Exterior Lighting Compliance Statement**

LED 13 copy 1: F: CANOPY LIGHTS: Other:

Project Title: POWER & ELLIOTT (DR)

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

HICHAM KHACHANE, PM.



07/24/24

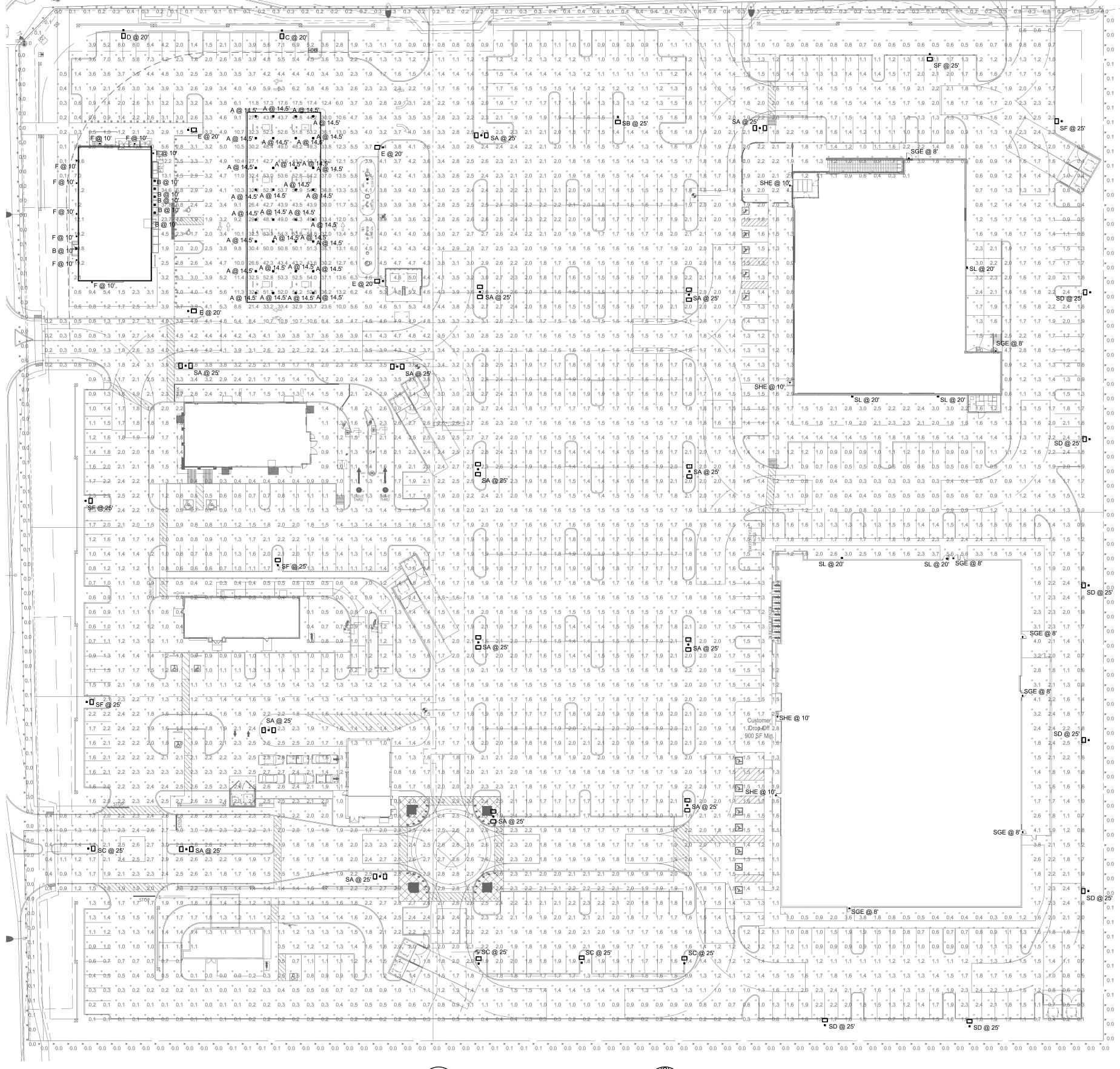
Total Tradable Proposed Watts = 10452

Report date: 07/25/24

Page 1 of 6

Statistics									
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min			
SITE - FC @ GRADE	+	2.8 fc	54.8 fc	0.0 fc	N/A	N/A			
PROPERTY LINE - FC @ 3' AFG	Ж	0.1 fc	0.4 fc	0.0 fc	N/A	N/A			

