

November 02, 2020

RE: ETO Chicago commitment to Saddle Ridge HOA

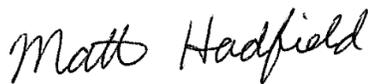
To the Saddle Ridge Homeowners Association:

ETO Chicago LLC (ETO) intends to refurbish the property located at 6N518 IL Route 25, St Charles, IL, 60184. Saddle Ridge HOA (SRHOA) represents the residential neighborhood adjacent to ETO's property along the South and West property lines. This letter and the enclosed documents demonstrate ETO's commitment to making the outcome of this project safe and aesthetically pleasing for the residents of SRHOA. Although specific details of this project are yet to be determined, the following are key points related to the neighborly partnership between ETO and SRHOA:

- 1) **Privacy fence:** ETO will provide/install a privacy fence along the South and West sides of the new South parking lot with a minimum distance of 10 feet from the neighbor's fence along the South property (property address 6N489 Valley Circle, St Charles, IL 60174). This fence will be of like structure using Cedar or pressure treated lumber for durability. See attached site plan revision.
- 2) **Landscaping:** ETO will provide/install a total of 15 trees along the South and West sides of the new privacy fence described above. These trees will be a mix of Maple, Crab and Evergreen trees. These trees will be placed on ETO's property. ETO will maintain the landscaping up to its West and South property lines. See attached site plan revision.
- 3) **Parking lot lighting:** ETO will install parking lot lighting per the attached photometric plan and lighting specs. Parking lot lighting will be turned off by 10:00pm nightly unless employee safety dictates they be on later.
- 4) **Water/Sewer connection:** ETO is investigating potential locations to connect to municipal water and sewer service. Fox Valley Water Reclamation District is the sewer provider. According to Beth Vogt with FVWRD, there is a sewer stub already installed on the east side of Valley Circle, behind ETO's building. Aqua Illinois is the water supplier. The water connection will be off the existing hydrant located on the east side of Valley Circle on SRHOA's property. ETO will return any disrupted landscaping to its original condition. SRHOA water supply and service will not be disrupted by this connection according to Elizabeth Penesis, Aqua Illinois representative. See the attached water and sewer connection proposal for locations of both.

ETO appreciates SRHOA's willingness to cooperate for this project and looks forward to improving its property for the sake of everyone working and living in the area.

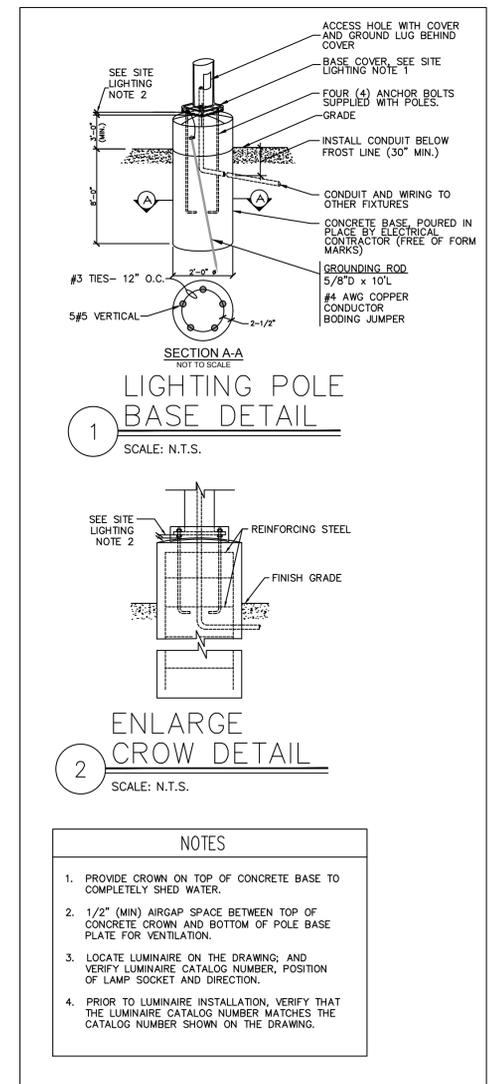
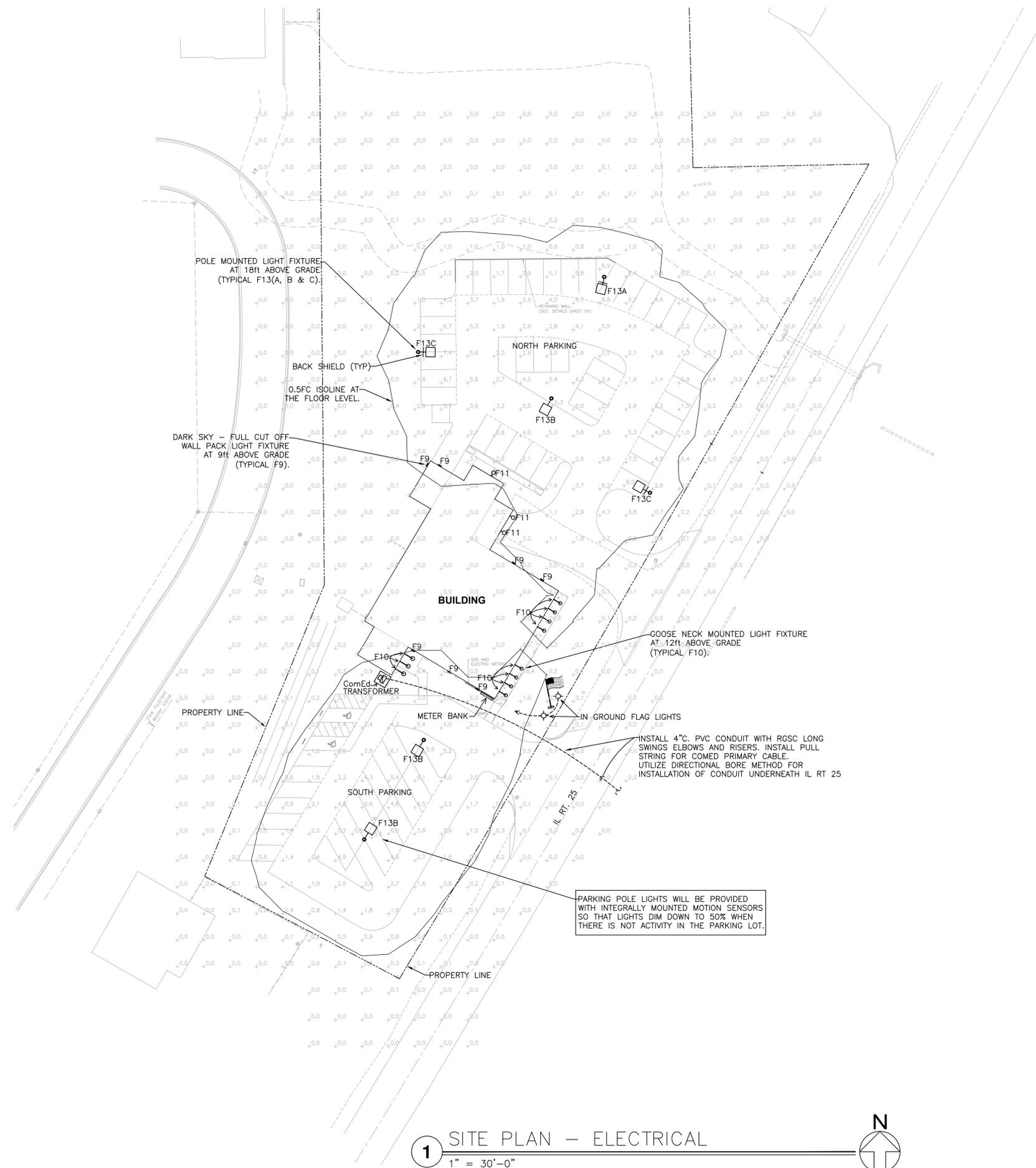
Sincerely,



