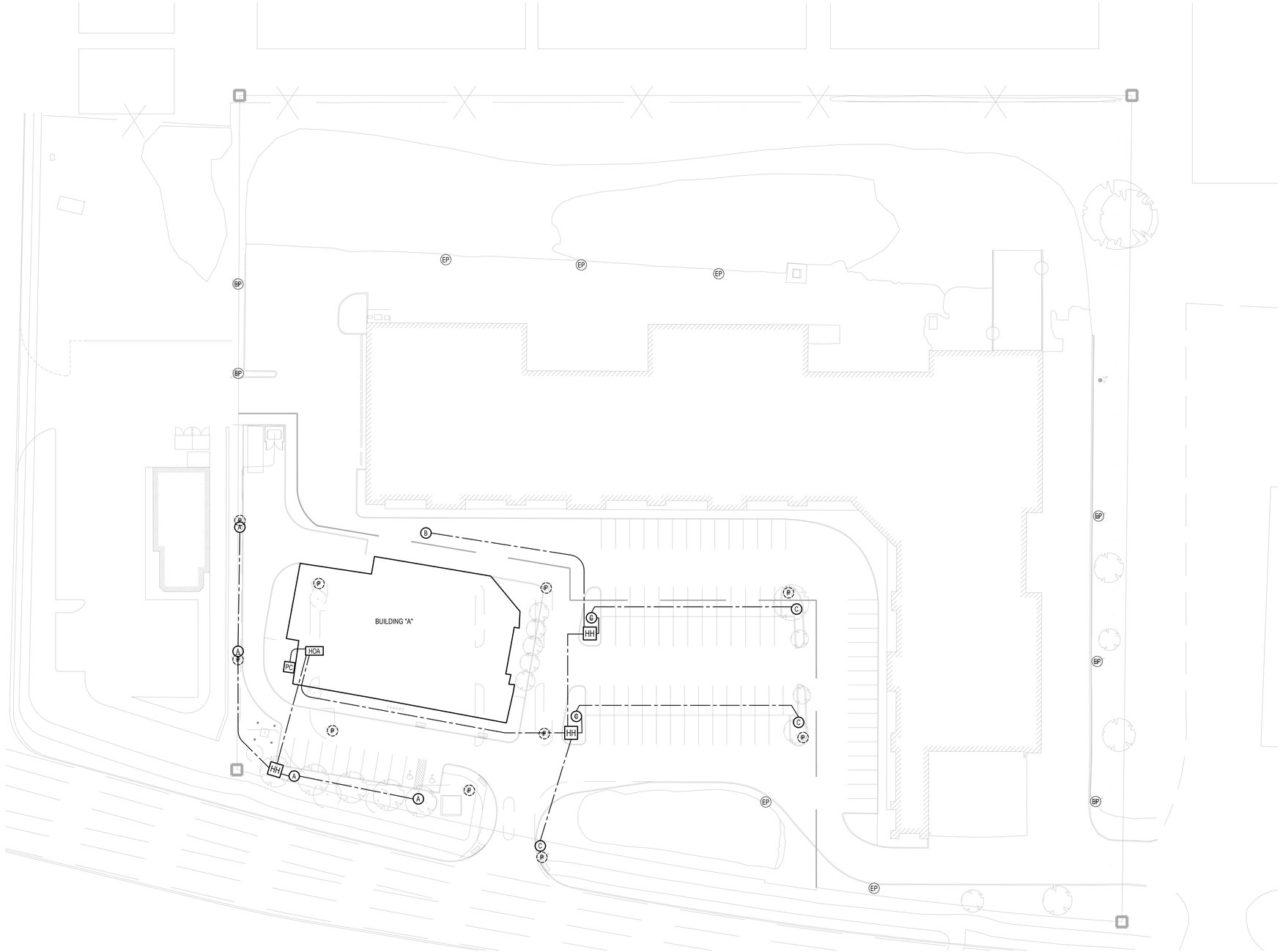


LIGHTING LEGEND

(P)	REMOVE EXISTING POLE C/W CONCRETE BASE AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. MAKE CIRCUIT GOOD.
EP	EXISTING LIGHTING FIXTURE TO REMAIN.
A	PROVIDE NEW TYPE A POLE MOUNT FIXTURE. COOPER LIGHTING SOLUTIONS - MCGRAW EDISON GALLEON PEDESTRIAN LUMINAIRE FORWARD THROW C/W HOUSE SHEILD C/W 6M SQUARE STEEL POLE. COOPER MCGRAW EDISON CAT. No. GPC-SA1C-730-347-T4FT-HSS-QM-BK C/W VALMONT STRUCTURES CAT. No. DS330-18-D1-PC BK-FBC-AB
B	PROVIDE NEW TYPE B POLE MOUNT FIXTURE. COOPER LIGHTING SOLUTIONS - MCGRAW EDISON GALLEON PEDESTRIAN LUMINAIRE TYPE II SPILL LIGHT ELIMINATOR OPTICS C/W HOUSE SHEILD C/W 6M SQUARE STEEL POLE. COOPER MCGRAW EDISON CAT. No. GPC-SA1A-730-347-SL2-HSS-QM-BK C/W VALMONT STRUCTURES CAT. No. DS330-18-D1-PC BK-FBC-AB
C	PROVIDE NEW TYPE C POLE MOUNT FIXTURE. COOPER LIGHTING SOLUTIONS - MCGRAW EDISON GALLEON PEDESTRIAN LUMINAIRE TYPE V WIDE OPTICS C/W 6M SQUARE STEEL POLE. COOPER MCGRAW EDISON CAT. No. GPC-SA2C-730-347-5WQ-QM-BK C/W VALMONT STRUCTURES CAT. No. DS330-18-D1-PC BK-FBC-AB
HH	PROVIDE HAND HOLE 350x585 POLYMER CONCRETE HANDHOLE COMPLETE WITH "LIGHTING" LOGO ON COVER. MANUFACTURER SYNERTECK (12"X24"X12") OPEN BOTTOM 300mm BOX COMPLETE WITH TIER 20K BOLT DOWN COVER.
PC	PROVIDE 347V ADJUSTABLE PHOTOCELL. REFER TO WIRING DETAIL ON DRAWING E2.
HOA	PROVIDE 347V HAND-OFF-AUTO SELECTOR SWITCH. REFER TO WIRING DETAIL ON DRAWING E2.

LIGHTING NOTES

1. CONCRETE BASES FOR LIGHT STANDARDS BY THIS TRADE.

N

KEY PLAN

REVISION:

REV	DATE	DESCRIPTION	BY
1	2023-03-24	ISSUED FOR SPA	S.L.

SEAL:

LICENSED PROFESSIONAL ENGINEER
2023-03-24
N.W.G. MURPHY
100058980
PROVINCE OF ONTARIO

ORIGINAL SCALE: 1:400
DESIGNED BY: --
ASSISTED BY: --
DRAWN BY: --
MODIFIED BY: --
APPROVED BY: --
DATE: 2022-12-12

IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm

DISCIPLINE: ELECTRICAL

WSP Canada Inc.
2611 Queensview Drive, Suite 300 Ottawa, Ontario K2B 8K2
T 613-829-28-00| www.wsp.com

PROJECT NUMBER: 221-06853-00

CLIENT: ELM DEVELOPMENTS

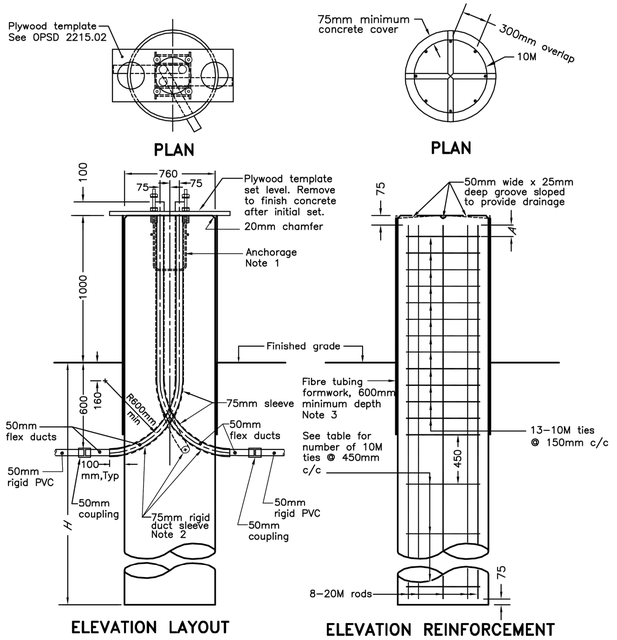
CLIENT REF. #: --

PROJECT: 430 OTTAWA STREET ALMONTE, ONTARIO

TITLE: SITE LIGHTING LAYOUT

DRAWING NUMBER: E1.1

REV. 1



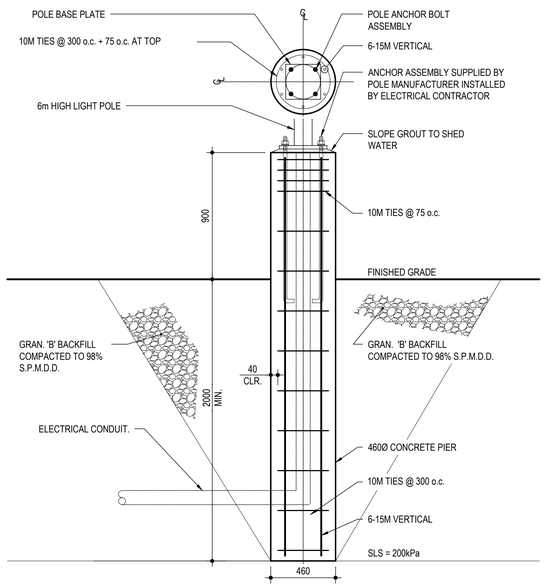
POLE LENGTH m	BURIAL DEPTH H m	ROD LENGTH m	A mm	NO. OF 10M TIES @ 450 c/c	BOLT CIRCLE DIA FOR METAL POLES Aluminum	Steel	Sectional Steel
5.6	2.15	3.00	100	3	N/A	N/A	449
7.0	2.15	3.00	100	3	N/A	N/A	449
7.5	2.15	3.00	100	3	406	406	N/A
8.7	2.45	3.30	250	3	N/A	N/A	449
9.0	2.45	3.30	0	4	406	406	N/A
10.5	2.60	3.45	100	4	406	406	449
12.0	2.75	3.60	150	4	406	406	N/A
13.6	2.90	3.75	0	5	406	406	N/A
15.1	3.05	3.90	100	5	406	406	N/A

N/A – Not applicable

NOTES:

1 For anchorage assembly see OPSD 2215.02.
2 Minimum of two sleeves required for each concrete footing. Three sleeves as specified.
3 Remove formwork above finished grade after initial set.
A For pole mounting details see OPSD 2215.03.
B All dimensions are in millimetres unless otherwise shown.