Schedule									12-14-1	
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	А	32	CREE	CPY250-C-13L-57K7-F-UL-DM-WH-HZ	CPY250 Canopy Luminaire, 13L Lumen Package, 5700K, 70 CRI, Flat Lens, 120-277V	LED - 5700K COLOR TEMP	CPY250-C-13L-57K7-F- UL-xx-xx-xxx_PL16548- -004A.ies	14015	0.91	86.4
В		6	CREE	CPY250-C-4L-57K7-F-UL-DM-BZ-HZ	CONFIGURED FROM CPY250 Canopy Luminaire, 13L Lumen Package, 5700K, 70 CRI, Flat Lens, 120-277V	LED - 5700K COLOR TEMP	CPY250-C-4L-57K7-F- UL-xx-xx- xxxx_CONFIGURED.ies	4890	0.91	31
	С	1	CREE	XSPLG-D-HT-3ME- BLS 24L-57K7-UL-BZ-N	CONFIGURED FROM XSPLG LED Street/Area Luminaire - Large, 24L Lumen Package, Type III Medium Optic Distribution w/ Backlight Shield, 40k CCT, 70 CRI	LED - 5700K COLOR TEMP	XSPLG-D-HT-3ME-24L- 57K7-Ux-SV-N W_XA- SP2BLS_CONFIGURED. ies	16900	0.91	184
	D	1	CREE	XSPLG-D-HT-4ME- BLS 24L-57K7-UL-BZ-N	CONFIGURED FROM XSPLG LED Street/Area Luminaire - Large, 24L Lumen Package, Type IV Medium Optic Distribution w/ Backlight Shield, 40k CCT, 70 CRI	LED - 5700K COLOR TEMP	XSPLG-D-HT-4ME-24L- 57K7-UX-SV-N W_XA- SP2BLS_CONFIGURED. ies	17400	0.91	184
	Е	4	CREE	XSPLG-D-HT-5SH-24L-57K7-UL-BZ-N	CONFIGURED FROM XSPLG LED Street/Area Luminaire - Large, 24L Lumen Package, Type V Short Optic Distribution, 30K CCT, 70 CRI	LED - 5700K COLOR TEMP	XSPLG-D-HT-5SH-24L- 57K7-Ux-xx- N_CONFIGURED.ies	22801	0.91	184
$\bigcirc$	F	9	ALW	CRM6/WL 20 83 40 80 NN N V10 L SB UP	CORE 6 WALL MOUNT WITH UPLIGHT	LED - 4000K COLOR TEMP	CORE-6-2000-90- 4000K-80 degree.ies	2161	0.91	15.9
	SA	15	LITHONIA LIGHTING	(2) DSX0 LED P6 30K 80CRI T5W MVOLT SPA (FINISH) / SSS 22.5' W/2.5' BASE	TWIN-HEAD D-Series Size 0 Area Luminaire P6 Performance Package 3000K CCT 80 CRI Type 5 Wide	LED - 3000K	DSX0_LED_P6_30K_80 CRI_T5W.ies	15838	0.91	274
	SB	1	LITHONIA LIGHTING	DSX0 LED P6 30K 80CRI T5W MVOLT SPA (FINISH) / SSS 22.5' W/2.5' BASE	D-Series Size 0 Area Luminaire P6 Performance Package 3000K CCT 80 CRI Type 5 Wide	LED - 3000K	DSX0_LED_P6_30K_80 CRI_T5W.ies	15838	0.91	137
	SC	4	LITHONIA LIGHTING	DSX0 LED P6 30K 80CRI T5W MVOLT SPA HS (FINISH) / SSS 22.5' W/2.5' BASE	D-Series Size 0 Area Luminaire P6 Performance Package 3000K CCT 80 CRI Type 5 Wide Houseside Shield	LED - 3000K	DSX0_LED_P6_30K_80 CRI_T5W_HS.ies	10758	0.91	137
	SD	7	LITHONIA LIGHTING	DSX0 LED P6 30K 80CRI BLC4 MVOLT SPA (FINISH) / SSS 22.5' W/2.5' BASE	D-Series Size 0 Area Luminaire P6 Performance Package 3000K CCT 80 CRI Type 4 Extreme Backlight Control	LED - 3000K	DSX0_LED_P6_30K_80 CRI_BLC4.ies	11213	0.91	137
	SF	5	LITHONIA LIGHTING	DSX0 LED P6 30K 80CRI T3M MVOLT SPA HS (FINISH) / SSS 22.5' W/2.5' BASE	D-Series Size 0 Area Luminaire P6 Performance Package 3000K CCT 80 CRI Type 3 Medium Houseside Shield	LED - 3000K	DSX0_LED_P6_30K_80 CRI_T3M_HS.ies	12938	0.91	137
	SGE	7	LITHONIA LIGHTING	WDGE2 LED P2 30K 80CRI T3M MVOLT SRM E20WC (FINISH)	WDGE2 LED WITH P2 - PERFORMANCE PACKAGE, 3000K, 80CRI, TYPE 3 MEDIUM OPTIC W/EM BATTERY PACK	LED - 3000K	WDGE2_LED_P2_30K_ 80CRI_T3M.ies	1964	0.91	18.981
$\bigcirc$	SHE	4	DMF LIGHTING	DRDH N JO 100SEM / DRD5S 4 R 10 9 30 EM	4IN SURFACE MOUNTED DOWNLIGHT W/EM BATTERY PACK	LED - 3000K	DRD5S-4R-10930.ies	1015	0.91	11.8
	SL	5	LITHONIA LIGHTING	WDGE3 LED P1 80CRI R3 30K MVOLT SRM (FINISH)	WDGE3 LED WITH P1 - PERFORMANCE PACKAGE, 3000K,	LED - 3000K	WDGE3_LED_P1_70CR I_R3_30K.ies	6933	0.91	51.171