Matt Hadfield, CEO

ETO Chicago, LLC (dba Mosquito Authority of Chicago)

630-708-8284



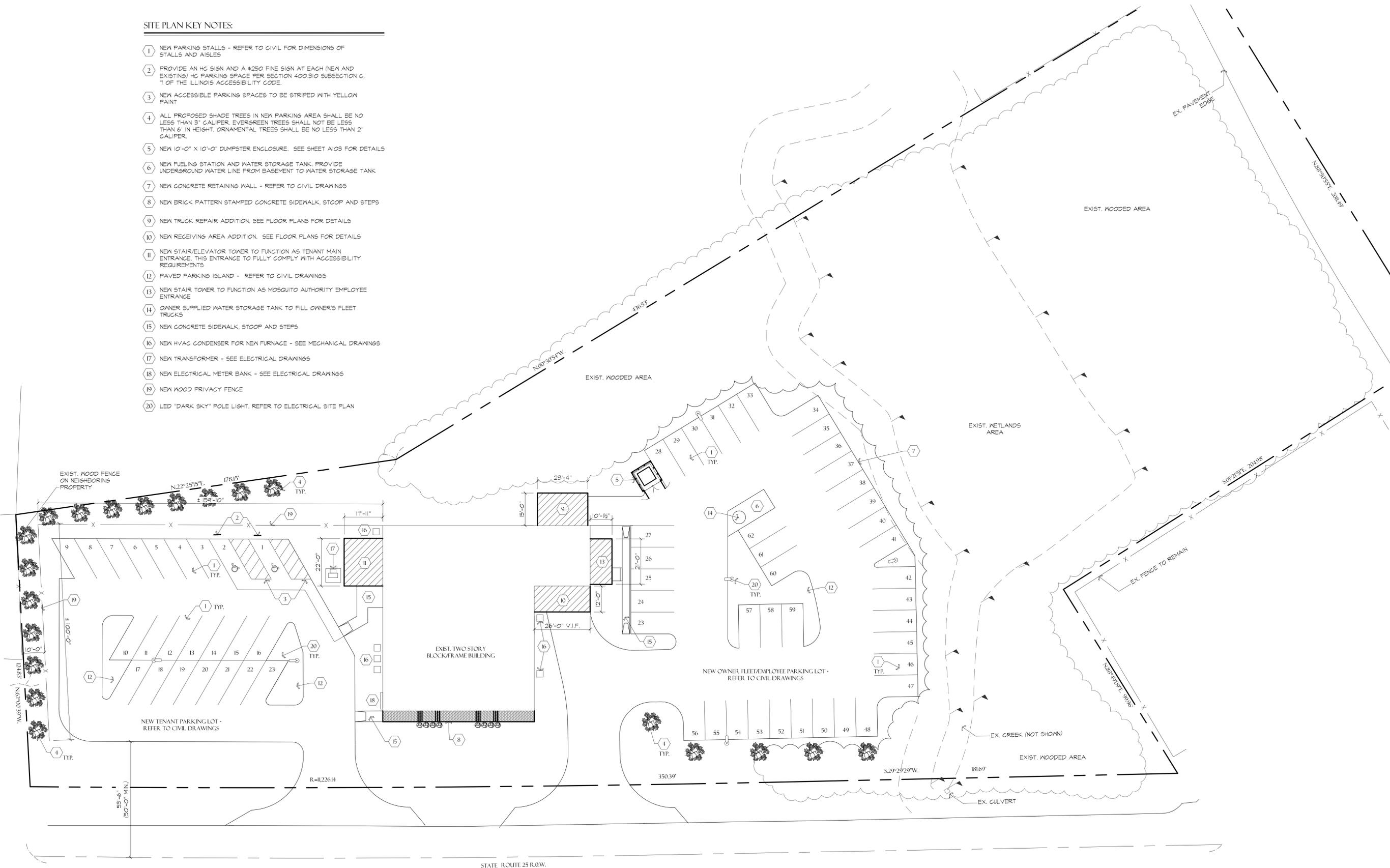
**PARKING AREA STATISTICS**

Description	Avg	Max	Min	Max/Min	Avg/Min
PARKING NORTH	3.5fc	8.8fc	0.6fc	14.7:1	5.8:1
PARKING SOUTH	3.0fc	6.4fc	0.5fc	12.8:1	4.8:1

**1** SITE PLAN - ELECTRICAL  
1" = 30'-0"

SITE PLAN KEY NOTES:

- 1 NEW PARKING STALLS - REFER TO CIVIL FOR DIMENSIONS OF STALLS AND AISLES
- 2 PROVIDE AN HC SIGN AND A #250 FINE SIGN AT EACH (NEW AND EXISTING) HC PARKING SPACE PER SECTION 400.310 SUBSECTION C, 1 OF THE ILLINOIS ACCESSIBILITY CODE.
- 3 NEW ACCESSIBLE PARKING SPACES TO BE STRIPED WITH YELLOW PAINT
- 4 ALL PROPOSED SHADE TREES IN NEW PARKING AREA SHALL BE NO LESS THAN 3" CALIPER. EVERGREEN TREES SHALL NOT BE LESS THAN 6" IN HEIGHT. ORNAMENTAL TREES SHALL BE NO LESS THAN 2" CALIPER.
- 5 NEW 10'-0" X 10'-0" DUMPSTER ENCLOSURE. SEE SHEET A103 FOR DETAILS
- 6 NEW FUELING STATION AND WATER STORAGE TANK. PROVIDE UNDERGROUND WATER LINE FROM BASEMENT TO WATER STORAGE TANK
- 7 NEW CONCRETE RETAINING WALL - REFER TO CIVIL DRAWINGS
- 8 NEW BRICK PATTERN STAMPED CONCRETE SIDEWALK, STOOP AND STEPS
- 9 NEW TRUCK REPAIR ADDITION. SEE FLOOR PLANS FOR DETAILS
- 10 NEW RECEIVING AREA ADDITION. SEE FLOOR PLANS FOR DETAILS
- 11 NEW STAIR/ELEVATOR TOWER TO FUNCTION AS TENANT MAIN ENTRANCE. THIS ENTRANCE TO FULLY COMPLY WITH ACCESSIBILITY REQUIREMENTS
- 12 PAVED PARKING ISLAND - REFER TO CIVIL DRAWINGS
- 13 NEW STAIR TOWER TO FUNCTION AS MOSQUITO AUTHORITY EMPLOYEE ENTRANCE
- 14 OWNER SUPPLIED WATER STORAGE TANK TO FILL OWNER'S FLEET TRUCKS
- 15 NEW CONCRETE SIDEWALK, STOOP AND STEPS
- 16 NEW HVAC CONDENSER FOR NEW FURNACE - SEE MECHANICAL DRAWINGS
- 17 NEW TRANSFORMER - SEE ELECTRICAL DRAWINGS
- 18 NEW ELECTRICAL METER BANK - SEE ELECTRICAL DRAWINGS
- 19 NEW WOOD PRIVACY FENCE
- 20 LED "DARK SKY" POLE LIGHT. REFER TO ELECTRICAL SITE PLAN



ARCHITECTURAL SITE PLAN

SCALE: 1" = 20'-0"

REVISED 9-16-20

NORTH



MGH Consulting Engineers, LLC

409 S. Highland Ave., Arlington Heights, IL 60005  
mhernandez@mgheengineering.com Phone: 773.314.7819

PROJECT:  
19008

MULTI-TENANT COMMERCIAL BUILDING  
INTERIOR AND EXTERIOR IMPROVEMENTS  
6NS18 IL RT. 25, ST. CHARLES, IL 60174

BATIR  
BATIR ARCHITECTURE, LTD.  
1121 E. MAIN ST. SUITE 220, ST. CHARLES, IL 60174  
PHONE: 630-513-5109 FAX: 630-513-5919  
WWW.BATIRARCH.COM

LIGHT FIXTURE  
SCHEDULE

ISSUED:

05-04-2020  
ISSUED FOR BID  
09-16-20  
ISSUED FOR PARKING  
PHOTOMETRIC

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SCALE  
AS NOTED  
UNLESS NOTED OTHERWISE

E400

### LIGHTING FIXTURE SCHEDULE

FIXTURE TAG	SYMBOL	MANUFACTURER	MODEL NUMBER	LAMPS	VOLTAGE	WATTAGE	MOUNTING	NOTES
F1		COOPER HUBBELL LITHONIA	SIMILAR TO LITHONIA: CSS L96 AL04 MVOLT 35K 80 CRI	LED 8271lm 3500K-80CRI	120V-277V	63W	SURFACE	8ft LED STRIP.
F2		COOPER HUBBELL LITHONIA	20" DIA. LED SURFACE MOUNTED AS SELECT BY ARCHITECT AND OWNER	LED	120V-277V	20W	SURFACE	20" DIA LED SURFACE MOUNTED
F3		COOPER	CORELITE DWI-WD-40L-835-1D-UNV-STD WM-4	LED 4021lm 3500K-80CRI	120V-277V	31.8W	WALL	4' LED WALL MOUNTED, BOTTOM OF FIXTURE 80" MIN. A.F.F. FINISH COLOR TO SELECT BY ARCHITECT
F4		COOPER HUBBELL LITHONIA	LED CHANDELIER. AS SELECT BY ARCHITECT AND OWNER	(12)LED 7W EACH	120V	84W	PENDANT	LED CHANDELIER. BOTTOM OF LUMINARY AT 96" A.F.F.
F5		COOPER HUBBELL LITHONIA	SIMILAR TO LITHONIA: WL2-22L-MVOLT-LP835-MSD7	LED 2200lm 3500K-80CRI	120V-277V	21W	WALL	2FT LED WALL BRACKET WITH INTEGRALLY MOUNTED OCC. SENSOR
F6		COOPER	CORELITE DRI-WS-4L35-UNV-22-T1-STD	LED 4000lm 3500K-85CRI	120V-277V	29W	RECESSED	2X2 LED RECESSED FINISH COLOR TO SELECT BY ARCHITECT
F7		COOPER HUBBELL LITHONIA	SIMILAR TO CORELITE: DSI-WD-40L835-1D-UNV-STD-FC W-AC48-XX'	LED 4000lm 3500K-80CRI	120V-277V	60W/8FT	PENDANT	LED PENDANT MOUNTED. FINISHED AND SHIELDING AS SELECTED BY ARCHITECT. LENGTH AS INDICATED IN DRAWINGS. PROVIDE CONTINUOUS ROWS AS MUCH AS POSSIBLE
F8		COOPER HUBBELL LITHONIA	(3) LED LAMPS VANITY FIXTURE. AS SELECT BY ARCHITECT AND OWNER	LED	120V	(3)60W RATED USE (3)7W LED	WALL	VANITY BATHROOMS
F9		COOPER HUBBELL LITHONIA	DARK SKY - FULL CUT OFF LED EXTERIOR WALL PACK SIMILAR TO: LITHONIA - WPX LED P1 40K MVOLT	LED 1400lm 4000K-70CRI	120V-277V	11W	WALL	DARK SKY - FULL CUT OFF LED EXTERIOR WALL PACK
F9A		COOPER HUBBELL LITHONIA	LED EXTERIOR WALL PACK	LED 3000lm 4000K-70CRI	120V-277V	23W	WALL	LED EXTERIOR WALL PACK
F10		COOPER HUBBELL LITHONIA	LED EXTERIOR GOOSENECK. AS SELECT BY ARCHITECT AND OWNER	LED	120V	60W RATED USE 20W LED	WALL	LED EXTERIOR GOOSENECK
F11		COOPER HUBBELL LITHONIA	LED EXTERIOR WALL SCONCE. AS SELECT BY ARCHITECT AND OWNER	LED 700lm 3000K-80CRI	120V-277V	17W	WALL	LED EXTERIOR WALL SCONCE
F12		LITHONIA LIGHTING	CSS L48 AL03 MVOLT 35K 80CRI	LED 4135lm-3500K-80CRI	120V-277V	31.7W	SURFACE	4' LED SURFACE MOUNTED
F13A		COOPER HUBBELL LITHONIA	SIMILAR TO: DSX2 LED P2 40K T2M MVOLT HS - MOTION SENSOR TO DIM DOWN TO 50% OUTPUT WHEN THERE IS NOT ACTIVITY IN PARKING LOT	LED 4000lm-4000K-70CRI	120V-277V	185W	POLE	(1) POLE LIGHT, 15FT POLE, WITH 1 POLE HEAD, DRILLING PATTERN AS REQUIRED BY POLE HEAD, COLOR AS SELECTED BY OWNER. PROVIDE 15FT POLE WITH VIBRATION DAMPERS AND GROUND LUG CONNECTION. POLE SHALL WITHSTAND WEIGHT AND E.P.A FOR 90M WIND.
F13B		COOPER HUBBELL LITHONIA	SIMILAR TO: DSX2 LED P2 40K T5M MVOLT - MOTION SENSOR TO DIM DOWN TO 50% OUTPUT WHEN THERE IS NOT ACTIVITY IN PARKING LOT	LED 4000lm-4000K-70CRI	120V-277V	185W	POLE	(1) POLE LIGHT, 15FT POLE, WITH 1 POLE HEAD, DRILLING PATTERN AS REQUIRED BY POLE HEAD, COLOR AS SELECTED BY OWNER. PROVIDE 15FT POLE WITH VIBRATION DAMPERS AND GROUND LUG CONNECTION. POLE SHALL WITHSTAND WEIGHT AND E.P.A FOR 90M WIND.
F13C		COOPER HUBBELL LITHONIA	SIMILAR TO: DSX2 LED P2 40K T3M MVOLT HS - MOTION SENSOR TO DIM DOWN TO 50% OUTPUT WHEN THERE IS NOT ACTIVITY IN PARKING LOT	LED 4000lm-4000K-70CRI	120V-277V	185W	POLE	(1) POLE LIGHT, 15FT POLE, WITH 1 POLE HEAD, DRILLING PATTERN AS REQUIRED BY POLE HEAD, COLOR AS SELECTED BY OWNER. PROVIDE 15FT POLE WITH VIBRATION DAMPERS AND GROUND LUG CONNECTION. POLE SHALL WITHSTAND WEIGHT AND E.P.A FOR 90M WIND.
EX1		COOPER HUBBELL LITHONIA	EMERGENCY LIGHT & EXIT SIGN COMBO UNIT WITH TWO CIRCUITS	LED	120V-277V	10W	WALL/CEILING	LED EXIT SIGN AND EMERGENCY LIGHT COMBO UNIT WITH RED LETTERS AND TWO EMERGENCY HEAD LIGHTS. BATTERY SHALL PROVIDE 90MIN OF ILLUMINATION. PROVIDE UNIT WITH TWO CIRCUITS: ONE FOR EXT AND ONE FOR EMERGENCY LIGHT.
EX2		COOPER HUBBELL LITHONIA	EXIT SIGN	LED	120V-277V	5W	CEILING	EXIT SIGN. BATTERY BACK UP SHALL PROVIDE 90MIN OF ILLUMINATION.
EX3		COOPER HUBBELL LITHONIA	EMERGENCY LIGHT	LED	120V-277V	10W	CEILING	LED EMERGENCY LIGHT WITH TWO EMERGENCY HEAD LIGHTS. BATTERY SHALL PROVIDE 90MIN OF ILLUMINATION.
EX4		COOPER HUBBELL LITHONIA	EXIT SIGN AND EMERGENCY LIGHT COMBO UNIT WITH BATTERY BACK-UP. RED LETTERS & WHITE BODY. REMOTE TWIN HEAD WHEN SHOWN	LED	120V-277V	10W	WALL/CEILING	LED EXIT SIGN AND EMERGENCY LIGHT COMBO UNIT. RED LETTERS AND WHITE BODY. BATTERY BACK-UP SHALL HAVE CAPACITY TO PROVIDE 90MIN OF ILLUMINATION TO SYSTEM UNDER NORMAL POWER LOSS.