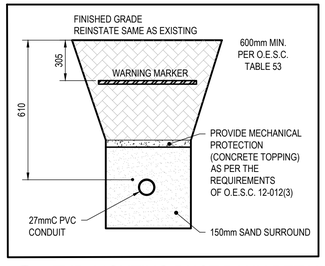
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2010	Rev	0
RAISED CONCRETE FOOTING FOR BASE MOUNTED LIGHTING POLES			
	OPSD 2200.011		



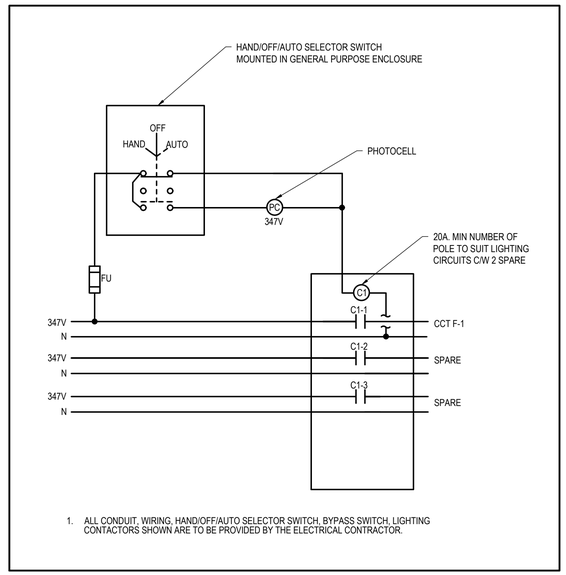
NOTES:

1. DESIGN BASED ON : 6m STRAIGHT SQUARE STEEL LIGHT POLE (MAX. 9m HEIGHT). REPORT ANY CHANGES IN PRODUCTS OR MOUNTING HEIGHTS TO ENGINEER.
2. ANCHOR BOLT DESIGN AND SUPPLY BY LIGHTING SUPPLIER.
3. REFER TO SITE PLAN FOR LIGHT POLE LOCATION.
4. COMPACTION REQUIREMENTS SHOWN ARE MINIMUM. REFERENCE GEOTECHNICAL REPORT FOR ADDITIONAL SUBBASE REQUIREMENTS IN PARKING AREAS.
5. CONCRETE BASES FOR LIGHT POLES ARE A PRE-ENGINEERED ITEM TO BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER RETAINED BY THE ELECTRICAL CONTRACTOR.

1 / E1.2 LIGHT STANDARD BASE DETAIL
SCALE: N.T.S.

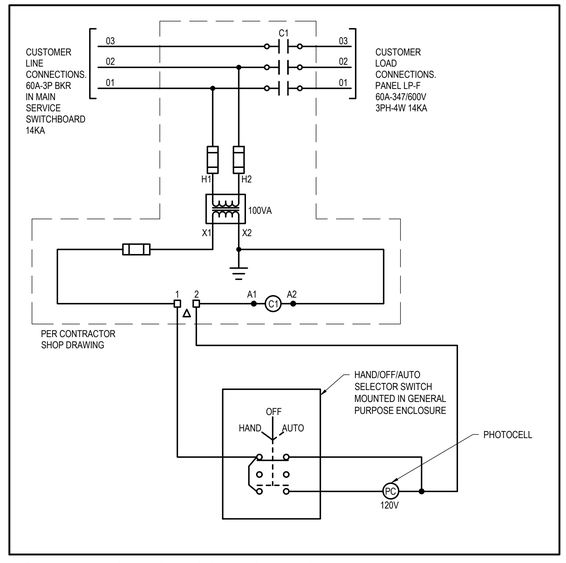


2 / E1.2 TYP. LIGHTING DUCT BANK DETAIL
SCALE: N.T.S.



1. ALL CONDUIT, WIRING, HAND/OFF/AUTO SELECTOR SWITCH, BYPASS SWITCH, LIGHTING CONTACTORS SHOWN ARE TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

3 / E1.2 347V HAND-OFF-AUTO SELECTOR SWITCH CONTROL DIAGRAM
SCALE: N.T.S.



4 / E1.2 EXTERIOR LIGHT CONTROL DIAGRAM SI-E01
SCALE: N.T.S.

CONTRACT DRAWINGS

CONTRACT DRAWINGS FOR ELECTRICAL WORK ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT FOR EQUIPMENT, CONDUIT AND OUTLETS. CONTRACTOR TO COORDINATE LAYOUT OF ELECTRICAL SYSTEMS WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL BUILDING COMPONENTS, AS WELL AS OTHER ELECTRICAL SYSTEMS. PROVIDE ADDITIONAL JUNCTION BOXES, FITTINGS, SUPPORTS, ETC. REQUIRED TO FACILITATE THE WORK. NO EXTRA PAYMENTS ARISING FROM FAILURE TO MAKE THIS COORDINATION WILL BE CONSIDERED.

N

KEY PLAN

REV	DATE	DESCRIPTION	BY
1	2023-03-24	ISSUED FOR SPA	S.L.

REVISION:

SEAL:
LICENSED PROFESSIONAL ENGINEER
2023-03-24
N.W.G. MURPHY
100058980
PROVINCE OF ONTARIO

ORIGINAL SCALE: AS NOTED
DATE: 2022-12-12
DESIGNED BY: SL
ASSISTED BY: NM
DRAWN BY: SL
MODIFIED BY: --
APPROVED BY: --
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm

DISCIPLINE: ELECTRICAL

WSP Canada Inc.
2611 Queensview Drive, Suite 300 Ottawa, Ontario K2B 8K2
T 613-829-28-00| www.wsp.com

PROJECT NUMBER: 221-06853-00

CLIENT: ELM DEVELOPMENTS

CLIENT REF. #: --

PROJECT: 430 OTTAWA STREET ALMONTE, ONTARIO

TITLE: SITE LIGHTING DETAILS

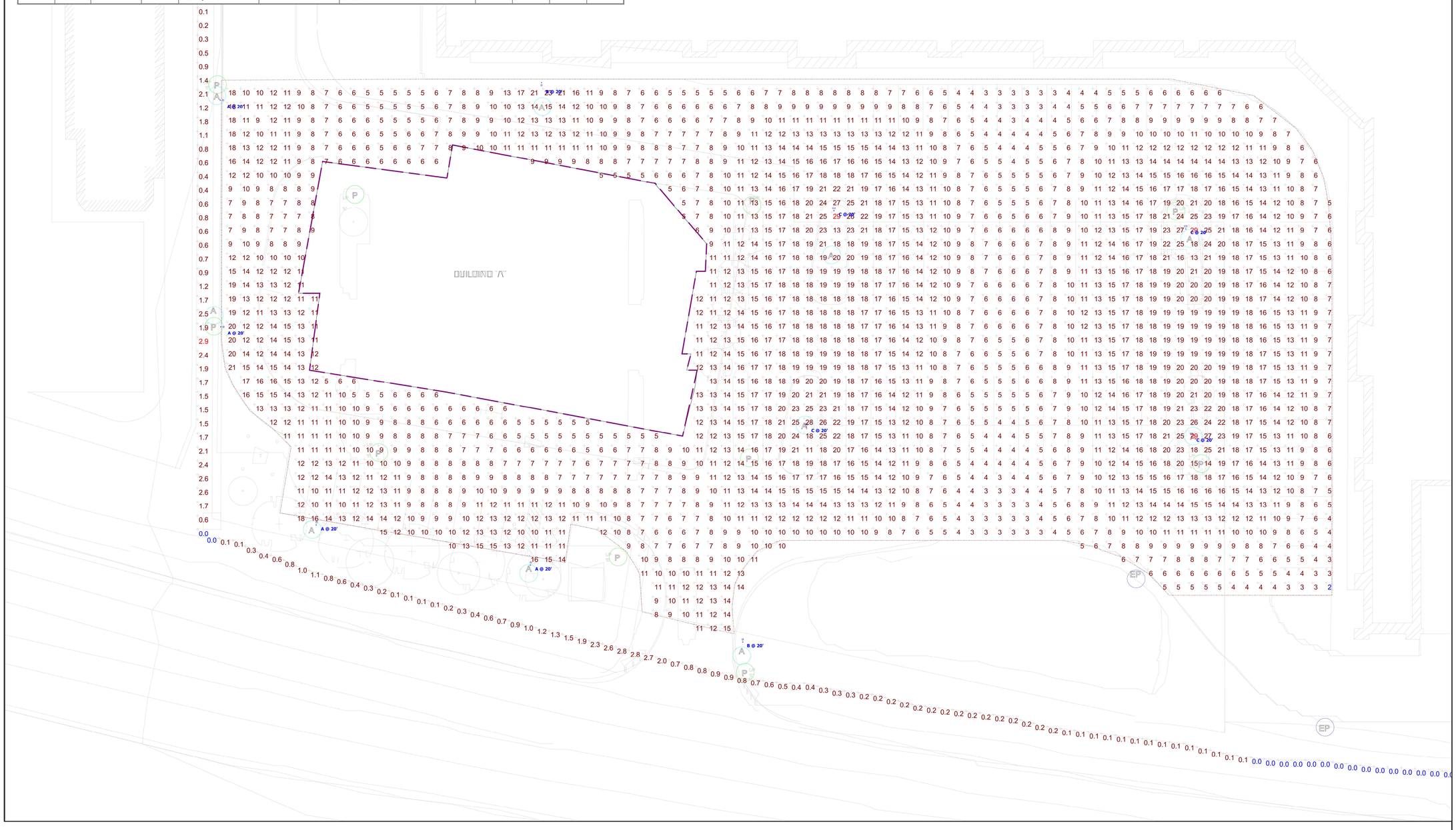
DRAWING NUMBER: E1.2
REV. 1

Schedule

Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
	A		4	COOPER LIGHTING SOLUTIONS - McGRAW-EDISON (FORMERLY EATON)	GPC-SA1C-730-U-T4FT-HSS	GALLEON PEDESTRIAN LUMINAIRE (1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD	16	305	0.9	59
	B		2	COOPER LIGHTING SOLUTIONS - McGRAW-EDISON (FORMERLY EATON)	GPC-SA1A-730-U-SL2-HSS	GALLEON PEDESTRIAN LUMINAIRE (1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD	16	234	0.9	34
	C		4	COOPER LIGHTING SOLUTIONS - McGRAW-EDISON (FORMERLY EATON)	GPC-SA2C-730-U-5WQ	GALLEON PEDESTRIAN LUMINAIRE (2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS	32	443	0.9	113

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	+	11 lux	29 lux	2 lux	14.5:1	5.5:1
Property Line	+	0.7 lux	2.9 lux	0.0 lux	N/A	N/A



LIGHTING CALCULATIONS PREPARED BY WATERMAN SALES

N

KEY PLAN

REVISION:

REV	DATE	DESCRIPTION	BY
1	2023-03-24	ISSUED FOR SPA	S.L.

