VICINITY MAP

ELLIOT ROAD

WARNER ROAD

HAWES ROAD

LOOP 202
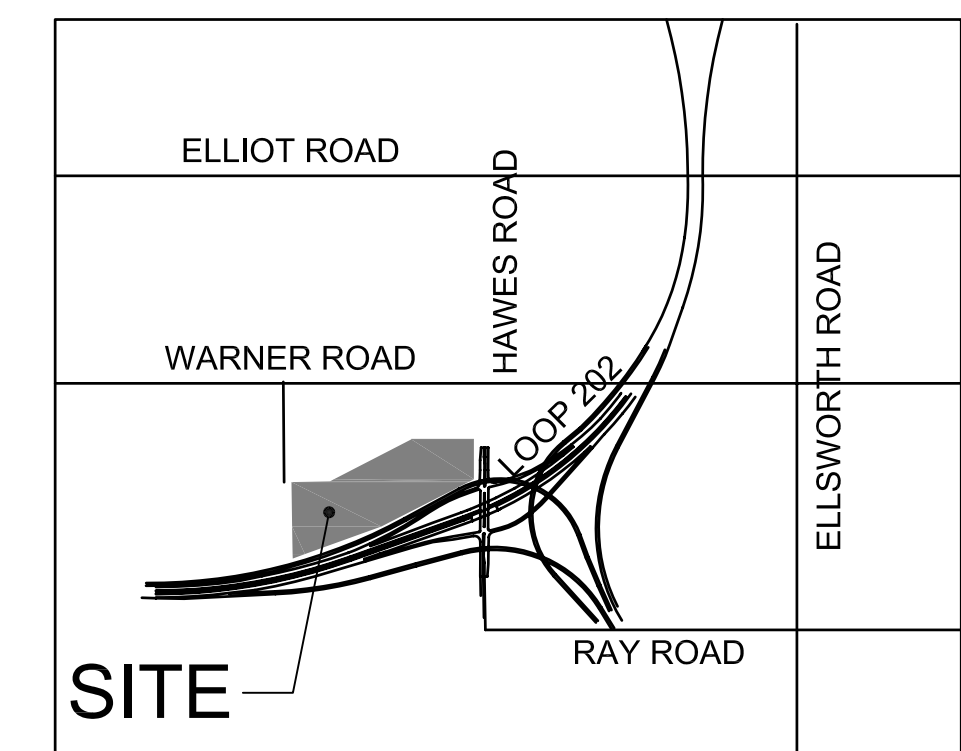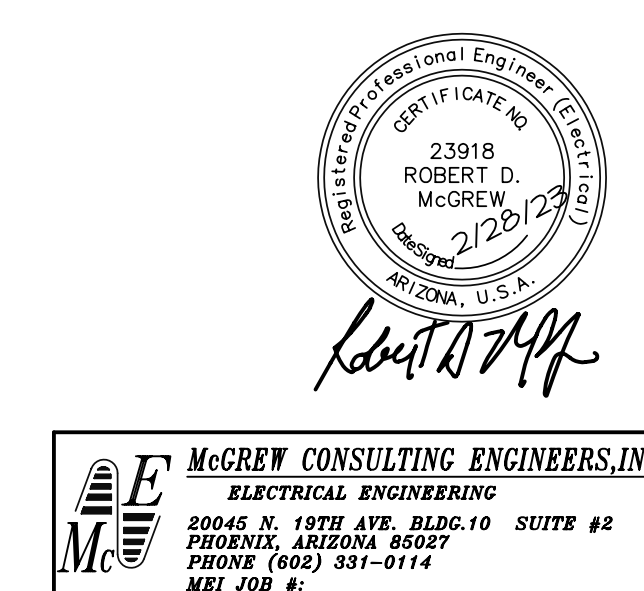
ELLSWORTH ROAD