#### LIGHTING FIXTURE SCHEDULE NOTES:

1. PROVIDE ALL NECESSARY ACCESSORIES FOR COMPLETE INSTALLATION AND OPERATION SYSTEM.
2. VERIFY COLOR TEMPERATURE AND CRI OF ALL FIXTURES WITH ARCHITECT.
3. VERIFY EXACT FINISH AND COLOR WITH ARCHITECT PRIOR TO ORDERING.



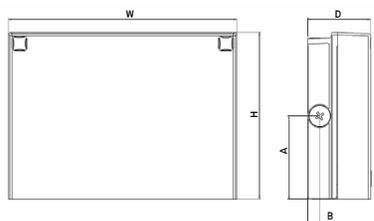
# WPX LED Wall Packs



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## Specifications



Front View

Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (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)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

## 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, 11W <sup>1</sup> 30K 3000K	MVOLT 120V - 277V	(blank) None	DDBXD Dark bronze
WPX1 LED P2	2,900 Lumens, 24W 40K 4000K	347 347V <sup>3</sup>	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) <sup>2</sup>	DWHXD White
WPX2 LED	6,000 Lumens, 47W 50K 5000K		E14WC Emergency battery backup, CEC compliant (14W, -20°C min) <sup>2</sup>	DBLBXD Black
WPX3 LED	9,200 Lumens, 69W		PE Photocell <sup>3</sup>	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.

### NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V and PE options.

## 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.

### CONSTRUCTION

WPX feature 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 L90/100,000 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](http://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](http://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.



## Performance Data

### Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 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	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

### HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

### Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
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

### Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT <b>E4WH</b> DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT <b>E14WC</b> DDBXD

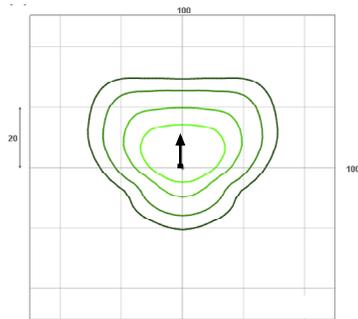
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](#) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

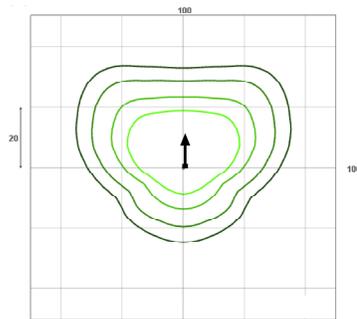
#### LEGEND

<span style="display:inline-block; width:10px; height:10px; background-color:#004a99;"></span>	0.1 fc
<span style="display:inline-block; width:10px; height:10px; background-color:#008080;"></span>	0.2 fc
<span style="display:inline-block; width:10px; height:10px; background-color:#00c080;"></span>	0.5 fc
<span style="display:inline-block; width:10px; height:10px; background-color:#c0c000;"></span>	1.0 fc