Project Number: 22713 | Project Manager: HK 7328 E Stetson Dr., Scottsdale, AZ 85251 P: 480.626.7072 | ardebilieng.com

POWE 22713 ADDRESS SEC OF POWE

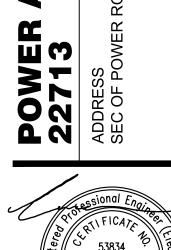
ELLIOTT

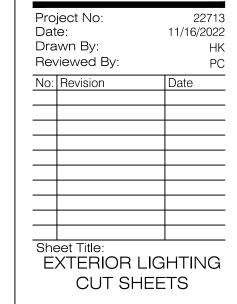
Project No: 11/16/2022 Date: Drawn By: Reviewed By:

**EXTERIOR** PHOTOMETRIC Sheet No.:

Sheet Title:

**EO.** 1



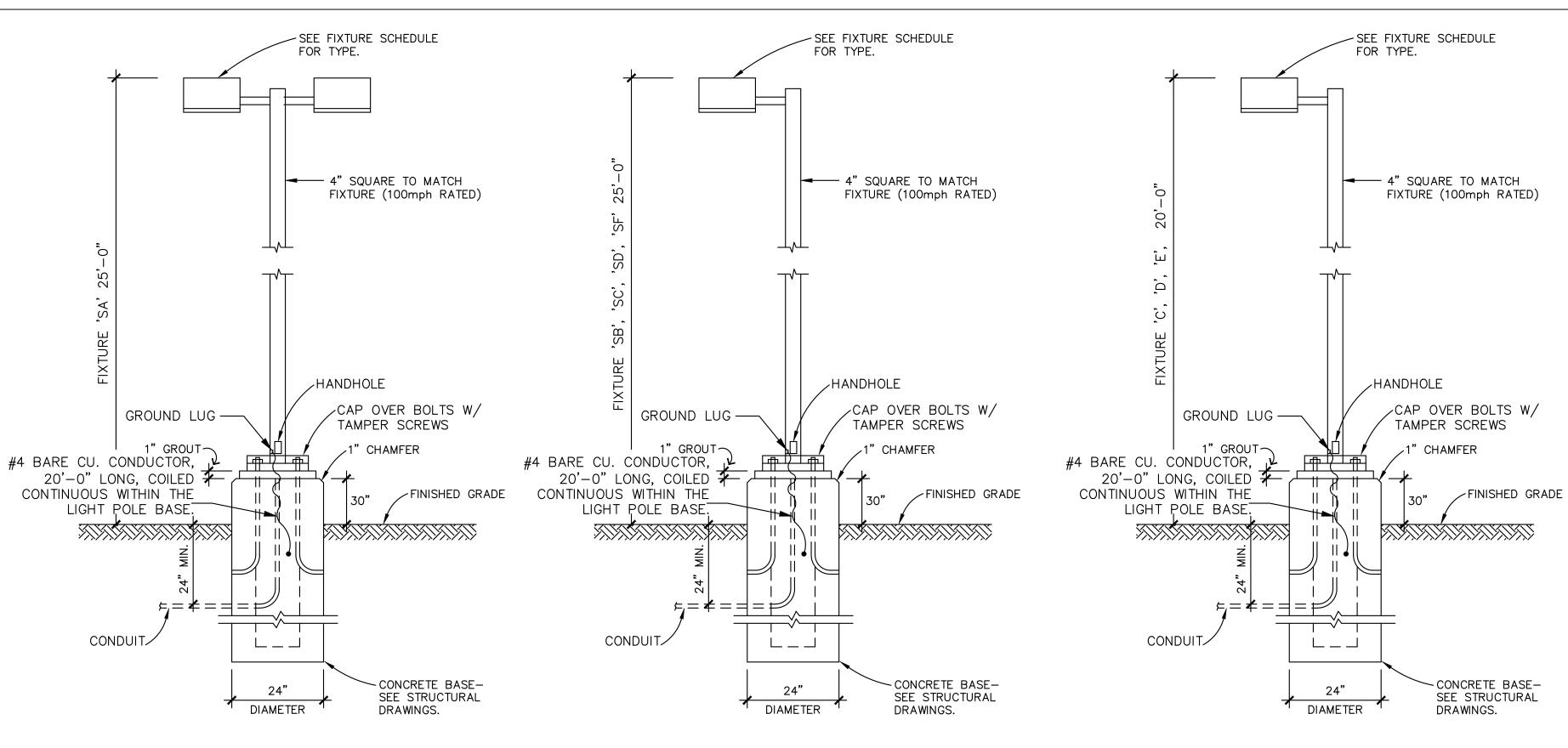


**E0.2** 

Sheet No.:

Project Number: 22713 | Project Manager: HK 7328 E Stetson Dr., Scottsdale, AZ 85251 P: 480.626.7072 | ardebilieng.com

is no junction box available.



### LIGHT POLE AND FIXTURE 'SA'

N.T.S.

NOTE:
CONTRACTOR SHALL PROVIDE NEW POLE BASES WHERE INDICATED ON PLANS. LIGHTING FIXTURE POLE DETAILS AND DESCRIPTIONS ARE FOR ELECTRICAL REFERENCES ONLY. PLEASE REFER TO ARCHITECTURAL SHEETS FOR POLE BASE DETAILS.

### LIGHT POLE AND FIXTURE 'SB', 'SC', 'SD', 'SF'

CONTRACTOR SHALL PROVIDE NEW POLE BASES WHERE INDICATED ON PLANS. LIGHTING FIXTURE POLE DETAILS AND DESCRIPTIONS ARE FOR ELECTRICAL REFERENCES ONLY. PLEASE REFER TO ARCHITECTURAL SHEETS FOR POLE BASE DETAILS.

### LIGHT POLE AND FIXTURE 'C', 'D', 'E'

N.T.S. NOTE:
CONTRACTOR SHALL PROVIDE NEW POLE BASES WHERE INDICATED ON PLANS. LIGHTING FIXTURE POLE DETAILS AND DESCRIPTIONS ARE FOR ELECTRICAL REFERENCES ONLY. PLEASE REFER TO ARCHITECTURAL SHEETS FOR POLE BASE DETAILS.

### DRD5S & SurfaceFrame

Surface Mount LED Downlight New Construction **DRDHNJO Octagonal Junction Box** 

dmflighting.com

Type: SHE Product Code: Spec Sheet V-01.10.22