SITE

RAY ROAD

LIGHTING SITE PLAN

GATEWAY INTERCHANGE
N.W.C. Loop 202 & Hawes Road
Proposed Industrial Development
Mesa, Arizona
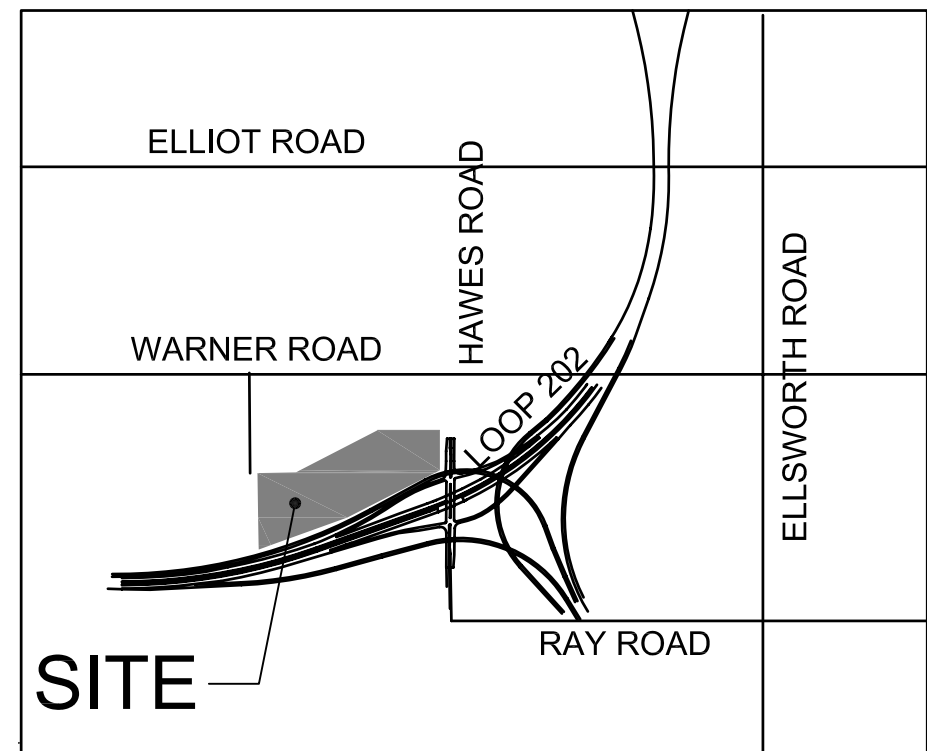
EastGroup
P R O P E R T I E S