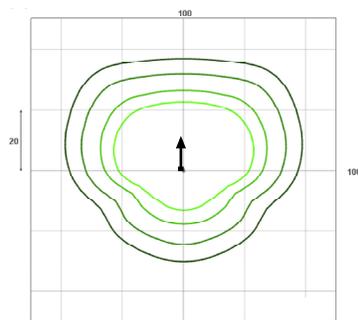
WPX1 LED P1



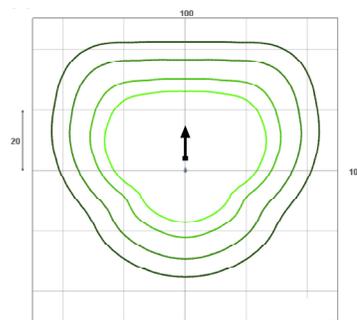
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

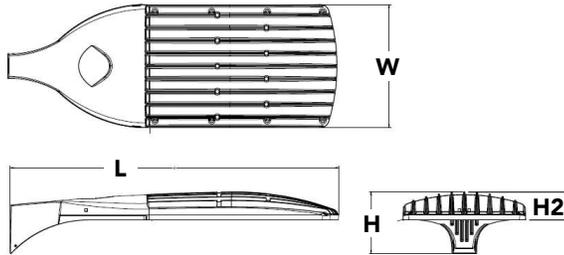


# D-Series Size 2 LED Area Luminaire



## Specifications

<b>EPA:</b>	1.1 ft <sup>2</sup> (0.10 m <sup>2</sup> )
<b>Length:</b>	40" (101.6 cm)
<b>Width:</b>	15" (38.1 cm)
<b>Height 1:</b>	7-1/4" (18.4 cm)
<b>Height 2: (max):</b>	3.5"
<b>Weight:</b>	36lbs



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## 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. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting applications with energy savings of up to 80% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE:** DSX2 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX2 LED		Color temperature		Distribution		Voltage	Mounting	
Series	LEDs	Color temperature		Distribution		Voltage	Mounting	
DSX2 LED	<b>Forward optics</b>	30K	3000 K	T1S	Type I Short (Automotive)	TSVS	Type V Very Short <sup>3</sup>	<b>MVOLT<sup>5</sup></b> <b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting <sup>7</sup> WBA Wall bracket <sup>3</sup> SPUMBA Square pole universal mounting adaptor <sup>8</sup> RPUMBA Round pole universal mounting adaptor <sup>8</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>9</sup>
	P1 P5 <sup>1</sup>	40K	4000 K	T2S	Type II Short	T5S	Type V Short <sup>3</sup>	
	P2 P6	50K	5000 K	T2M	Type II Medium	T5M	Type V Medium <sup>3</sup>	
	P3 P7 <sup>1</sup>			T3S	Type III Short	T5W	Type V Wide <sup>3</sup>	
	P4 P8 <sup>1</sup>			T3M	Type III Medium	BLC	Backlight control <sup>4</sup>	
	<b>Rotated optics</b>			T4M	Type IV Medium	LCCO	Left corner cutoff <sup>4</sup>	
	P10 <sup>2</sup> P13 <sup>1,2</sup>			TFTM	Forward Throw Medium	RCCO	Right corner cutoff <sup>4</sup>	
	P11 <sup>2</sup> P14 <sup>1,2</sup>							
	P12 <sup>2</sup>							

Control options	Other options	Finish (required)
<b>Shipped installed</b> NLTAIR2 nLight AIR generation 2 enabled <sup>10</sup> PIRHN Network, Bi-Level motion/ambient sensor <sup>11</sup> PER NEMA twist-lock receptacle only (no controls) <sup>12</sup> PER5 Five-wire receptacle only (no controls) <sup>12,13</sup> PER7 Seven-wire receptacle only (no controls) <sup>12,13</sup> DMG 0-10V dimming extend out back of housing for external control (no controls) <sup>14</sup> DS Dual switching <sup>15,16</sup>	<b>Shipped installed</b> HS House-side shield <sup>19</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> HA 50°C ambient operations <sup>1</sup> <b>Shipped separately</b> BS Bird spikes <sup>20</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

# Ordering Information

## Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>21</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>21</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>21</sup>
DSHORT SBK U	Shorting cap <sup>21</sup>
DSX2HS 80C U	House-side shield for 80 LED unit <sup>19</sup>
DSX2HS 90C U	House-side shield for 90 LED unit <sup>19</sup>
DSX2HS 100C U	House-side shield for 100 LED unit <sup>19</sup>
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) <sup>22</sup>
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) <sup>9</sup>
DSX2EGS (FINISH) U	External glare shield

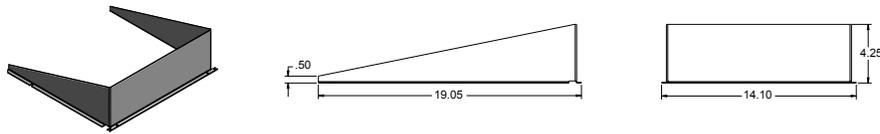
For more control options, visit [DTL](#) and [ROAM](#) online.

## NOTES

- 1 HA not available with P5, P7, P8, P13, and P14.
- 2 P10, P11, P12, P13 or P14 and rotated optics (L90, R90) only available together.
- 3 Any Type 5 distribution with photocell, is not available with WBA.
- 4 Not available with HS.
- 5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 6 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 7 Suitable for mounting to round poles between 3.5" and 12" diameter.
- 8 Universal mounting bracket 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.
- 9 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- 10 Must be ordered with PIRHN. Sensor cover only available in dark bronze, black, white or natural aluminum color.
- 11 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- 12 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting Cap included.
- 13 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming. .
- 14 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- 15 Requires (2) separately switched circuits with isolated neutrals.
- 16 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available with P1, P2, P10.
- 17 Reference Controls Options table settings table on page 4. Reference Motion Sensor Default table on page 4 to see functionality.
- 18 Reference controls options table on page 4.
- 19 Not available with BLC, LCGO and RCCO distribution. Also available as a separate accessories; see Accessories information.
- 20 Must be ordered with fixture for factory pre-drilling.
- 21 Requires luminaire to be specified with PER, PER5 and PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- 22 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

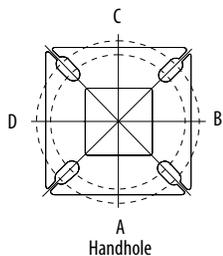
## Options

### EGS - External Glare Shield



## Drilling

### HANDHOLE ORIENTATION



### 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

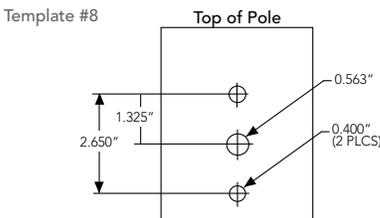
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

### DSX2 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						
DSX2 LED	1.100	2.200	2.120	3.300	2.850	4.064

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	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"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"





## 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
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
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	0	25000	50000	100000
Lumen Maintenance Factor	1.00	0.96	0.92	0.85

### Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	80	530	140	1.18	0.68	0.59	0.51	0.40	0.32
	P2	80	700	185	1.56	0.90	0.78	0.66	0.52	0.39
	P3	80	850	217	1.82	1.05	0.90	0.80	0.63	0.48
	P4	80	1050	270	2.27	1.31	1.12	0.99	0.79	0.59
	P5	80	1250	321	2.68	1.54	1.34	1.17	0.93	0.68
	P6	100	1050	343	2.89	1.66	1.59	1.37	1.00	0.71
	P7	100	1250	398	3.31	1.91	1.66	1.45	1.16	0.81
	P8	100	1350	431	3.61	2.07	1.81	1.57	1.25	0.91
Rotated Optics (Requires L90 or R90)	P10	90	530	156	1.30	0.76	0.65	0.62	0.45	0.32
	P11	90	700	207	1.75	1.01	0.87	0.74	0.60	0.46
	P12	90	850	254	2.12	1.22	1.06	0.94	0.73	0.55
	P13	90	1200	344	2.88	1.65	1.44	1.25	1.00	0.73
	P14	90	1400	405	3.39	1.95	1.71	1.48	1.18	0.86

### 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 receptical	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 rSBGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

# 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																							
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
80	530	P1	140W	T1S	17,575	3	0	3	126	18,933	3	0	3	135	19,173	3	0	3	137				
				T2S	17,556	3	0	3	125	18,913	3	0	3	135	19,152	3	0	3	137				
				T2M	17,647	3	0	3	126	19,010	3	0	3	136	19,251	3	0	3	138				
				T3S	17,090	3	0	3	122	18,411	3	0	3	132	18,644	3	0	3	133				
				T3M	17,604	3	0	3	126	18,964	3	0	3	135	19,204	3	0	3	137				
				T4M	17,221	3	0	3	123	18,552	3	0	4	133	18,787	3	0	4	134				
				TFTM	17,593	3	0	3	126	18,952	3	0	4	135	19,192	3	0	4	137				
				TSVS	18,297	4	0	1	131	19,711	4	0	1	141	19,961	4	0	1	143				
				T5S	18,312	4	0	2	131	19,727	4	0	2	141	19,977	4	0	2	143				
				T5M	18,266	4	0	2	130	19,677	4	0	2	141	19,926	4	0	2	142				
				TSW	18,146	5	0	3	130	19,548	5	0	3	140	19,796	5	0	3	141				
				BLC	14,424	2	0	2	103	15,539	2	0	3	111	15,736	2	0	3	112				
				LCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84				
				RCCO	10,733	1	0	3	77	11,562	1	0	3	83	11,709	2	0	3	84				
				80	700	P2	185W	T1S	22,305	3	0	3	121	24,029	3	0	3	130	24,333	3	0	3	132
								T2S	22,281	3	0	4	120	24,003	3	0	4	130	24,307	3	0	4	131
T2M	22,396	3	0					3	121	24,127	3	0	3	130	24,432	3	0	3	132				
T3S	21,690	3	0					4	117	23,366	3	0	4	126	23,662	3	0	4	128				
T3M	22,342	3	0					4	121	24,068	3	0	4	130	24,373	3	0	4	132				
T4M	21,857	3	0					4	118	23,545	3	0	4	127	23,844	3	0	4	129				
TFTM	22,328	3	0					4	121	24,054	3	0	4	130	24,358	3	0	4	132				
TSVS	23,222	5	0					1	126	25,016	5	0	1	135	25,333	5	0	1	137				
T5S	23,241	4	0					2	126	25,037	4	0	2	135	25,354	4	0	2	137				
T5M	23,182	5	0					3	125	24,974	5	0	3	135	25,290	5	0	3	137				
TSW	23,030	5	0					4	124	24,810	5	0	4	134	25,124	5	0	4	136				
BLC	18,307	2	0					3	99	19,721	2	0	3	107	19,971	2	0	3	108				
LCCO	13,622	2	0					3	74	14,674	2	0	4	79	14,860	2	0	4	80				
RCCO	13,622	2	0					3	74	14,674	2	0	4	79	14,860	2	0	4	80				
80	850	P3	217W					T1S	26,202	3	0	3	121	28,226	3	0	3	130	28,584	3	0	3	132
								T2S	26,174	3	0	4	121	28,196	3	0	4	130	28,553	3	0	4	132
				T2M	26,309	3	0	3	121	28,342	3	0	3	131	28,700	3	0	3	132				
				T3S	25,479	3	0	4	117	27,448	3	0	4	126	27,795	3	0	4	128				
				T3M	26,245	3	0	4	121	28,273	3	0	4	130	28,631	3	0	4	132				
				T4M	25,675	3	0	4	118	27,659	3	0	4	127	28,009	3	0	4	129				
				TFTM	26,229	3	0	4	121	28,255	3	0	4	130	28,613	3	0	4	132				
				TSVS	27,279	5	0	1	126	29,387	5	0	1	135	29,759	5	0	1	137				
				T5S	27,301	4	0	2	126	29,410	5	0	2	136	29,783	5	0	2	137				
				T5M	27,232	5	0	3	125	29,336	5	0	3	135	29,707	5	0	3	137				
				TSW	27,053	5	0	4	125	29,144	5	0	4	134	29,513	5	0	4	136				
				BLC	21,504	2	0	3	99	23,166	2	0	3	107	23,459	2	0	4	108				
				LCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80				
				RCCO	16,001	2	0	4	74	17,238	2	0	4	79	17,456	2	0	4	80				
				80	1050	P4	270W	T1S	30,963	4	0	4	115	33,355	4	0	4	124	33,777	4	0	4	125
								T2S	30,930	4	0	4	115	33,320	4	0	4	123	33,742	4	0	4	125
T2M	31,089	3	0					4	115	33,491	3	0	4	124	33,915	3	0	4	126				
T3S	30,108	4	0					4	112	32,435	4	0	5	120	32,845	4	0	5	122				
T3M	31,014	3	0					4	115	33,410	3	0	4	124	33,833	3	0	4	125				
T4M	30,340	3	0					5	112	32,684	3	0	5	121	33,098	3	0	5	123				
TFTM	30,995	3	0					5	115	33,390	3	0	5	124	33,812	3	0	5	125				
TSVS	32,235	5	0					1	119	34,726	5	0	1	129	35,166	5	0	1	130				
T5S	32,261	5	0					2	119	34,754	5	0	2	129	35,194	5	0	2	130				
T5M	32,180	5	0					4	119	34,667	5	0	4	128	35,105	5	0	4	130				
TSW	31,969	5	0					4	118	34,439	5	0	5	128	34,875	5	0	5	129				
BLC	25,412	2	0					4	94	27,376	2	0	4	101	27,722	2	0	4	103				
LCCO	18,909	2	0					4	70	20,370	2	0	4	75	20,628	2	0	4	76				
RCCO	18,909	2	0					4	70	20,370	2	0	4	75	20,628	2	0	4	76				