SEAL:

LICENSED PROFESSIONAL ENGINEER
N.W.G. MURPHY
100068880
PROVINCE OF ONTARIO

ORIGINAL SCALE: 1:400
DESIGNED BY: --
ASSISTED BY: --
DRAWN BY: --
MODIFIED BY: --
APPROVED BY: --
DATE: 2022-12-12

IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.

25mm

DISCIPLINE: ELECTRICAL

WSP Canada Inc.
2611 Queensview Drive, Suite 300 Ottawa, Ontario K2B 8K2
T 613-829-28-00| www.wsp.com

PROJECT NUMBER: 221-06853-00

CLIENT: ELM DEVELOPMENTS

CLIENT REF. #: --

PROJECT: 430 OTTAWA STREET ALMONTE, ONTARIO

TITLE: SITE LIGHTING CALCULATION

DRAWING NUMBER: E1.3

REV. 1

SOLID STATE AREA LIGHTING

DSDP SERIES-PLED

PROJECT NAME: 430 Ottawa St. Almonte

FIXTURE TYPE: 3

BUDGET PRICE APPROX.
$2,795.00

FEATURES

Luminaire
Upper housing is heavy gauge cast aluminum (min. .125" wall; alloy >0.2% Cu for DSDP25) or spun aluminum with reveal (.125" min. wall for DSDP22). Lower housing is 0.080" thick spun aluminum with integrated LED module seat. Lower housing is vented at top and bottom for convective cooling of LED module. Top Driver chamber is barriered from LED Module chamber. Trulevel ball coupling mount is welded to housing and facilitates quick leveling and installation.

PLED™ Optics
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED Emitters
High output LED's are utilized with drive currents ranging from 350mA to 875mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

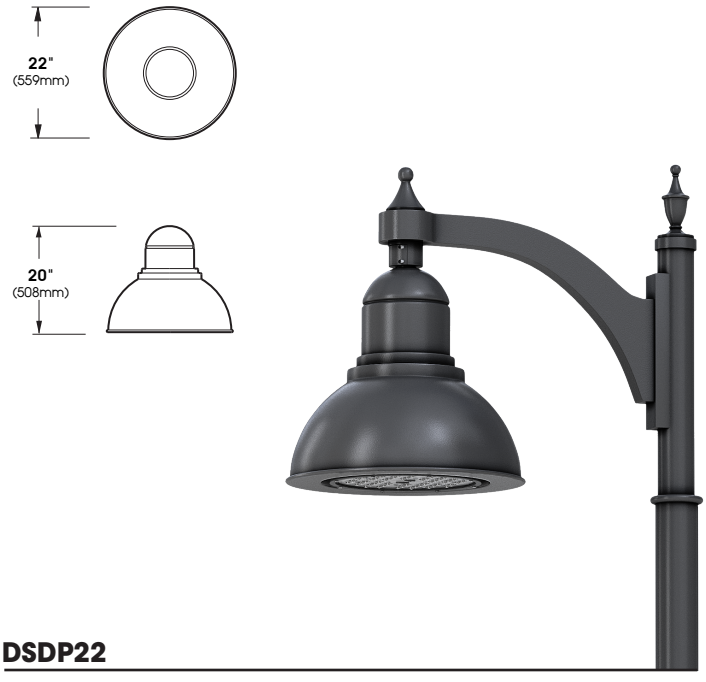
LED Driver
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field installation.)

Amber LED's
PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish
Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

DSDP25

Patent pending



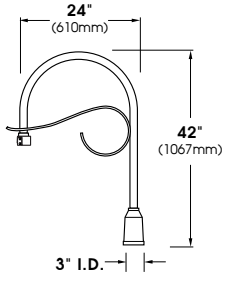
DSDP22

(Formerly DSDP1)

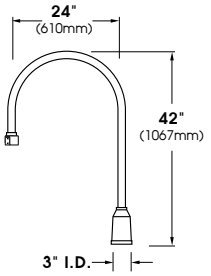
Patent pending

DSDP SERIES - PLED

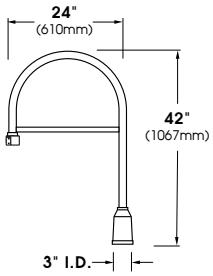
SPECIFICATIONS



XPD



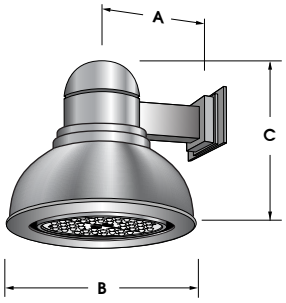
XPK



XPS

Arms are heavy wall extruded aluminum construction. For additional arm options see arm section.

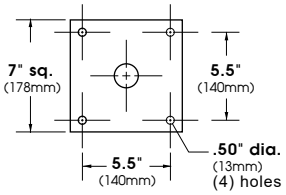
Wall Mount



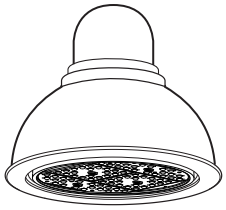
Fixture	A	B	C
DSDP25	18" (457mm)	25" (635mm)	21" (533mm)
DSDP22	14" (356mm)	22" (559mm)	20" (508mm)

Extruded aluminum arm and cast aluminum wall bracket assembly provided with built in gasketed wire access for fixture/supply wire connection.

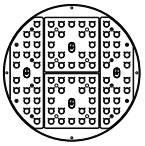
Wall Plate



PLED™ Modules

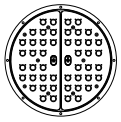


DSDP25 E.P.A.= 1.52
Available in:
80 LED Module Max



80 LED Module

DSDP22 E.P.A.= 1.10
Available in:
48 LED Module Max



48 LED Module

ORDERING INFORMATION

Spec/Order Example: DSDP25/PLED-IV-FT/48LED-525mA/CW/480/1/RAL-7004-T

Luminaire	Optics	LED Mode	Voltage	Mounting	Finish	Options

Luminaire

- ☐ **DSDP25-PLED**
- ☑ **DSDP22-PLED** (Formerly DSDP1)

Optics

PLED™ Distribution Type

- ☑ Type II **PLED-II**
- ☐ Type II Front Row **PLED-II-FR**
- ☐ Type III Med. **PLED-III-M**
- ☐ Type III Wide **PLED-III-W**
- ☐ Type IV **PLED-IV**
- ☐ Type IV **PLED-IV-FT**
- ☐ Type V Narrow **PLED-VSQ-N**
- ☐ Type V Med. **PLED-V-SQ-M**
- ☐ Type V Wide **PLED-V-SQ-W**

LED

of LEDs

DSDP25
- ☐ **80LED**[1]
- ☐ **48LED**
- ☐ **36LED**

DSDP22
- ☑ **48LED**[1]
- ☐ **36LED**
- ☐ **20LED**

Drive Current
- ☐ **1050mA**[2]
- ☐ **875mA**[2]
- ☐ **700mA**[2]
- ☑ **525mA**
- ☐ **350mA**

Color Temp - CCT
- ☐ **NW (4000K)*** *Standard
- ☐ **CW (5000K)**
- ☑ **WW (3000K)**

Other LED Colors Available Consult Factory

Amber[3]
- ☐ Phosphor Converted Amber **PCA**[4]
- ☐ True Amber[5] **TRA**

NOTES:
1 - 875mA maximum
2 - 700mA and 875mA not for use with TRA LED's
3 - Narrow band Ambers have no Definable CCT equivalent
4 - 700mA maximum
5 - Available in 350mA & 525mA drive currents only

Voltage
- ☐ **120**
- ☐ **208**
- ☐ **240**
- ☐ **277**
- ☐ **347**
- ☐ **480**

Mounting
- ☑ **XPK**
- ☐ **XPS**
- ☐ **XPD**
- ☐ **1**

Wallmount
- ☐ **WM**

See USALTG.COM for additional arm styles

Finish

Standard Textured Finish
- ☐ Black **RAL-9005-T**
- ☐ White **RAL-9003-T**
- ☐ Grey **RAL-7004-T**
- ☐ Dark Bronze **RAL-8019-T**
- ☐ Green **RAL-6005-T**

For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)

Consult factor for custom colors

Options
- ☐ Stem Mount + Length(in) (48" Max) **SM+L**
- ☐ Chain Mount + Length(in) (48" Max) **CM+L**
- ☐ Internal House Side Shield inc. LED Count (Example: HS-PLED/48) **HS-PLED**
- ☐ Twist Lock Receptable Only **TPR**
- ☐ 7-Pin Twist Lock Receptable Only **TPR7**
- ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) **HLSW**
- ☐ Photo Cell + Voltage (Example: PC120V) **PC+V**
- ☐ Single Fuse (120V, 277V) **SF**
- ☐ Double Fuse (208V, 240V) **DF**
- ☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc) **MS-F311**

U.S. Pole Co Inc. | 660 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 Fax (661) 233-2001
www.usaltg.com