E0.1
LIGHTING SITE PLAN
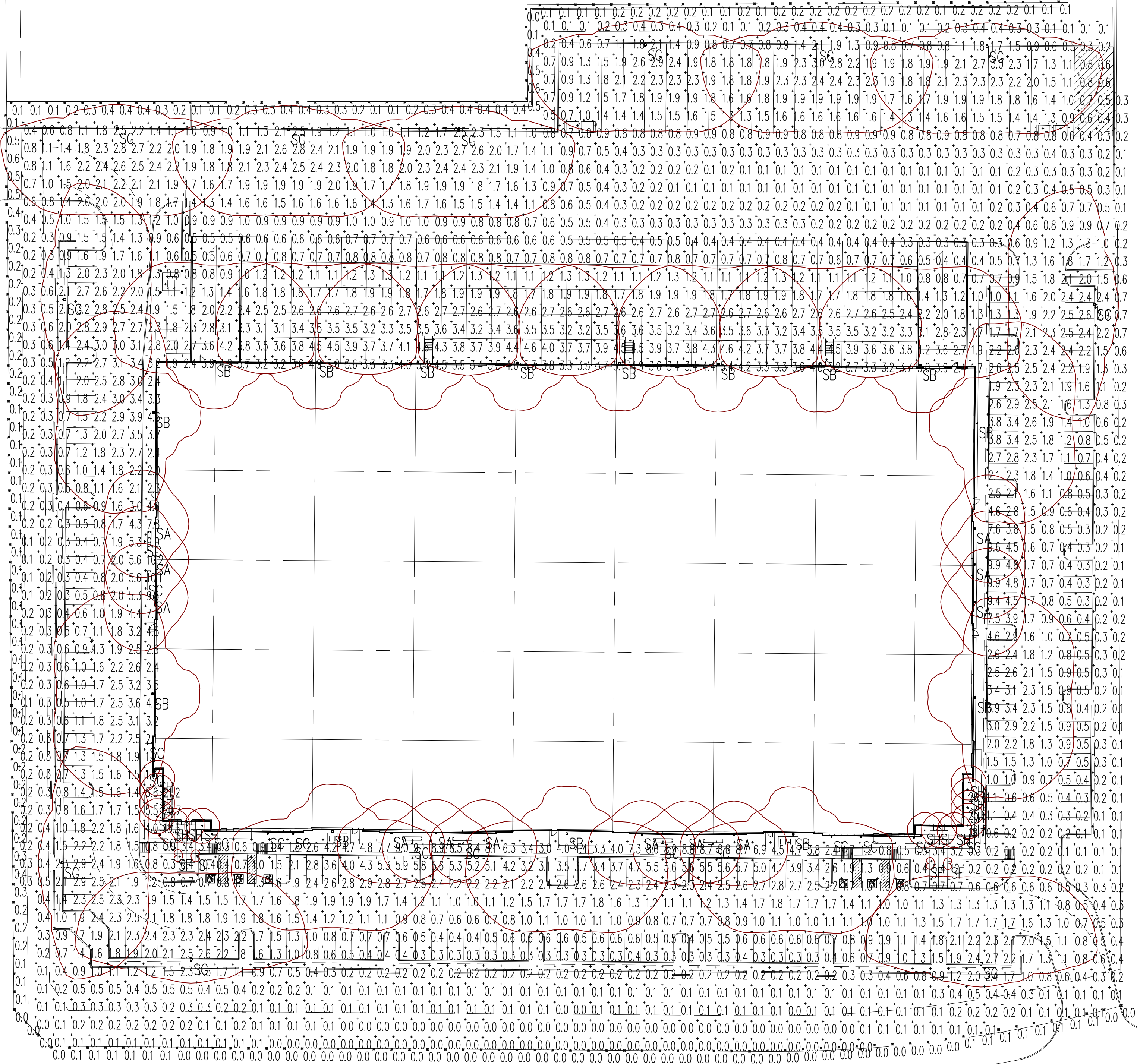
Butler Design Group, Inc
architects & planners

VICINITY MAP

ELLIOT ROAD

HAWES ROAD

WARNER ROAD

LOOP 202

ELLSWORTH ROAD

RAY ROAD

SITE

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PROPERTY LINE	✕	0.1 fc	3.6 fc	0.0 fc	N/A	N/A
ONSITE FC	+	1.5 fc	26.4 fc	0.0 fc	N/A	N/A

Schedule

Symbol	Label	QTY	Manufacturer	Catalog	Description	Lamp	Number Lamps	Lamp Output	Intensity Multiplier	LLF	Total Output	Input Power
	SA	12	LITHONIA	WPX2 LED 40K MVOLT (FINISH)	WPX2 LED wallpack 6000lm 4000K color temperature 120-277 Volt, MOUNTED AT 15'	LED 4000k	1	5896	1	0.91	5896	47.77
	SB	15	LITHONIA	DSX1 LED P4 40K T4M MVOLT WBA	DSX1 LED P4 40K T4M MVOLT, MOUNTED AT 20'	LED 4000k	1	14181	1	0.91	14181	125
○	SC	16	WAC	5011 27 BZ (60 DEGREE MAX)	SPOT AT GRADE	LED 2700K	1	1034	1	0.91	1034	16.7
	SD	0	STRUCTURA	LIN-M1075-UNV-L30-4-C(X)-XX-XX-STD	Structure Inc. - Pole mount roadway luminaire. Product ID: LIN-M1075-UNV-L30-4-C(X)-XX-XX-STD Black painted extruded aluminum housing, 12 LEDs In one 6 x 2 array with sheet of clear plastic Individual lenses, One Phillps Advance Xitmixm LED driver, Model X099SC270V054BSS1 Operating at 120 VAC and 60 Hz.	LED 3000K	12	340	1	0.91	4082	40.3
	SF	4	SONNEMANN	7342,72 WL	AT 2'	LED	1	184	1	0.91	184	11.2
	SG	11	LITHONIA	DSX1 LED P4 40K T3M MVOLT SPA HS (FINISH) / SSS 22.0' POLE WITH 2.0' BASE	DSX1 LED P4 40K T3M MVOLT with houseside shield, MOUNTED AT 25'	LED 4000K	1	11404	1	0.91	11404	125
○	SH	14	ALW	C35M D W 20 83 4 60	CORE 3, CYLINDER DOWNLIGHT	LED 4000K	1	2161	1	0.91	2161	15.9