# 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																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
80	1250	P5	321W	T1S	35,193	4	0	4	110	37,912	4	0	4	118	38,392	4	0	4	120
				T2S	35,155	4	0	5	110	37,872	4	0	5	118	38,351	4	0	5	119
				T2M	35,336	4	0	4	110	38,067	4	0	4	119	38,549	4	0	4	120
				T3S	34,222	4	0	5	107	36,866	4	0	5	115	37,333	4	0	5	116
				T3M	35,251	3	0	4	110	37,974	3	0	5	118	38,455	4	0	5	120
				T4M	34,485	3	0	5	107	37,149	4	0	5	116	37,620	4	0	5	117
				TFTM	35,229	3	0	5	110	37,951	3	0	5	118	38,431	3	0	5	120
				TSVS	36,639	5	0	1	114	39,470	5	0	1	123	39,970	5	0	1	125
				T5S	36,669	5	0	2	114	39,502	5	0	2	123	40,002	5	0	2	125
				T5M	36,576	5	0	4	114	39,403	5	0	4	123	39,901	5	0	4	124
				TSW	36,336	5	0	5	113	39,144	5	0	5	122	39,640	5	0	5	123
				BLC	28,884	3	0	4	90	31,115	3	0	4	97	31,509	3	0	4	98
				LCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73
				RCCO	21,492	2	0	4	67	23,153	2	0	5	72	23,446	3	0	5	73
100	1050	P6	343W	T1S	37,824	4	0	4	110	40,747	4	0	4	119	41,263	4	0	4	120
				T2S	37,784	4	0	5	110	40,704	4	0	5	119	41,219	4	0	5	120
				T2M	37,979	4	0	4	111	40,913	4	0	4	119	41,431	4	0	4	121
				T3S	36,780	4	0	5	107	39,623	4	0	5	116	40,124	4	0	5	117
				T3M	37,886	3	0	5	110	40,814	4	0	5	119	41,331	4	0	5	120
				T4M	37,063	4	0	5	108	39,927	4	0	5	116	40,433	4	0	5	118
				TFTM	37,863	3	0	5	110	40,789	4	0	5	119	41,305	4	0	5	120
				TSVS	39,379	5	0	1	115	42,422	5	0	1	124	42,959	5	0	1	125
				T5S	39,411	5	0	2	115	42,456	5	0	2	124	42,993	5	0	2	125
				T5M	39,311	5	0	4	115	42,349	5	0	4	123	42,885	5	0	4	125
				TSW	39,053	5	0	5	114	42,071	5	0	5	123	42,604	5	0	5	124
				BLC	31,043	3	0	4	91	33,442	3	0	4	97	33,865	3	0	4	99
				LCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73
				RCCO	23,099	2	0	5	67	24,884	3	0	5	73	25,199	3	0	5	73
100	1250	P7	398W	T1S	42,599	4	0	4	107	45,890	4	0	4	115	46,471	4	0	4	117
				T2S	42,553	4	0	5	107	45,842	4	0	5	115	46,422	4	0	5	117
				T2M	42,773	4	0	4	107	46,078	4	0	4	116	46,661	4	0	5	117
				T3S	41,423	4	0	5	104	44,624	4	0	5	112	45,189	4	0	5	114
				T3M	42,669	4	0	5	107	45,966	4	0	5	115	46,548	4	0	5	117
				T4M	41,742	4	0	5	105	44,967	4	0	5	113	45,537	4	0	5	114
				TFTM	42,643	4	0	5	107	45,938	4	0	5	115	46,519	4	0	5	117
				TSVS	44,350	5	0	1	111	47,777	5	0	1	120	48,381	5	0	1	122
				T5S	44,385	5	0	2	112	47,815	5	0	3	120	48,420	5	0	3	122
				T5M	44,273	5	0	4	111	47,695	5	0	4	120	48,298	5	0	4	121
				TSW	43,983	5	0	5	111	47,382	5	0	5	119	47,982	5	0	5	121
				BLC	34,962	3	0	4	88	37,664	3	0	5	95	38,140	3	0	5	96
				LCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71
				RCCO	26,015	3	0	5	65	28,025	3	0	5	70	28,380	3	0	5	71
100	1350	P8	448W	T1S	45,610	4	0	4	106	49,135	4	0	4	114	49,757	4	0	4	115
				T2S	45,562	4	0	5	106	49,083	4	0	5	114	49,704	4	0	5	115
				T2M	45,797	4	0	4	106	49,336	4	0	5	114	49,960	4	0	5	116
				T3S	44,352	4	0	5	103	47,779	4	0	5	111	48,384	4	0	5	112
				T3M	45,686	4	0	5	106	49,216	4	0	5	114	49,839	4	0	5	116
				T4M	44,693	4	0	5	104	48,147	4	0	5	112	48,756	4	0	5	113
				TFTM	45,657	4	0	5	106	49,186	4	0	5	114	49,808	4	0	5	116
				TSVS	47,485	5	0	1	110	51,155	5	0	1	119	51,802	5	0	1	120
				T5S	47,524	5	0	3	110	51,196	5	0	3	119	51,844	5	0	3	120
				T5M	47,404	5	0	4	110	51,067	5	0	5	118	51,713	5	0	5	120
				TSW	47,093	5	0	5	109	50,732	5	0	5	118	51,374	5	0	5	119
				BLC	37,434	3	0	5	87	40,326	3	0	5	94	40,837	3	0	5	95
				LCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71
				RCCO	27,854	3	0	5	65	30,006	3	0	5	70	30,386	3	0	5	71