U.S. ARCHITECTURAL LIGHTING

DSDP SERIES - PLED

LED Count	Source Type	Source	Initial Lumens - 4000K CCT	Initial Lumens - 3000K CCT	Initial Lumens - 5000K CCT	L70 greater than (HR)	Starting Temp.	System Watts	Volts	Max Input Amps
DSDP22										
20	LED	20 PLED® Optical Module – 350mA	2842 – 3262	2700 – 3098	2984 – 3424	90,000+	-40°F	22/28	120 277 347	.19/.24 .08/.11 .07/.08
20	LED	20 PLED® Optical Module – 525mA	4042 – 4637	3839 – 4405	4243 – 4868	90,000+	-40°F	33/39	120 277 347	.28/.33 .12/.14 .10/.12
20	LED	20 PLED® Optical Module – 700mA	5083 – 5832	4829 - 5540	5337 – 6123	90,000+	-40°F	44/50	120 277 347	.37/.42 .16/.18 .13/.15
20	LED	20 PLED® Optical Module – 875mA	6108 – 7008	5802 – 6657	6413 – 7358	90,000+	-40°F	56/62	120 277 347	.47/.52 .21/.23 .17/.18
20	LED	20 PLED® Optical Module – 1050mA	7086 – 8131	6732 – 7725	7441 – 8537	90,000+	-40°F	67/73	120 277 347	.56/.61 .25/.27 .20/.21
36	LED	36 PLED® Optical Module – 350mA	5116 – 5871	4860 – 5577	5371 – 6164	90,000+	-40°F	40/46	120 277 347	.34/.39 .15/.17 .12/.14
36	LED	36 PLED® Optical Module – 525mA	7274 – 8346	6910 – 7929	7638 – 8763	90,000+	-40°F	60/66	120 277 347	.50/.55 .22/.24 .18/.20
36	LED	36 PLED® Optical Module – 700mA	9149 – 10497	8691 – 9972	9606 – 11022	90,000+	-40°F	79/85	120 277 347	.66/.71 .29/.31 .23/.25
36	LED	36 PLED® Optical Module – 875mA	10994 – 12614	10444 – 11983	11544 – 13245	90,000+	-40°F	101/107	120 277 347	.85/.90 .37/.39 .30/.31
36	LED	36 PLED® Optical Module – 1050mA	12755 – 14635	12117 – 13903	13392 – 15367	90,000+	-40°F	120/126	120 277 347	1.00/1.05 .44/.46 .35/.37
48	LED	48 PLED® Optical Module – 350mA	6821 – 7827	6480 – 7435	7162 – 8218	90,000+	-40°F	53/59	120 277 347	.45/.50 .20/.22 .16/.17
48	LED	48 PLED® Optical Module – 525mA	9699 – 11128	9214 – 10572	10183 – 11684	90,000+	-40°F	79/85	120 277 347	.66/.71 .29/.31 .23/.25
48	LED	48 PLED® Optical Module – 700mA	12199 – 13398	11589 – 13296	12808 – 14696	90,000+	-40°F	106/112	120 277 347	.89/.94 .39/.41 .31/.33
48	LED	48 PLED® Optical Module – 875mA	14659 – 16819	13926 – 15978	15392 – 17660	90,000+	-40°F	134/140	120 277 347	1.12/1.17 .49/.51 .39/.41
DSDP25										
36	LED	36 PLED® Optical Module – 350mA	5126 – 5882	4870 – 5588	5383 – 6176	90,000+	-40°F	40/46	120 277 347	.34/.39 .15/.17 .12/.14
36	LED	36 PLED® Optical Module – 525mA	7382 – 8470	7013 – 8047	7751 – 8894	90,000+	-40°F	59/65	120 277 347	.50/.55 .23/.24 .17/.19
36	LED	36 PLED® Optical Module – 700mA	9362 – 10742	8894 – 10205	9830 – 11279	90,000+	-40°F	79/85	120 277 347	.66/.71 .29/.31 .23/.25
36	LED	36 PLED® Optical Module – 875mA	10719 – 12298	10183 – 11682	11254 – 12913	90,000+	-40°F	103/109	120 277 347	.86/.91 .38/.40 .30/.32
36	LED	36 PLED® Optical Module – 1050mA	12435 – 14268	11813 – 13554	13057 – 14981	90,000+	-40°F	116/122	120 277 347	.97/1.02 .42/.44 .34/.36
48	LED	48 PLED® Optical Module – 350mA	6835 – 7843	6493 – 7450	7177 – 8235	90,000+	-40°F	53/59	120 277 347	.45/.50 .20/.23 .16/.17

DSDP SERIES - PLED

LED Count	Source Type	Source	Initial Lumens - 4000K CCT	Initial Lumens - 3000K CCT	Initial Lumens - 5000K CCT	L70 greater than (HR)	Starting Temp.	System Watts	Volts	Max Input Amps
DSDP25										
48	LED	48 PLED® Optical Module – 525mA	9843 – 11294	9351 – 10729	10336 – 11859	90,000+	-40°F	78/84	120 277 347	.65/.70 .29/.31 .23/.25
48	LED	48 PLED® Optical Module – 700mA	12483 – 14323	11859 – 13607	13107 – 15038	90,000+	-40°F	105/111	120 277 347	.88/.93 .38/.40 .31/.32
48	LED	48 PLED® Optical Module – 875mA	14292 – 16397	13577 – 15577	15006 – 17217	90,000+	-40°F	137/143	120 277 347	1.15/1.20 .50/.52 .40/.42
48	LED	48 PLED® Optical Module – 1050mA	16581 – 19024	15752 – 18073	17409 – 19975	90,000+	-40°F	154/160	120 277 347	1.29/1.34 .56/.58 .45/.47
80	LED	80 PLED® Optical Module – 350mA	11392 – 13071	10823 – 12418	11962 – 13724	90,000+	-40°F	88/94	120 277 347	.74/.79 .32/.34 .26/.27
80	LED	80 PLED® Optical Module – 525mA	16406 – 18823	15585 – 17882	17226 – 19765	90,000+	-40°F	130/136	120 277 347	1.09/1.14 .47/.50 .38/.40
80	LED	80 PLED® Optical Module – 700mA	20805 – 23871	19765 – 22678	21845 – 25065	90,000+	-40°F	174/180	120 277 347	1.45/1.50 .63/.65 .50/.52
80	LED	80 PLED® Optical Module – 875mA	23819 – 27329	22628 – 25962	25010 – 28695	90,000+	-40°F	226/232	120 277 347	1.89/1.94 .82/.84 .66/.69
Phosphor Converted Amber LED										
DSDP22										
20	PCA - LED	20 PLED® Optical Module – 350mA	1478 – 1696			51,000+	-40°F	25	120 277 347	.21 .10 .08
20	PCA - LED	20 PLED® Optical Module – 525mA	2102 – 2411			51,000+	-40°F	37	120 277 347	.31 .14 .11
20	PCA - LED	20 PLED® Optical Module – 700mA	2643 – 3033			51,000+	-40°F	50	120 277 347	.42 .18 .15
36	PCA - LED	36 PLED® Optical Module – 350mA	2660 – 3053			51,000+	-40°F	45	120 277 347	.38 .17 .13
36	PCA - LED	36 PLED® Optical Module – 525mA	3783 – 4340			51,000+	-40°F	67	120 277 347	.56 .25 .20
36	PCA - LED	36 PLED® Optical Module – 700mA	4757 – 5459			51,000+	-40°F	89	120 277 347	.75 .33 .26
48	PCA - LED	48 PLED® Optical Module – 350mA	3547 – 4070			51,000+	-40°F	59	120 277 347	.50 .22 .17
48	PCA - LED	48 PLED® Optical Module – 525mA	5043 – 5787			51,000+	-40°F	89	120 277 347	.75 .33 .26
48	PCA - LED	48 PLED® Optical Module – 700mA	6343 – 7278			51,000+	-40°F	118	120 277 347	.99 .43 .34
DSDP25										
36	PCA - LED	36 PLED® Optical Module – 350mA	2666 – 3059			51,000+	-40°F	45	120 277 347	.38 .17 .13
36	PCA - LED	36 PLED® Optical Module – 525mA	3839 – 4405			51,000+	-40°F	66	120 277 347	.56 .24 .19

DSDP SERIES - PLED

LED Count	Source Type	Source	Initial Lumens - 4000K CCT	Initial Lumens - 3000K CCT	Initial Lumens - 5000K CCT	L70 greater than (HR)	Starting Temp.	System Watts	Volts	Max Input Amps
Phosphor Converted Amber LED										
DSDP25										
36	PCA - LED	**36 PLED®** Optical Module – 700mA	4868 – 5586			51,000+	-40°F	88	120 277 347	.74 .32 .26
48	PCA - LED	**48 PLED®** Optical Module – 350mA	3554 – 4078			51,000+	-40°F	59	120 277 347	.50 .22 .17
48	PCA - LED	**48 PLED®** Optical Module – 525mA	5119 – 5873			51,000+	-40°F	87	120 277 347	.73 .32 .25
48	PCA - LED	**48 PLED®** Optical Module – 700mA	6491 – 7448			51,000+	-40°F	117	120 277 347	.98 .43 .34
80	PCA - LED	**80 PLED®** Optical Module – 350mA	11392 – 13071			51,000+	-40°F	98	120 277 347	.82 .36 .29
80	PCA - LED	**80 PLED®** Optical Module – 525mA	16406 – 18823			51,000+	-40°F	145	120 277 347	1.21 .52 .42
80	PCA - LED	**80 PLED®** Optical Module – 700mA	20805 – 23871			51,000+	-40°F	195	120 277 347	1.63 .71 .57
True Amber LED - 590nm										
DSDP22										
20	TRA - LED	**20 PLED®** Optical Module – 350mA	854 – 979			66,500+	-40°F	18	120 277 347	.15 .07 .06
20	TRA - LED	**20 PLED®** Optical Module – 525mA	1022 – 1172			66,500+	-40°F	26	120 277 347	.22 .10 .08
36	TRA - LED	**36 PLED®** Optical Module – 350mA	1536 – 1762			66,500+	-40°F	31	120 277 347	.26 .12 .09
36	TRA - LED	**36 PLED®** Optical Module – 525mA	1838 – 2109			66,500+	-40°F	47	120 277 347	.40 .17 .14
48	TRA - LED	**48 PLED®** Optical Module – 350mA	2048 – 2350			66,500+	-40°F	41	120 277 347	.35 .15 .12
48	TRA - LED	**48 PLED®** Optical Module – 525mA	2451 – 2812			66,500+	-40°F	62	120 277 347	.52 .23 .18
DSDP25										
36	TRA - LED	**36 PLED®** Optical Module – 350mA	1539 – 1766			66,500+	-40°F	31	120 277 347	.26 .12 .09
36	TRA - LED	**36 PLED®** Optical Module – 525mA	1866 – 2140			66,500+	-40°F	46	120 277 347	.39 .18 .14
48	TRA - LED	**48 PLED®** Optical Module – 350mA	2053 – 2355			66,500+	-40°F	41	120 277 347	.35 .19 .12
48	TRA - LED	**48 PLED®** Optical Module – 525mA	2488 – 2854			66,500+	-40°F	61	120 277 347	.51 .22 .18
80	TRA - LED	**80 PLED®** Optical Module – 350mA	3421 – 3925			66,500+	-40°F	67	120 277 347	.56 .25 .20