PHOTOMETRIC SITE PLAN

GATEWAY INTERCHANGE
N.W.C. Loop 202 & Hawes Road
Proposed Industrial Development
Mesa, Arizona

E0.2
LIGHTING SITE PLAN

McGREW CONSULTING ENGINEERS,INC
ELECTRICAL ENGINEERING
20045 N. 19TH AVE. BLDG.10 SUITE #2
PHOENIX, ARIZONA 85027
PHONE (602) 331-0114
MEI JOB #:

CERTIFICATE NO.
23918
ROBERT D. McGREW
Butler Design Group, Inc
architects & planners

WPX LED
Wall Packs

CSA / IP66 / DLC / DLC / 5yr warranty / IDA / NIGHTTIME FRIENDLY / 20

Specifications

Front View / Side View

Side Conduit Location

Luminaire	Height (H)	Width (W)	Depth (D)	A	B	Weight
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.1 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.5" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	3.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	13.0 lbs (5.9kg)

Introduction
The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information
EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1 — 1,550 Lumens, 13W¹	30K — 3000K	MVOLT — 120V - 277V	(blank) — None	DDBXD — Dark bronze
WPX1 LED P2 — 2,900 Lumens, 24W	40K — 4000K	347 — 347V²	F4WH — Emergency battery backup, CEC compliant (40W, 0°C min)³	DWHXD — White
WPX2 LED — 6,000 Lumens, 42W	50K — 5000K		E14WC — Emergency battery backup, CEC compliant (14W, -20°C min)³	DBLXD — Black
WPX3 LED — 9,200 Lumens, 69W			PE — Photocell⁴	Note - For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

FEATURES & SPECIFICATIONS

INTENDED USE
The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION
WPX features a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L70/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection). All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION
WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are 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 www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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.

LITHONIA LIGHTING
COMMERCIAL OUTDOOR
One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2020-2021 Acuity Brands Lighting, Inc. All rights reserved.
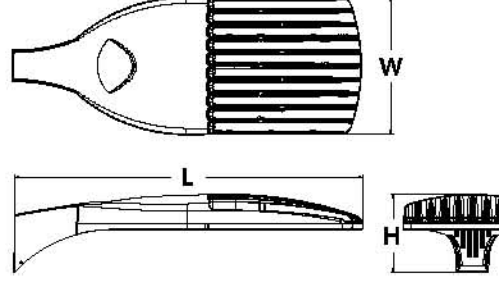WPX LED
Rev. 08/31/21

SA

D-Series Size 1
LED Area Luminaire

d-series

DLC / IDA / Lighting Facts

Specifications

EPA:	1.01 ft²
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height:	7-1/2" (19.0 cm)
Weight (max):	27 lbs (12.2kg)

CSA+ 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

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately.

A+ Capable options indicated by this color background.