# 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.

Rotated Optics																							
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
90	530	P10	156W	T1S	20,145	4	0	4	129	21,702	4	0	4	139	21,977	4	0	4	141				
				T2S	20,029	4	0	4	128	21,577	4	0	4	138	21,850	4	0	4	140				
				T2M	20,391	4	0	4	131	21,967	4	0	4	141	22,245	4	0	4	143				
				T3S	19,719	4	0	4	126	21,242	4	0	4	136	21,511	4	0	4	138				
				T3M	20,379	4	0	4	131	21,954	4	0	4	141	22,232	4	0	4	143				
				T4M	19,995	4	0	4	128	21,540	4	0	4	138	21,812	5	0	5	140				
				TFTM	20,511	4	0	4	131	22,096	5	0	5	142	22,376	5	0	5	143				
				TSVS	20,655	4	0	1	132	22,251	4	0	1	143	22,533	4	0	1	144				
				T5S	20,482	4	0	2	131	22,064	4	0	2	141	22,343	4	0	2	143				
				T5M	20,477	5	0	3	131	22,059	5	0	3	141	22,338	5	0	3	143				
				TSW	20,293	5	0	3	130	21,861	5	0	3	140	22,138	5	0	4	142				
				BLC	16,846	4	0	4	108	18,148	4	0	4	116	18,378	4	0	4	118				
				LCCO	12,032	2	0	3	77	12,961	2	0	3	83	13,125	2	0	3	84				
				RCCO	12,016	4	0	4	77	12,944	4	0	4	83	13,108	4	0	4	84				
				90	700	P11	207W	T1S	25,518	4	0	4	123	27,490	4	0	4	133	27,837	4	0	4	134
								T2S	25,371	5	0	5	123	27,331	5	0	5	132	27,677	5	0	5	134
T2M	25,829	4	0					4	125	27,825	4	0	4	134	28,177	4	0	4	136				
T3S	24,977	5	0					5	121	26,907	5	0	5	130	27,248	5	0	5	132				
T3M	25,814	5	0					5	125	27,809	5	0	5	134	28,161	5	0	5	136				
T4M	25,327	5	0					5	122	27,284	5	0	5	132	27,629	5	0	5	133				
TFTM	25,981	5	0					5	126	27,989	5	0	5	135	28,343	5	0	5	137				
TSVS	26,164	5	0					1	126	28,185	5	0	1	136	28,542	5	0	1	138				
T5S	25,943	4	0					2	125	27,948	5	0	2	135	28,302	5	0	2	137				
T5M	25,937	5	0					3	125	27,941	5	0	3	135	28,295	5	0	3	137				
TSW	25,704	5	0					4	124	27,691	5	0	4	134	28,041	5	0	4	135				
BLC	21,339	4	0					4	103	22,988	4	0	4	111	23,279	4	0	4	112				
LCCO	15,240	2	0					4	74	16,418	2	0	4	79	16,626	2	0	4	80				
RCCO	15,220	5	0					5	74	16,396	5	0	5	79	16,604	5	0	5	80				
90	850	P12	254W					T1S	29,912	4	0	4	118	32,223	4	0	4	127	32,631	5	0	4	128
								T2S	29,740	5	0	5	117	32,038	5	0	5	126	32,443	5	0	5	128
				T2M	30,277	4	0	4	119	32,616	5	0	5	128	33,029	5	0	5	130				
				T3S	29,278	5	0	5	115	31,540	5	0	5	124	31,940	5	0	5	126				
				T3M	30,259	5	0	5	119	32,597	5	0	5	128	33,010	5	0	5	130				
				T4M	29,688	5	0	5	117	31,982	5	0	5	126	32,387	5	0	5	128				
				TFTM	30,455	5	0	5	120	32,808	5	0	5	129	33,224	5	0	5	131				
				TSVS	30,669	5	0	1	121	33,039	5	0	1	130	33,457	5	0	1	132				
				T5S	30,411	5	0	2	120	32,761	5	0	2	129	33,176	5	0	2	131				
				T5M	30,404	5	0	3	120	32,753	5	0	4	129	33,168	5	0	4	131				
				TSW	30,131	5	0	4	119	32,459	5	0	4	128	32,870	5	0	4	129				
				BLC	25,013	4	0	4	98	26,946	4	0	4	106	27,287	4	0	4	107				
				LCCO	17,865	2	0	4	70	19,245	2	0	4	76	19,489	2	0	4	77				
				RCCO	17,841	5	0	5	70	19,220	5	0	5	76	19,463	5	0	5	77				
				90	1200	P13	344W	T1S	38,768	5	0	5	113	41,764	5	0	5	121	42,292	5	0	5	123
								T2S	38,545	5	0	5	112	41,523	5	0	5	121	42,049	5	0	5	122
T2M	39,241	5	0					5	114	42,273	5	0	5	123	42,808	5	0	5	124				
T3S	37,947	5	0					5	110	40,879	5	0	5	119	41,396	5	0	5	120				
T3M	39,218	5	0					5	114	42,249	5	0	5	123	42,783	5	0	5	124				
T4M	38,478	5	0					5	112	41,451	5	0	5	120	41,976	5	0	5	122				
TFTM	39,472	5	0					5	115	42,522	5	0	5	124	43,060	5	0	5	125				
TSVS	39,749	5	0					1	116	42,821	5	0	1	124	43,363	5	0	1	126				
T5S	39,415	5	0					2	115	42,461	5	0	2	123	42,998	5	0	2	125				
T5M	39,405	5	0					4	115	42,450	5	0	4	123	42,988	5	0	4	125				
TSW	39,052	5	0					5	114	42,069	5	0	5	122	42,602	5	0	5	124				
BLC	32,419	5	0					5	94	34,925	5	0	5	102	35,367	5	0	5	103				
LCCO	23,154	3	0					5	67	24,943	3	0	5	73	25,259	3	0	5	73				
RCCO	23,124	5	0					5	67	24,910	5	0	5	72	25,226	5	0	5	73				
90	1400	P14	405W					T1S	42,867	5	0	5	106	46,180	5	0	5	114	46,764	5	0	5	115
								T2S	42,621	5	0	5	105	45,914	5	0	5	113	46,495	5	0	5	115
				T2M	43,390	5	0	5	107	46,743	5	0	5	115	47,335	5	0	5	117				
				T3S	41,959	5	0	5	104	45,201	5	0	5	112	45,773	5	0	5	113				
				T3M	43,365	5	0	5	107	46,716	5	0	5	115	47,307	5	0	5	117				
				T4M	42,547	5	0	5	105	45,834	5	0	5	113	46,414	5	0	5	115				
				TFTM	43,646	5	0	5	108	47,018	5	0	5	116	47,614	5	0	5	118				
				TSVS	43,952	5	0	1	109	47,349	5	0	1	117	47,948	5	0	1	118				
				T5S	43,583	5	0	2	108	46,950	5	0	2	116	47,545	5	0	3	117				
				T5M	43,572	5	0	4	108	46,939	5	0	4	116	47,533	5	0	4	117				
				TSW	43,181	5	0	5	107	46,518	5	0	5	115	47,107	5	0	5	116				
				BLC	35,847	5	0	5	89	38,617	5	0	5	95	39,106	5	0	5	97				
				LCCO	25,602	3	0	5	63	27,580	3	0	5	68	27,930	3	0	5	69				
				RCCO	25,569	5	0	5	63	27,544	5	0	5	68	27,893	5	0	5	69				

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Area Size 2 reflects the embedded high performance LED technology. It is ideal for applications like car dealerships and large parking lots adjacent to malls, transit stations, grocery stores, home centers, and other big-box retailers.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.1 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K, or 5000 K (70 CRI) configurations. The D-Series Size 2 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hrs at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily-serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 2 to withstand up to a 2.0 G vibration load rating per ANSI C136.31. The D-Series Size 2 utilizes the AERIS™ series pole drilling pattern (Template #8). NEMA photocontrol receptacle is available.

### STANDARD CONTROLS

The DSX2 LED area luminaire has a number of control options. DSX Size 2, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

### nLIGHT AIR CONTROLS

The DSX2 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D670,857 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://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/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/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.



Proposed water and sewer connections. Blue dot = water, red dot = sewer.