LED Count	Source Type	Source	Initial Lumens - 4000K CCT	Initial Lumens - 3000K CCT	Initial Lumens - 5000K CCT	L70 greater than (HR)	Starting Temp.	System Watts	Volts	Max Input Amps
True Amber LED - 590nm										
DSDP25										
80	TRA - LED	**80 PLED® Optical Module – 525mA**	4146 – 4757			66,500+	-40°F	101	120	.85
									277	.37
									347	.30

1) Max Input Amps is the highest of starting, operating, or open circuit currents

2) System Watts includes the source watts and all driver components.

3) Lumen values for LED Modules vary according to the distribution type

4) For Wattage and Max Input Amps showing two values, use the higher value for luminaires with lit uplight windows (-L & -M)

5) PCA and TRA LED optics not recommended for use with lit uplight window models (-L & -M)

6) Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 20KV surge suppressors.

7) L70(10K) – TM-21 6x rule applied

WARNING: All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

SOLID STATE AREA LIGHTING

DSDP SERIES - VLED

PROJECT NAME:

FIXTURE TYPE:

FEATURES

Luminaire

Upper housing is heavy gauge cast aluminum (min. .125" wall; alloy >0.2% Cu for DSDP25) or 0.125" thick spun aluminum with reveal (.125" min. wall for DSDP22). Lower housing is 0.080" thick spun aluminum with integrated LED module seat. Lower housing is vented at top and bottom for convective cooling of LED module. Top Driver chamber is sealed from LED Module chamber. Trulevel ball coupling mount is welded to housing and facilitates quick leveling and installation.

VLED® Optics

Low copper (A356 Alloy; <0.2% Cu) cast aluminum housing. Integrated clear tempered glass lens sealed with a continuous silicone gasket protects emitters (LED's), Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. Module is sealed to meet an IP67 rating. Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism is secured to an optical plate made of matte black anodized aluminum has indexing pins for precise aiming. The optical plate locates every Reflector-Prism over an emitter, are inserted to the optical plate from above and are secured with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord.

LED Emitters

High output LED's are utilized with drive currents ranging from 350mA to 700mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED Driver

Constant current programmable electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field installation.)

Amber LED's

PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

Finish

Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

DSDP25

Patent pending

DSDP22

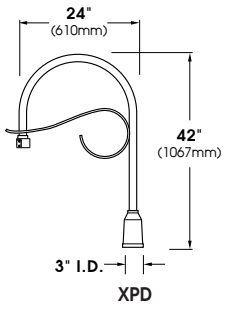
(Formerly DSDP1)

Patent pending

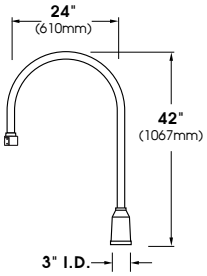
DSDP SERIES - VLED

SPECIFICATIONS

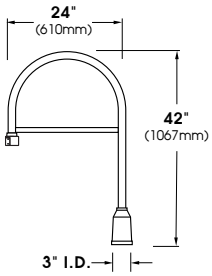
Mounting Styles



XPD



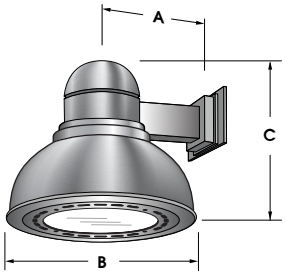
XPK



XPS

Arms are heavy wall extruded aluminum construction. For additional arm options see arm section.

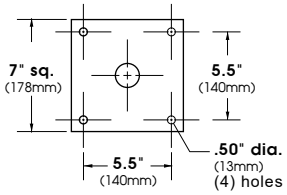
Wall Mount



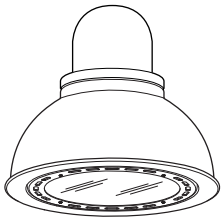
Fixture	A	B	C
DSDP25	18" (457mm)	25" (635mm)	21" (533mm)
DSDP22	14" (356mm)	22" (559mm)	20" (508mm)

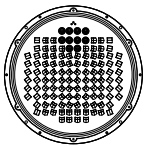
Extruded aluminum arm and cast aluminum wall bracket assembly provided with built in gasketed wire access for fixture/supply wire connection.

Wall Plate



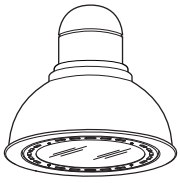
LED Power Array™ Modules

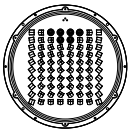




120 LED Module

DSDP25 E.P.A.= 1.52
Available in:
120 LED Module Max





80 LED Module

DSDP22 E.P.A.= 1.10
Available in:
80 LED Module Max

ORDERING INFORMATION

Spec/Order Example: DSDP25/VLED-III-W/80LED-525mA/NW/277/1/RAL-7005-S

Luminaire	Optics	LED Mode	Voltage	Mounting	Finish	Options

Luminaire

- ☐ **DSDP25-VLED**
- ☐ **DSDP22-VLED** (Formerly DSDP1)

Optics

VLED® IES Distribution Type

- ☐ Type II **VLED-II**
- ☐ Type III **VLED-III**
- ☐ Type IV **VLED-IV**
- ☐ Type V Med. **VLED-V-SQ**

LED

# of LEDs

DSDP25
- ☐ **120LED**[1]
- ☐ **100LED**[1]
- ☐ **80LED**
- ☐ **64LED**

DSDP22
- ☐ **80LED**[1]
- ☐ **64LED**
- ☐ **48LED**

Drive Current
- ☐ **700mA**
- ☐ **525mA**
- ☐ **350mA**

Color Temp - CCT
- ☐ **NW (4000K)*** *Standard
- ☐ **CW (5000K)**
- ☐ **WW (3000K)**

Other LED Colors Available Consult Factory

Amber[2]
- ☐ Phosphor Converted Amber **PCA**
- ☐ True Amber[1] **TRA**

NOTES:
1 - Available in 350mA & 525mA Drive Currents only
2 - Narrow band Ambers have no definable CCT equivalent

Voltage

- ☐ **120**
- ☐ **208**
- ☐ **240**
- ☐ **277**
- ☐ **347**
- ☐ **480**

Mounting

- ☐ **XPK**
- ☐ **XPS**
- ☐ **XPD**
- ☐ **1**

Wallmount
- ☐ **WM**

See USALTG.COM for additional arm styles

Finish

Standard Textured Finish
- ☐ Black **RAL-9005-T**
- ☐ White **RAL-9003-T**
- ☐ Grey **RAL-7004-T**
- ☐ Dark Bronze **RAL-8019-T**
- ☐ Green **RAL-6005-T**

For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)

Consult factor for custom colors

Options

- ☐ Stem Mount + Length(in) (48" Max) **SM+L**
- ☐ Chain Mount + Length(in) (48" Max) **CM+L**
- ☐ Internal House Side Shields inc. LED Count (Example: HS-VLED/48) **HS-VLED**
- ☐ Twist Lock Receptable Only **TPR**
- ☐ 7-Pin Twist Lock Receptable Only **TPR7**
- ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) **HLSW**
- ☐ Photo Cell + Voltage (Example: PC120V) **PC+V**
- ☐ Single Fuse (120V, 277V) **SF**
- ☐ Double Fuse (208V, 240V) **DF**
- ☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc) **MS-F311**

U.S. Pole Co Inc. | 660 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 Fax (661) 233-2001
www.usaltg.com