- · Thinnest-in-class DRD5S delivers the pure, smooth light and the elegant look of a high-end recessed downlight
- Features multiple ratings to meet the demands of a wide range of situations
- Ultra-low profile allows it to install in as little as 2" of ceiling space when 5/8" drywall is used

Non-Conductive Dead Front

Application		Aperture					
New Construction		4" Octagonal Junction Box  Color Quality					
Delivered Lumens							
750 lm (9.0W), 1000 lm (12.0V	V)	90+ CRI, < 3-step	SDCM				
Color Temperature		Optics					
2700K 3000K 3500K		General					
Input Voltage	Dimming	Emergency Lighting					
120V only (TRIAC/ELV), 120/277V (0-10V)	TRIAC/ELV 5% 0-10V 1%	Optional Emergency LED Driver with integrated Test Switch for lighting up to 90 minutes in event of power failure					
Shape		Finish		Module Ratings			
Round, Square		White Q UL Closet Rat					
Housing Ratings		·		Compliant (750 lm onl			
Code compliant for use in appropriate fire-rated assemblies up to a maximum of 2-hours	STC/IIC Sound Rated	ASTM E283 (Insulation Certified Contact) Rated Air Tight		UL Listed for Wet Location			
Standards	Guarantee		Additional Optio	<u> </u>			

50,000 hrs | 5 years



### PAD GAS STATION LED CANOPY











The PAD series is well designed to be superior illumination performace under exterior gas station and canopy applications. Suitable for 3/4 NPT stem pendent mount and surface mount. Separate driver design and special air cooling design ensure much more reliable performance.