Ordering Information
EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA DDBXD

DSX1 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P4 P7 / P2 P5 P8 / P3 P6 P9 / P10² A9MEPC	30K — 3000K / 40K — 4000K / 50K — 5000K / AMBPC — Amber phosphor converted⁴	T1S — Type I short / 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	MVOLT¹ / 120¹ / 208¹⁹ / 240¹⁹ / 277¹⁹ / 347⁹ / 480⁹	**Shipped included** SPA — Square pole mounting / RPA — Round pole mounting / WBA — Wall bracket / SPUMBA — Square pole universal mounting adaptor⁷ / RPUMBA — Round pole universal mounting adaptor⁷ **Shipped separately** KMA8 DDBXD U — Mast arm mounting bracket adaptor (specify finish)⁸
	Rated optics P7⁴ P12¹ / P11¹ P13⁵		T5S — Type V short / T5M — Type V medium / BLC — Backlight control¹² / LCCO — Left corner cutoff¹² / RCCO — Right corner cutoff¹²		

Control options		Other options		Finish (required)
Shipped installed NLTAIR2 — nLight AIR generation 2 enabled¹⁴ / PER — NEMA twist-lock receptacle only (controls ordered separately)¹⁵ / PER5 — Five-wire receptacle only (controls ordered separately)¹⁶,¹⁸ / PER7 — Seven-wire receptacle only (controls ordered separately)¹⁶,¹⁸ / DMG — 0-10V dimming extend out back of housing (for external control) (leads exit fixture) / DS — Dual switching ¹⁶ / PIR — Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ¹,¹⁶,¹⁷ / PIRH — Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹,¹⁶,¹⁷ / PIRIN — Network, Bi-Level motion/ambient sensor⁶⁷ / PIRH1FC3V — Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹,¹⁶,¹⁷	PIRH1FC7V — Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ¹,¹⁶,¹⁷ / BL30 — Bi-level, switched dimming, 30% ⁵,¹⁶,¹⁸ / BL50 — Bi-level switched dimming, 50% ⁵,¹⁶,¹⁸ / PNMTDD3 — Part night, dim till dawn ⁵,¹⁸ / PNMT5D3 — Part night, dim 5 hrs ⁵,¹⁸ / PNMT6D3 — Part night, dim 6 hrs ⁵,¹⁸ / PNMT7D3 — Part night, dim 7 hrs ⁵,¹⁸ / FAO — Field adjustable output⁵	**Shipped installed** HS — House-side shield¹² / SF — Single fuse (120, 277, 347V)¹⁹ / DF — Double fuse (208, 240, 480V)¹⁹ / L90 — Left rotated optics² / R90 — Right rotated optics² **Shipped separately** BS — Bird spikes¹⁰ / EGS — External glass shield¹²		DDBXD — Dark bronze / DBLXD — Black / DNAXD — Natural aluminum / DWHXD — White / DDBTXD — Textured dark bronze / DBLBXD — Textured black / DNATXD — Textured natural aluminum / DWHGXD — Textured white

LITHONIA LIGHTING
DSX1 LED
Rev. 07/25/18
Page 1 of 7

SB, SG

ACCENT 12V
5011

WAC
LANDSCAPE LIGHTING

Fixture Type:	
Catalog Number:	
Project:	
Location:	

2⅞" / 6¼" / 6¼"

PRODUCT DESCRIPTION
Landscape accent luminaire. One fixture replaces all older halogen landscape accent lights.

FEATURES
- Adjustable and lockable beam angle
- Integral dimmer
- IP66 rated, Protected against high-pressure water jets
- Includes a detachable shroud
- Solid diecast brass or corrosion resistant aluminum
- Factory sealed water tight fixtures
- Mounting stake, 6 lead wire and direct burial gel filled wire nuts included
- Maintains constant lumen output against voltage drop
- UL 1838 Listed
- Not suitable to use with external dimmers

SPECIFICATIONS
Input:	9 - 15VAC (Transformer is required)
Power:	2W to 16W / 2VA - 23VA
Brightness:	190 lm to 1045 lm
Beam Angle:	10° to 60°
CRI:	85
Rated Life:	70,000 hours

ORDERING NUMBER

		Color Temp	Finish	
5011	Accent 12V	27 — 2700K	BK — Black on Aluminum	
		30 — 3000K	BZ — Bronze on Aluminum	
			BBR — Bronze on Brass	