U.S. ARCHITECTURAL LIGHTING

DSDP SERIES - VLED

LED Count	Source Type	Source	Initial Lumens - 4000K CCT	Initial Lumens - 3000K CCT	Initial Lumens - 5000K CCT	L70 greater than (HR)	Starting Temp.	System Watts	Volts	Max Input Amps
DSDP22										
48	White LED	48 VLED® Optical Module – 350mA	6169 - 6558	5860 - 6230	6478 - 6886	90,000+	-40°C	53/59	120 277 347	0.44/0.49 0.19/0.21 0.15/0.17
48	White LED	48 VLED® Optical Module – 525mA	8494 - 9031	8069 - 8579	8919 - 9482	90,000+	-40°C	77/83	120 277 347	0.64/0.69 0.28/0.3 0.22/0.24
48	White LED	48 VLED® Optical Module – 700mA	10635 - 11307	10103 - 10742	11167 - 11872	90,000+	-40°C	103/109	120 277 347	0.86/0.91 0.37/0.39 0.3/0.31
64	White LED	64 VLED® Optical Module – 350mA	8225 - 8338	7813 - 7921	8636 - 8755	90,000+	-40°C	69/75	120 277 347	0.58/0.63 0.25/0.27 0.2/0.22
64	White LED	64 VLED® Optical Module – 525mA	11325 - 11481	10759 - 10907	11891 - 12055	90,000+	-40°C	102/108	120 277 347	0.85/0.9 0.37/0.39 0.29/0.31
80	White LED	80 VLED® Optical Module – 350mA	9675 - 9808	9191 - 9317	10159 - 10298	90,000+	-40°C	87/93	120 277 347	0.73/0.78 0.31/0.34 0.25/0.27
80	White LED	80 VLED® Optical Module – 525mA	13189 - 13370	12529 - 12701	13848 - 14038	90,000+	-40°C	127/133	120 277 347	1.06/1.11 0.46/0.48 0.37/0.38
DSDP25										
48	White LED	48 VLED® Optical Module – 350mA	6169 - 6558	5860 - 6230	6478 - 6886	90,000+	-40°C	53/59	120 277 347	0.44/0.49 0.19/0.21 0.15/0.17
48	White LED	48 VLED® Optical Module – 525mA	8494 - 9031	8069 - 8579	8919 - 9482	90,000+	-40°C	75/81	120 277 347	0.63/0.68 0.27/0.29 0.22/0.23
48	White LED	48 VLED® Optical Module – 700mA	10635 - 11307	10103 - 10742	11167 - 11872	90,000+	-40°C	105/111	120 277 347	0.88/0.93 0.38/0.4 0.3/0.32
64	White LED	64 VLED® Optical Module – 350mA	8225 - 8745	7813 - 8308	8636 - 9183	90,000+	-40°C	71/77	120 277 347	0.59/0.64 0.26/0.28 0.2/0.22
64	White LED	64 VLED® Optical Module – 525mA	11325 - 12042	10759 - 11440	11891 - 12644	90,000+	-40°C	103/109	120 277 347	0.86/0.91 0.37/0.39 0.3/0.31
64	White LED	64 VLED® Optical Module – 700mA	13190 - 13824	12531 - 13133	13849 - 14516	90,000+	-40°C	140/146	120 277 347	1.17/1.22 0.51/0.53 0.4/0.42
80	White LED	80 VLED® Optical Module – 350mA	9675 - 10286	9191 - 9772	10159 - 10801	90,000+	-40°C	87/93	120 277 347	0.73/0.78 0.31/0.34 0.25/0.27
80	White LED	80 VLED® Optical Module – 525mA	13189 - 14023	12529 - 13322	13848 - 14724	90,000+	-40°C	127/133	120 277 347	1.06/1.11 0.46/0.48 0.37/0.38
80	White LED	80 VLED® Optical Module – 700mA	16487 - 17280	15662 - 16416	17311 - 18144	90,000+	-40°C	173/179	120 277 347	1.44/1.49 0.62/0.65 0.5/0.52
100	White LED	100 VLED® Optical Module – 350mA	11776 - 12304	11187 - 11689	12365 - 12919	90,000+	-40°C	108/114	120 277 347	0.9/0.95 0.39/0.41 0.31/0.33
100	White LED	100 VLED® Optical Module – 525mA	16291 - 17025	15476 - 16174	17106 - 17877	90,000+	-40°C	160/166	120 277 347	1.33/1.38 0.58/0.6 0.46/0.48
120	White LED	120 VLED® Optical Module – 350mA	14129 - 14765	13423 - 14027	14836 - 15503	90,000+	-40°C	129/135	120 277 347	1.08/1.13 0.47/0.49 0.37/0.39
120	White LED	120 VLED® Optical Module – 525mA	19549 - 20430	18572 - 19408	20527 - 21451	90,000+	-40°C	192/198	120 277 347	1.6/1.65 0.69/0.71 0.55/0.57

DSDP SERIES - VLED

LED Count	Source Type	Source	Initial Lumens	L70 greater than (HR)	Starting Temp.	System Watts	Volts	Max Input Amps
Phosphor Converted Amber LED								
DSDP22								
48	PC Amber	48 VLED® Optical Module – 350mA	3208 - 3410	51,000+	-40°C	59	120 277 347	0.49 0.21 0.17
48	PC Amber	48 VLED® Optical Module – 525mA	4417 - 4696	51,000+	-40°C	86	120 277 347	0.72 0.31 0.25
48	PC Amber	48 VLED® Optical Module – 700mA	5530 - 5880	51,000+	-40°C	115	120 277 347	0.96 0.42 0.33
64	PC Amber	64 VLED® Optical Module – 350mA	4277 - 4547	51,000+	-40°C	80	120 277 347	0.67 0.29 0.23
64	PC Amber	64 VLED® Optical Module – 525mA	5889 - 6262	51,000+	-40°C	114	120 277 347	0.95 0.41 0.33
80	PC Amber	80 VLED® Optical Module – 350mA	5031 - 5349	51,000+	-40°C	97	120 277 347	0.81 0.35 0.28
80	PC Amber	80 VLED® Optical Module – 525mA	6858 - 7292	51,000+	-40°C	142	120 277 347	1.18 0.51 0.41
DSDP25								
48	PC Amber	48 VLED® Optical Module – 350mA	3208 - 3410	51,000+	-40°C	60	120 277 347	0.50 0.22 0.17
48	PC Amber	48 VLED® Optical Module – 525mA	4417 - 4696	51,000+	-40°C	84	120 277 347	0.70 0.30 0.24
48	PC Amber	48 VLED® Optical Module – 700mA	5530 - 5880	51,000+	-40°C	118	120 277 347	0.98 0.43 0.34
64	PC Amber	64 VLED® Optical Module – 350mA	4277 - 4547	51,000+	-40°C	80	120 277 347	0.67 0.29 0.23
64	PC Amber	64 VLED® Optical Module – 525mA	5889 - 6262	51,000+	-40°C	116	120 277 347	0.97 0.42 0.33
64	PC Amber	64 VLED® Optical Module – 700mA	6859 - 7189	51,000+	-40°C	157	120 277 347	1.31 0.57 0.45
80	PC Amber	80 VLED® Optical Module – 350mA	5031 - 5349	51,000+	-40°C	98	120 277 347	0.82 0.35 0.28
80	PC Amber	80 VLED® Optical Module – 525mA	6858 - 7292	51,000+	-40°C	142	120 277 347	1.18 0.51 0.41
80	PC Amber	80 VLED® Optical Module – 700mA	8573 - 8986	51,000+	-40°C	194	120 277 347	1.62 0.70 0.56
100	PC Amber	100 VLED® Optical Module – 350mA	6124 - 6398	51,000+	-40°C	121	120 277 347	1.01 0.44 0.35
100	PC Amber	100 VLED® Optical Module – 525mA	8471 - 8853	51,000+	-40°C	179	120 277 347	1.49 0.65 0.52
120	PC Amber	120 VLED® Optical Module – 350mA	7347 - 7678	51,000+	-40°C	145	120 277 347	1.21 0.52 0.42
120	PC Amber	120 VLED® Optical Module – 525mA	10166 - 10624	51,000+	-40°C	215	120 277 347	1.79 0.78 0.62

DSDP SERIES - VLED

LED Count	Source Type	Source	Initial Lumens	L70 greater than (HR)	Starting Temp.	System Watts	Volts	Max Input Amps
True Amber LED - 590nm								
DSDP22								
48	True Amber	48 VLED® Optical Module – 350mA	1841 - 1957	66,500+	-40°C	41	120 277 347	0.34 0.15 0.12
48	True Amber	48 VLED® Optical Module – 525mA	2535 - 2695	66,500+	-40°C	60	120 277 347	0.50 0.22 0.17
64	True Amber	64 VLED® Optical Module – 350mA	2454 - 2610	66,500+	-40°C	55	120 277 347	0.46 0.20 0.16
64	True Amber	64 VLED® Optical Module – 525mA	3379 - 3593	66,500+	-40°C	80	120 277 347	0.67 0.29 0.23
80	True Amber	80 VLED® Optical Module – 350mA	2887 - 3070	66,500+	-40°C	66	120 277 347	0.55 0.24 0.19
80	True Amber	80 VLED® Optical Module – 525mA	3936 - 4185	66,500+	-40°C	98	120 277 347	0.82 0.35 0.28
DSDP25								
48	True Amber	48 VLED® Optical Module – 350mA	1841 - 1957	66,500+	-40°C	41	120 277 347	0.34 0.15 0.12
48	True Amber	48 VLED® Optical Module – 525mA	2535 - 2695	66,500+	-40°C	58	120 277 347	0.48 0.21 0.17
64	True Amber	64 VLED® Optical Module – 350mA	2454 - 2610	66,500+	-40°C	55	120 277 347	0.46 0.20 0.16
64	True Amber	64 VLED® Optical Module – 525mA	3379 - 3593	66,500+	-40°C	80	120 277 347	0.67 0.29 0.23
80	True Amber	80 VLED® Optical Module – 350mA	2887 - 3070	66,500+	-40°C	67	120 277 347	0.56 0.24 0.19
80	True Amber	80 VLED® Optical Module – 525mA	3936 - 4185	66,500+	-40°C	98	120 277 347	0.82 0.35 0.28
100	True Amber	100 VLED® Optical Module – 350mA	3514 - 3672	66,500+	-40°C	83	120 277 347	0.69 0.30 0.24
100	True Amber	100 VLED® Optical Module – 525mA	4861 - 5080	66,500+	-40°C	123	120 277 347	1.03 0.44 0.35
120	True Amber	120 VLED® Optical Module – 350mA	4216 - 4406	66,500+	-40°C	99	120 277 347	0.83 0.36 0.29
120	True Amber	120 VLED® Optical Module – 525mA	5834 - 6097	66,500+	-40°C	148	120 277 347	1.23 0.53 0.43

Project	430 Ottawa St. Almonte	**Catalog #**		**Type**	2
Prepared by	Waterman Sales	**Notes**	BUDGET COST APPROX. $867.00	**Date**	03/16/2023

McGraw-Edison

GPC Galleon Pedestrian Companion

Area / Site Luminaire

Product Features

Light ARchitect™

BAA

Interactive Menu

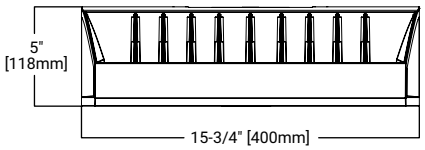
Product Certifications

DLC[1] DLC PREMIUM[1] ISO CERTIFIED UL CERTIFIED FC CLASS A IP66 5 YEAR LIMITED WARRANTY ida DARK SKY APPROVED[2]

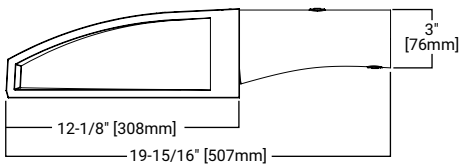
Quick Facts

- Choice of sixteen high-efficiency, patented AccuLED Optics
- Quick mount pole or mast-arm mounting configurations
- Eight lumen packages from 3,215 up to 17,056 lumens
- IP66 rated housing and LED light squares

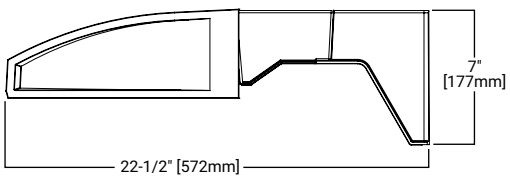
Dimensional Details



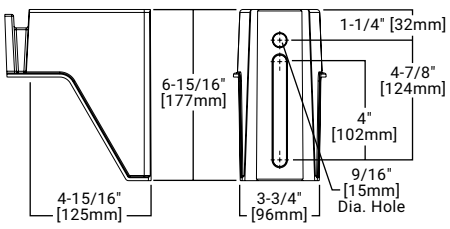
Mast Arm Mount



Quick Mount Arm



Quick Mount Arm (Pole Mounting Details)



EPA

Effective Projected Area (Sq. Ft.)	
Quick Mount Arm	0.73
Mast Arm	0.62

Weight

Approximate Net Weight
27 lbs. (12.2 kgs.)