### FEATURES 1

Depth: 7.68"

Width: 16.38"

Length: 18.98"

Max. Weight: 13.5lbs

- Slim low profile design
- Performance up to 150LPW
- Tempered glass lens

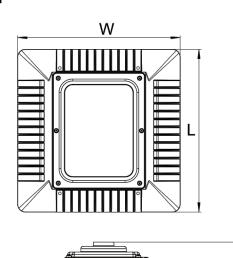
PRODUCT DESCRIPTION

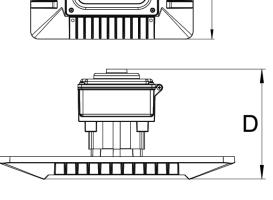
 Separate driver and special cooling design

### ELECTRICAL SYSTEM

- Input Voltage: 120-277VAC, or 347/480VAC • 50/60Hz
- Minimum ambient -40°C, maximum ambient 40°C
- Power Factor: > 0.98 at 120Vac • Total Harmonic Distortion: < 20% at full load
- Intergal 4KV surge suppression protection standard

### SPECIFICATION





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866-222-8866 info@abovealllighting.com

# **P**ERFORMANCE

CCT 3000K \ 4000K \ 5000K Dimming

0-10V Dimming Standard Projected Lifetime

L70 - 121,000 Hours Working Temperature

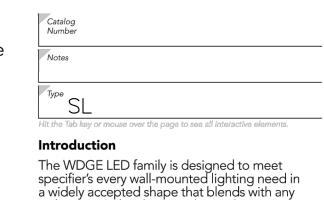
### -40-104°F (-40-40°C) Certifications

- cETLus Listed IP65 rated
- DLC Premium qualified RoHS compliant

# WDGE3 LED Architectural Wall Sconce ida BAA



WDGE LED Family Overview



ion	S		D2	a w arcl in fo
	8"			1,20 solu
	1.5"			con
	9"		/ H	ene
	18"			WD
ns)	19.5 lbs	- W	D1	12,( with ligh



	Chandrad FM 00C	C-14 FM DOSC				Lumens	(4000K)		
Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	P1	P2		P4	P5	P6
WDGE1 LED	4W			1,200	2,000				
WDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	
WDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000		
WDGE4 LED		Standalone /		12,000	16,000	18,000	20,000	22,000	25,000
Ordering	Informatio	on		E	(AMPLE: W	DGE3 LED P	3 40K 70CR	I R3 MVOLT S	SRM DDE
Ordering	Information	on		E	(AMPLE: W	DGE3 LED P	3 40K 70CR	R3 MVOLT S	SRM DDI
Ordering  Series		Color Temperature	CRI	<b>E)</b> Distribution	KAMPLE: WI	DGE3 LED P	3 40K 70CR	I R3 MVOLT S	SRM DDI
			CRI 70CRI					I R3 MVOLT S	SRM DDI
Series	Package	Color Temperature		Distribution	Voltage	Mounting Shipped includes	1 :	Shipped separately	SRM DD
Series	Package P1	Color Temperature 30K 3000K	70CRI	Distribution  R2 Type 2	Voltage MVOLT	Mounting  Shipped includes SRM Surface me	t !  bunting bracket   //	Shipped separately	ctural wall space ed back box (top,



**Specifications** 

Width:

Height H1:

Height H2:

Weight:

0.44 ft<sup>2</sup>

(0.04 m<sup>2</sup>)

26.18"

(66.5 cm)

14.06"

(35.7 cm)