5011-_____
Example: 5011-30BBR

waclighting.com
Phone (800) 526.2588 / Fax (800) 526.2585
Headquarters/Eastern Distribution Center 44 Harbor Park Drive, Port Washington, NY 11050
Central Distribution Center 1600 Distribution Ct, Lithia Springs, GA 30122
Western Distribution Center 1750 Archibald Avenue, Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. OCT 11 2018

SC

CORE 300 SX
SURFACE MOUNT

ALW

PROJECT

Job		Notes	
Type			
Part #			

SPECIFICATIONS
Source	Xicato XTM LED module - up to 3000 lumens
CCT	2700K, 3000K, 3500K or 4000K
Color Consistency	1x2 SDCM (MacAdam) along BBL, CCT +/- 40K to 70K, Duv +/- .001
CRI (Ra)	83 or 98
Driver / Location	Included / Remote mount or deep canopy options
Dimming	0-10V or phase dimming to 10% standard; DALI, DMX and 1% dimming available
Input Voltage	100 to 277VAC, phase dimmable versions are 120VAC only
Power	Up to 36 watts max, depending on LED module / driver
Reflector	20°, 40° or 60° - field replaceable without tools
Material	CNC machined aluminum with stainless steel hardware
Finish	Powder coat - TGIC polyester for exterior and interior use
Weight	4 lb. [1.8 kg]
Location	Listed for Wet & Damp locations
Approvals	ETL Listed to UL 1598, 2108, 8750 and CSA C22.2# 9 & #250.0
L80 Life	> 50,000 hours at 89% lumen maintenance based on IESNA LM-80-08
Warranty	Lifetime Limited Warranty - see warranty for details
IES Files	LM-79-08 IES files available
Modifications	Any modification or customization is possible - consult factory

LED / INDOOR OUTDOOR / WET LOCATION / DIMMABLE / XICATO / TITLE 24 / ETL

ORDERING LOGIC

Model	Driver Location	Dimming	Mounting Location	Output	CRI *	C.C.T.	Reflector	Shell	Options
C3SM —	R-Remote	N-None	D-Damp	07-700 lm	83-83	27-2700K	20-20°	SS —	xx — (spec page 4)
	D-Deep	P-Phase	W-Wet	10-1000 lm	98-98*	30-3000K	40-40°		
	Z-Other	V-0-10V		13-1300 lm		35-3500K	60-60°		ZZ-Custom
				20-2000 lm		40-4000K			
				30-3000 lm					

* 98 CRI not available in 3000 lumens

Example Part Number: C3SM-NND-20832740-S3
C3SM: 300 SX Surface Mount - Remote Driver, NN: No Dimming, D: Damp Location - 2000 lm, 83: CRI, 2700K, 40° Reflector - S3: Red Shell

Options highlighted in green = QuickShip qualifying option. For the entire luminaire configuration to be QuickShip-eligible, ALL options specified in the configuration must be ones highlighted green. NOTE: Maximum of 100 cylinders of Quickship-eligible product per order.

A 1035 22nd Avenue, Unit 1 - Oakland, CA 94606 / P 510.489.2530 / E TalkToUs@alwusa.com / W alwusa.com
rev 210121

SH

7342 Box 22" LED Bollard
inside | out®
For Indoor and Outdoor Locations

Dimensions:
Height:	22"
Width:	3 ½"
Depth:	3 ¼"

Description:
Shade:	Diecast Aluminum — 4 ½" x 3 ½" w x 2" □
Base:	¼" □ x 5 ½" w x 3 ¼" □
	Non-Dimming
	WET LOCATION

Lamping Options:
LED: 10w, 1020 Lumens (645 Net Lumens)
Warm White (3000K), 90 CRI
12VAC Input

Available Finishes:
Textured Bronze — **7342.72-WL**
Textured Gray — **7342.74-WL**

12VAC Power supply required, sold separately. Consult Website for requirements and available options.

3 ½" / 3 ½" / 4 ½" / 22"

SONNEMAN — A WAY OF LIGHT

ETL Intertek

SF

GATEWAY INTERCHANGE
N.W.C. Loop 202 & Hawes Road
Proposed Industrial Development
Mesa, Arizona

E0.3
FIXTURE CUT SHEET