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **GPC-SA2C-740-U-T4FT-GM**

Product Family	Light Engine		Color Temperature	Voltage	Distribution	Mounting Options	Finish
	Configuration	Drive Current					
GPC=Galleon Pedestrian Companion **BAA-GPC**=Galleon Pedestrian Companion, Buy American Act Compliant [34] **TAA-GPC**=Galleon Pedestrian Companion, Trade Agreements Act Compliant [34]	**SA1**=1 Square **SA2**=2 Squares [2]	**A**=615mA **B**=800mA **C**=1000mA **D**=1200mA [4]	**722**=70CRI, 2200K **727**=70CRI, 2700K **730**=70CRI, 3000K **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K **760**=70CRI, 6000K **827**=80CRI, 2700K **830**=80CRI, 3000K **AMB**=Amber, 590nm [3, 4]	**U**=120-277V **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [6,7] **9**=347V [6] **DV**=277-480V DuraVolt Drivers [7, 8, 36]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **5NQ**=Type V Square Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **AFL**=Automotive Frontline	**QM**=Quick Mount Arm for Round or Square Pole [2,13] **MA**=2-3/8" Mast Arm [2, 14]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix) [1]	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately)[35]
F=Single Fused (120, 277 or 347V. Must Specify Voltage) **FF**=Double Fused (208, 240 or 480V. Must Specify Voltage) **10K**=10kV Surge Module **20K**=20kV UL 1449 Fused Surge Protective Device **DIM**=External 0-10V Dimming Leads [9, 10] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **HSS**=Factory Installed House Side Shield [23] **GRSBK**=Factory Installed Glare Shield, BK [4, 27] **GRSWH**=Factory Installed Glare Shield, WH [4, 27] **UPL**=Uplight Housing [13] **HA**=50°C High Ambient [12] **LCF**=Light Square Trim Plate Painted to Match Housing [22] **MT**=Factory Installed Mesh Top **CC**=Coastal Construction finish [5] **CE**=CE Marking and Small Terminal Block [24] **AHD145**=After Hours Dim, 5 Hours [16] **AHD245**=After Hours Dim, 6 Hours [16] **AHD255**=After Hours Dim, 7 Hours [16] **AHD355**=After Hours Dim, 8 Hours [16] **DALI**=DALI Driver [11]	**BPC**=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) **PR**=NEMA 3-PIN Twistlock Photocontrol Receptacle **PR7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [15] **FADC**=Field Adjustable Dimming Controller [37] **SPB1**=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting [19,33] **SPB2**=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting [19,33] **SPB4**=Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [19,33] **MS-LXX**=Motion Sensor for On/Off Operation [17, 18, 19] **MS/DIM-LXX**=Motion Sensor for Dimming Operation [17, 18, 19] **ZW**=WaveLinx-enabled 4-PIN Twistlock Receptacle [29, 30] **ZD**=WaveLinx Module with DALI driver and 4-PIN Receptacle [29, 30] **SWPD4XX**=WaveLinx Sensor Only, 7'-15' [31, 32] **SWPD5XX**=WaveLinx Sensor Only, 15'-40' [31, 32] **WOBXX**=WaveLinx Sensor with Bluetooth, 7'-15' [31, 32] **WOFXX**=WaveLinx Sensor with Bluetooth, 15'-40' [31, 32] **LWR-LW**=Enlighted Wireless Sensor, Wide Lens for 8'-16' Mounting Height [19, 20, 21] **LWR-LN**=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting Height [19, 20, 21]	**OA/RA1013**=Photocontrol Shorting Cap [28] **OA/RA1016**=NEMA Photocontrol - Multi-Tap 105-285V [28] **OA/RA1201**=NEMA Photocontrol - 347V [28] **OA/RA1027**=NEMA Photocontrol - 480V [28] **MA1252**=10kV Circuit Module Replacement **MA1059XX**=Thru-branch Back Box (Must Specify Color) **LS/HSS**=Field Installed House Side Shield [23, 25] **LS/GRSBK-2PK**=Glare Shield, Black [8, 25, 27] **LS/GRSWH-2PK**=Glare Shield, White [8, 25, 27] **LS/PFS**=Perimeter Shield, Black **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [17] **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-pin) [26, 29] **SWPD4-XX**=Wavelinx Wireless Sensor, 7' – 15' Mounting Height [29, 30, 31, 32] **SWPD5-XX**=Wavelinx Wireless Sensor, 15' – 40' Mounting Height [29, 30, 31, 32]

NOTES:

1. DesignLight Consortium® Qualified. Refer to www.designlights.org, Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional information
3. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
4. Not available with HA option.
5. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
6. Require the use of a step down transformer. Not available in combination with sensor options at 1200mA.
7. 480V not to be used with ungrounded or impedance grounded systems.
8. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
9. Cannot be used with other control options.
10. Low voltage control leads extended 18" from fixture.
11. Not available in 1200mA. When used with CBP or HA options, only available with single light square.
12. Not available in 1200mA, UPL or CBP options. Available with single light square.
13. Quick mount arm adapter is factory installed. Pole mounting bracket shipped in box. Suitable for 1.5G. Fits square and round poles up to 6" O.D.
14. Mast arm adapter factory installed (2-3/8" O.D. arm only). Suitable for 3G vibration.
15. Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
16. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
17. The FSIR-100 configuration tool is required to adjust parameters such as high and low modes, sensitivity, time delay and cutoff. Consult your lighting representative at Cooper Lighting Solutions for more information.
18. Replace LXX with L08 (<8' mounting), L20 (8'-20' mounting) or L40W (21'-40' mounting.)
19. Includes integral photosensor.
20. Enlighted wireless sensors are factory installed requiring network components in appropriate quantities.
21. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
22. Not available with HSS or GRS options.
23. Not for use with 5NQ, 5MQ, 5WQ or RW optics. The light square trim plate is painted black when the HSS option is selected.
24. CE is not available with the 1200, DALI, LWR, MS, MS/DIM, BPC, PR or PR7 options. Available in 120-277V only.
25. One required for each light square.
26. Requires PR7.
27. Not for use with T4FT, T4W or SL4 optics.
29. Cannot be used in conjunction with additional photocontrol or other controls systems (BPC, PR, PR7, MS, LWR).
30. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed.
31. Requires ZW or ZD receptacle.
32. Replace XX with sensor color (WH, BZ, or BK).
33. Smart device with mobile application required to change system defaults. See controls section for details.
34. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
35. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements Consult factory for further information.
36. Not available in 1 square configuration at 800mA or below. Not available with any control option except SPB.
37. Cannot be used with PR7 or other motion response control options.

Product Specifications

Construction

- Driver enclosure thermally isolated from optics for optimal thermal performance
- Die-cast aluminum heat sinks
- IP66 rated housing
- 1.5G vibration rated

Optics

- Patented, high-efficiency injection-molded AccuLED Optics technology
- 13 optical distributions
- Dark Sky Approved (3000K CCT and warmer only)

Electrical

- LED driver assembly mounted for ease of maintenance
- Standard with 0-10V dimming
- Optional 10kV or 20kV surge module
- Suitable for operation in -40C to 40C ambient environments. Optional 50C high ambient (HA) configuration.

Mounting

- Gasketed and zinc plated rigid steel mounting attachment
- "Hook-N-Lock" mechanism for easy installation

Finish

- Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available
- Coastal Construction (CC) option available

Typical Applications

- Outdoor, Parking Lots, Walkways, Roadways, Building Areas

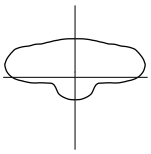
Warranty

- Five-year warranty

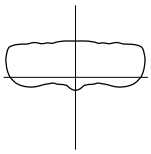
Optical Distributions

Asymmetric Area Distributions

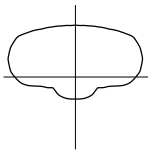
T2 (Type II)



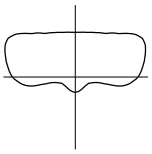
SL2 (Type II with Spill Control)



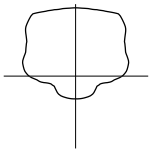
T3 (Type III)



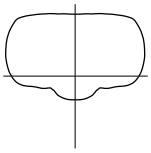
SL3 (Type III with Spill Control)



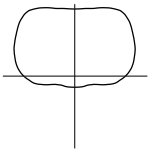
T4FT (Type IV Forward Throw)



T4W (Type IV Wide)

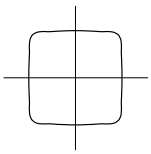


SL4 (Type IV with Spill Control)

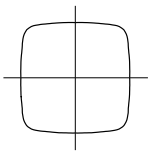


Symmetric Distributions

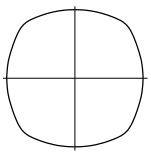
5NQ (Type V Square Narrow)



5MQ (Type V Square Medium)

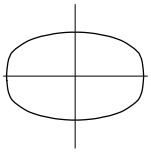


5WQ (Type V Square Wide)

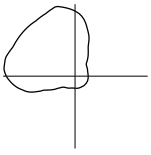


Specialized Distributions

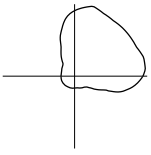
RW (Rectangular Wide Type I)