NIGHTIME FRIENDLY

## SA/SB/SC/SD/SF

### 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 70% and expected service life of over 100,000 hours.

					service in	e of over 100,000	nours.
Order	ing Informa	ition	EXA	MPLE: DSX0 LED P	6 40K 70CRI T3M	1 MVOLT SPA NLT	TAIR2 PIRHN DDBXD
DSX0 LED							
Series	LEDs	Color temperature <sup>2</sup>	Color Rendering Index <sup>2</sup>	Distribution		Voltage	Mounting
DSXO LED	Forward optics P1 P5 P2 P6 P3 P7 P4 Rotated optics P101 P121 P111 P131	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare <sup>3</sup> T4M Type IV medium T4LG Type IV low glare <sup>3</sup> TFTM Forward throw medium	T5M TypeV medium T5LG TypeV low glare T5W Type V wide BLC3 Type III backlight control 3 BLC4 Type IV backlight control 3 LCCO Left corner cutoff 3 RCCO Right corner cutoff 3	MVOLT (120V-277V) <sup>4</sup> HVOLT (347V-480V) <sup>5,6</sup> XVOLT (277V-480V) <sup>7,8</sup>	Shipped included  SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole)  RPA Round pole mounting (#8 drilling, 3" min. RND pole)  SPAS Square pole mounting (#5 drilling, 3" min. SQ pole) 9"  RPAS Round pole mounting (#5 drilling, 3" min. RND pole) 5  SPASN Square narrow pole mounting (#8 drilling, 3" min. SQ pole) 3" min. SQ pole) 5  SPASN Square narrow pole mounting (#8 drilling, 3" min. SQ pole) 5  WBA Wall bracket 10

I	1 1		<u>'</u>	:	I		
Control options				Other		Finish (reg.	
Shipped install: NLTAIR2 PIRHN PIR PER PER5	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. <sup>11, 12, 18, 19</sup> High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc <sup>13, 18, 19</sup> NEMA twist-lock receptacle only (controls ordered separate) <sup>14</sup> Five-pin receptacle only (controls ordered separate) <sup>14, 19</sup>	PER7 FAO BL30 BL50 DMG	Seven-pin receptacle only (controls ordered separate) <sup>14, 19</sup> Field adjustable output <sup>15, 19</sup> Bi-level switched dimming, 30% <sup>16, 19</sup> Bi-level switched dimming, 50% <sup>16, 19</sup> 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>17</sup>	HS L90 R90 CCE	Houseside shield (black finish standard) 20 Left rotated optics 1 Right rotated optics 1 Coastal Construction 21  Red separately External Glare Shield (reversible, field install required, matches housing finish) Bird Spikes (field install required)	DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD	Dark Bronze Black Natural Aluminum White Textured dark bronze Textured black Textured natural aluminum Textured white

LITHONIA LIGHTING. One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com © 2011-2022 Acuity Brands Lighting, Inc. All rights reserved. COMMERCIAL OUTDOOR



**Specifications** 

Depth (D2):

(without options)

Width:

11.5"

**WDGE LED Family Overview** 

WDGE1 LED Visual Comfort 4W

WDGE2 LED Precision Refractive

WDGE3 LED Precision Refractive

WDGE4 LED Precision Refractive



WDGE2 LED







	Introduction
D2	The WDGE 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 a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.
	WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical

	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.								
Approximate Lumens (4000K, 80CRI)									
0		P2	P3		P5	P6			
50	1,200	2,000							
-	1,200	2,000	3,000	4,500	6,000				

12,000 | 16,000 | 18,000 | 20,000 | 22,000 | 25,000

1,200 2,000 3,200 4,200

7,500 8,500 10,000 12,000

Ordering Information				<b>EXAMPLE:</b> WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDB3					
Series	Package	Color Temperature	CRI Distribution		Voltage				
WDGE2 LED	P0 <sup>1</sup> P1 <sup>2</sup> P2 <sup>2</sup> P3 <sup>2</sup> P4 <sup>2</sup>	27K 2700K 30K 3000K 40K 4000K 50K 5000K AMB <sup>3</sup> Amber	70CRI <sup>4</sup> 80CRI LW <sup>3</sup> Limited Wavelength	T1S Type I Short T2M Type II Medium T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium	MVOLT 347 <sup>5</sup> 480 <sup>5</sup>	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>6</sup>	AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.		

Standalone / nLight

Standalone / nLight

18W

OWH  OWC  7  MG <sup>8</sup>	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)  Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)  Photocell, Button Type 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)  Bottom conduit entry for back box (PBBW). Total of 4 entry	Standalone Se PIR PIRH PIR1FC3V PIRH1FC3V	Bi-level (100/35%) motion sensor for 8-15′ mounting heights. Intended for use on switched circuits with external dusk to dawn switching.  Bi-level (100/35%) motion sensor for 15-30′ mounting heights. Intended for use on switched circuits with external dusk to dawn switching  Bi-level (100/35%) motion sensor for 8-15′ mounting heights with photocell preprogrammed for dusk to dawn operation.  Bi-level (100/35%) motion sensor for 15-30′ mounting heights with photocell pre-	DDBXD DBLXD DNAXD DWHXD DSSXD DDBTXD DBLBXD	Dark bronze Black Natural aluminum White Sandstone Textured dark bronze Textured black
.A	points.  Buy America(n) Act Compliant		programmed for dusk to dawn operation.  sensors/Controls  nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.  nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.	DNATXD DWHGXD DSSTXD	Textured natural alum Textured white Textured sandstone

COMMERCIAL OUTDOOR

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See page 4 for out of box functionality



aluminum. It can be surface mounted easily from below the canopy deck and can be pendant mounted. Direct imaging of the LEDs is eliminated with a highly efficient patterned flat or 0.91" (23mm) drop glass lens. Applications: Petroleum canopies, CNG fueling stations, soffits Performance Summary Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: Up to 21,000 Efficacy: Up to 165 LPW CRI: Minimum 70 CRI (40K, 50K, 57K); 80 CRI (30K); 90 CRI (40K, 50K) ols, the WDGE family provides Limited Warranty\*: 10 years for luminaire/10 years for Colorfast DeltaGuard® finish/5 years for BML orm distribution and optical sensor/up to 5 years for Synapse® accessories/1 year for field-installed accessories

Class I, Division 2 Hazardous Location for select models †See http://creelighting.com/warranty for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms. Accessories

Field-Installed Direct Mount Luminaires **Pendant Mount Luminaires** Pendant Mount Kits XA-PS12KIT\* – 5" (127mm) pendant XA-PS18KIT\* – 11" (279mm) pendant Canopy Upgrade Kits (18 ga. steel, except where noted) CPY-AP304\* - for use with Cree Lighting CAN-304 luminaires, 16 ga. 5052 XA-BXCCM+ – for use with Jet-Philips, 21.60" (549mm) square XA-PS22KIT\* - 15" (381mm) pendan XA-BXCCN+ – for use with Elsco Franciscan, 22.06" (560mm) square XA-BXCCP+ – for use with LSI Dakota or Masters, 22.50" (572mm) square 3/4-14 NPT pipe threaded on two XA-BXCCQ+ - for use with Whiteway Riviera or Rig-A-Lite, 20.60" [523mm] Synapse® SimplySnap 10V Interface square
XA-BXCCR+ – for use with Elsco Merrit, 18.06" (459mm) square
XA-BXCCS+ – for use with LSI Richmond or Whiteway Civic, 23.00" (584mm) L

x 13.00" (330mm) W Direct Mount Junction Box/Stem Kit XA-BXCCJBOX - 6.0" (152mm) H x 3/4" (19mm) NPT Stem - Watertight - Rated for feed through 8 (4 in, 4 out) #12 AWC conductors Direct Mount Beauty Plates XA-BXCCBP+ - 26.17" (665mm) Beauty Plate Only (18 ga. steel) XA-BXCCBPB12+ - 26.17" (665mm) Beauty Plate (18 ga. steel) w/12" (305mm) Backer Plate (16 ga. steel)

- For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminaire. Maximum deck opening 10.75" x 15" [183mm x 375mm] XA-BXCCBPB16+ - 26.17" (665mm) Beauty Plate (18 ga. steel) w/16" (406mm)

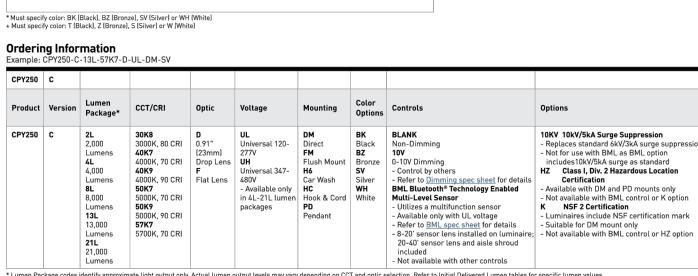
AADACOBY Plate [16 ga. steet]

- For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminaire. Maximum deck opening 12" x 15"

[305mm x 375mm]

\*Must specify color: BK (Black), BZ (Bronze), SV (Silver) or WH (White) + Must specify color: T (Black), Z (Bronze), S (Silver) or W (White)

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- 120V-277V

complete system

- Requires other Synapse components to

- Refer to DIM10-220F spec sheet for

A/B

Drop Lens

Gasket to Seal up to 4.25" (108mm) Canopy Cutout

Mounts with (4) Supplied Self-Sealing Sheet Metal Screws

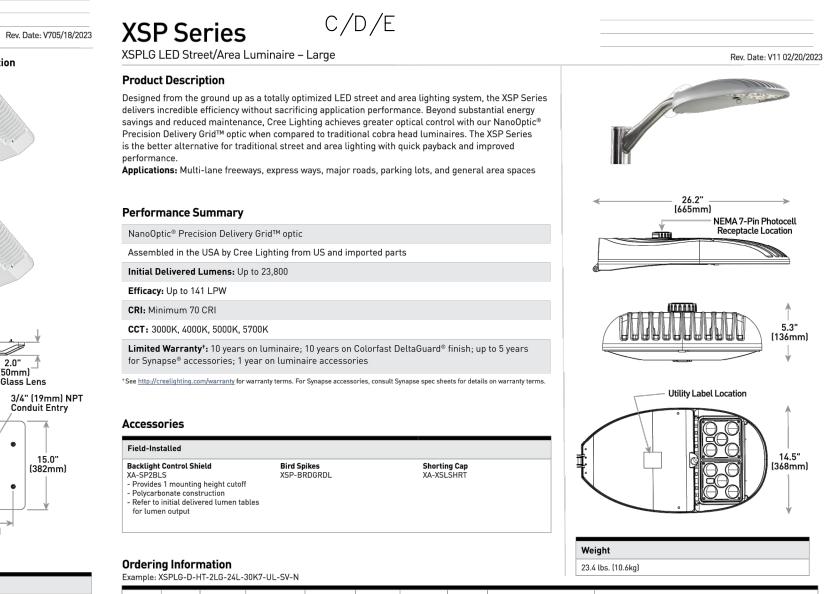
12.5 lbs. (5.7kg) Refer to Page 4 for additional mount 3/4" (19mm) NPT Conduit Entry

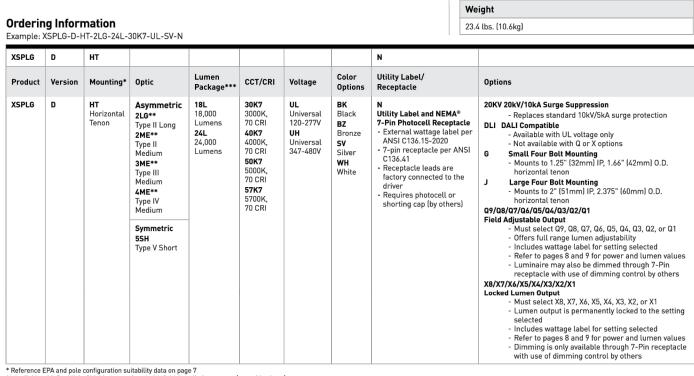
11.0"—> (279mm)

DM Mount / DM Mount with HZ Option



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**CREE** \$\dightarrow\$ LIGHTING

CORE/WL 6 ROUND, WET LOCATION, DIRECT ILLUMINATION



SPECIFICATION	DNS	DISTRIBUTION	S & PROFILES	i	
PROFILE	Round				
SIZE	6" diameter				
LED OUTPUT	700lm - 4,000lm	10°	20°	40° 60°	80°
CCT/CRI	2700K/3000K/3500K/4000K • 83 CRI or 98 CRI				
DIMMING/ DRIVER	Internal, Canopy, and Remote Driver: 0-10V, Phase, DALI, DMX, eldoLED, Lutron®. Dimming to 0% for select models.	CORE/WL 6 PENDANT	CORE/WL 6 SURFACE MOUNT	CORE/WL 6 SCONCE	CORE/WL 6 YOKE
POWER	5.6W to 39.1W per fixture				
INPUT	100VAC to 277VAC Phase dimmable versions are 120VAC only.				
OPTICS	10° - 80° distribution spun aluminum reflectors. Field replaceable without tools.				
FINISHES	Powder coat - TGIC polyester for exterior and interior use	CORE/WL 6 PENDANT	CORE/WL 6 SURFACE MOUNT	CORE/WL 6 SCONCE	CORE/WL 6 YOKE
MATERIAL	Extruded aluminum with stainless steel hardware	15.4" (L)	15.4" (L)	9" (L)	9.8"
ENVIRONMENT	Wet location, IP66 rated LED module	6.1" (S)	6.1" (S)	5° (S) 6.1" (S)	15.4" (L) 6.1" (S)
WELL	For UGR values and recommended options that contribute to meeting the WELL Building Standard $^{\text{TM}}$ see WELL addendum.	Not to scale. Dimension	s are nominal. Consult fac	ctory for CAD drawing	J. (,)
*Safety and Performance information available on last page. Output and other specifications available on page 6.					

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ELLIOTT

Project No: 11/16/2022 Drawn By: Reviewed By EXTERIOR LIGHTING

Sheet No.: **EO.3** 

**CUT SHEETS** 

Project Number: 22713 | Project Manager: HK

**CORE/WL 6 - SPECIFICATIONS ROUND, WET LOCATION, DIRECT ILLUMINATION** 

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