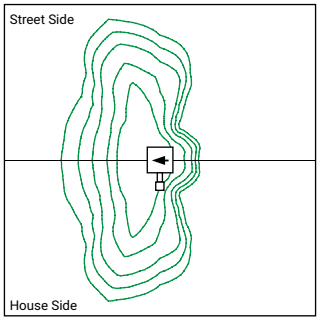
SLL (90° Spill Light Eliminator Left)



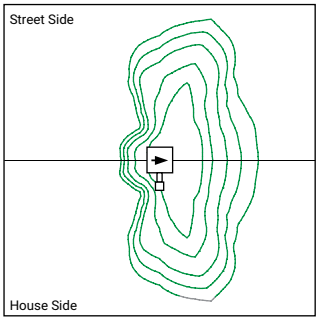
SLR (90° Spill Light Eliminator Right)



Optic Orientation



Optics Rotated Left @ 90° [L90]



Optics Rotated Right @ 90° [R90]

Energy and Performance Data

Lumen Multiplier

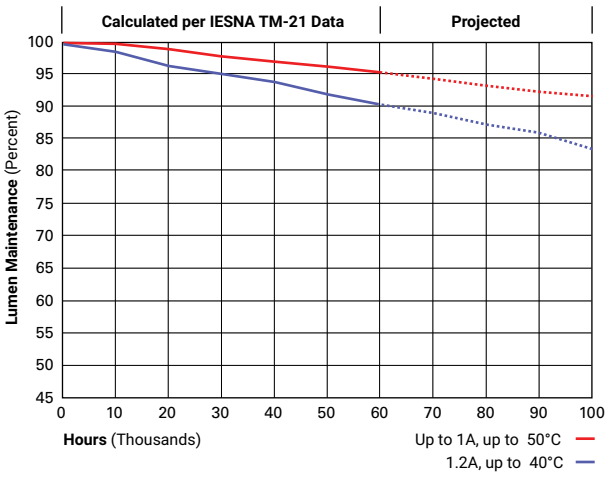
Ambient Temperature	Lumen Multiplier
0ºC	1.02
10ºC	1.01
25ºC	1.00
40ºC	0.99
50ºC	0.97

FADC Settings

FADC Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Lumen Maintenance

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 205,000



Energy and Performance Data

View GPC Galleon Pedestrian IES files

4000K/5000K/6000K CCT, 70 CRI

Number of Light Squares		1				2			
Drive Current		615mA	800mA	1050mA	1.2A	615mA	800mA	1050mA	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (A)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (A)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	Lumens	4,883	5,989	7,412	8,131	9,543	11,703	14,485	15,891
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	Lumens per Watt	144	136	126	121	145	136	128	123
T3	Lumens	4,978	6,105	7,556	8,288	9,729	11,929	14,764	16,196
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	146	139	128	124	147	139	131	126
T4FT	Lumens	5,008	6,140	7,599	8,337	9,783	11,998	14,850	16,290
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	147	140	129	124	148	140	131	126
T4W	Lumens	4,942	6,060	7,502	8,229	9,658	11,843	14,658	16,080
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
	Lumens per Watt	145	138	127	123	146	138	130	125
SL2	Lumens	4,874	5,979	7,399	8,117	9,528	11,684	14,461	15,863
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G3
	Lumens per Watt	143	136	125	121	144	136	128	123
SL3	Lumens	4,976	6,104	7,555	8,287	9,727	11,927	14,763	16,194
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	146	139	128	124	147	139	131	126
SL4	Lumens	4,729	5,799	7,178	7,873	9,239	11,333	14,025	15,387
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4
	Lumens per Watt	139	132	122	118	140	132	124	119
5NQ	Lumens	5,134	6,296	7,793	8,547	10,033	12,303	15,226	16,704
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
	Lumens per Watt	151	143	132	128	152	143	135	129
5MQ	Lumens	5,228	6,412	7,935	8,705	10,216	12,529	15,508	17,011
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	154	146	134	130	155	146	137	132
5WQ	Lumens	5,242	6,428	7,956	8,728	10,244	12,563	15,548	17,056
	BUG Rating	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	154	146	135	130	155	146	138	132
SLL/SLR	Lumens	4,373	5,365	6,640	7,283	8,547	10,481	12,973	14,231
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	129	122	113	109	130	122	115	110
RW	Lumens	5,087	6,238	7,721	8,472	9,941	12,190	15,088	16,553
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	150	142	131	126	151	142	134	128

*** Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.**

3000K CCT, 80 CRI

Number of Light Squares		1				2			
Drive Current		615mA	800mA	1050mA	1.2A	615mA	800mA	1050mA	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (A)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (A)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	Lumens	3,880	4,759	5,890	6,461	7,583	9,300	11,510	12,628
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	114	108	100	96	115	108	102	98
T3	Lumens	3,956	4,851	6,004	6,586	7,731	9,479	11,732	12,870
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	Lumens per Watt	116	110	102	98	117	110	104	100
T4FT	Lumens	3,980	4,879	6,038	6,625	7,774	9,534	11,800	12,945
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	117	111	102	99	118	111	104	100
T4W	Lumens	3,927	4,816	5,961	6,539	7,675	9,411	11,648	12,778
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	116	109	101	98	116	109	103	99
SL2	Lumens	3,873	4,751	5,880	6,450	7,571	9,285	11,491	12,605
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	114	108	100	96	115	108	102	98
SL3	Lumens	3,954	4,851	6,004	6,585	7,729	9,478	11,731	12,868
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	116	110	102	98	117	110	104	100
SL4	Lumens	3,758	4,608	5,704	6,256	7,342	9,006	11,145	12,227
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3
	Lumens per Watt	111	105	97	93	111	105	99	95
5NQ	Lumens	4,080	5,003	6,193	6,792	7,973	9,776	12,099	13,274
	BUG Rating	B2-U0-G0	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2
	Lumens per Watt	120	114	105	101	121	114	107	103
5MQ	Lumens	4,154	5,095	6,305	6,917	8,118	9,956	12,323	13,518
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	122	116	107	103	123	116	109	105
5WQ	Lumens	4,166	5,108	6,322	6,936	8,140	9,983	12,355	13,553
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	123	116	107	104	123	116	109	105
SLL/SLR	Lumens	3,475	4,263	5,276	5,787	6,792	8,329	10,309	11,309
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	102	97	89	86	103	97	91	88
RW	Lumens	4,042	4,957	6,135	6,732	7,900	9,687	11,990	13,154
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
	Lumens per Watt	119	113	104	100	120	113	106	102

* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

Control Options

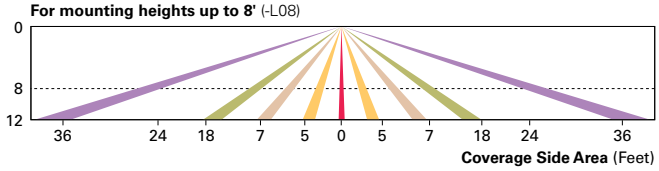
0-10V This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR, and PR7) Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

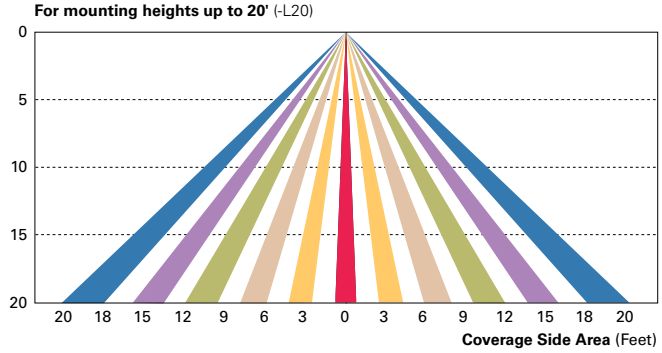
After Hours Dim (AHD) This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM occupancy sensors require the FSIR-100 programming tool to adjust factory defaults.

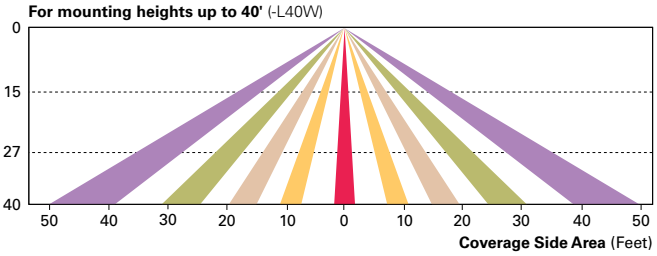
For mounting heights up to 8' (-L08)



For mounting heights up to 20' (-L20)

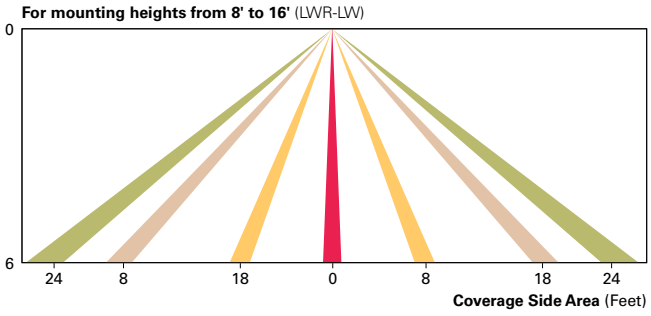


For mounting heights up to 40' (-L40W)

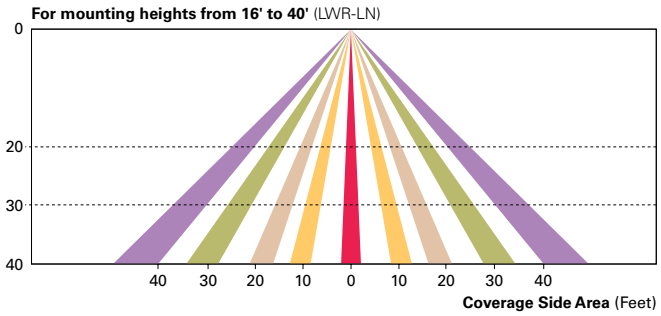


Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Enlighted control system is a connected lighting solution, combining LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes while collecting valuable data about building performance and use. Software applications utilizing energy dashboards maximize data inputs to help optimize the use of other resources beyond lighting.

For mounting heights from 8' to 16' (LWR-LW)



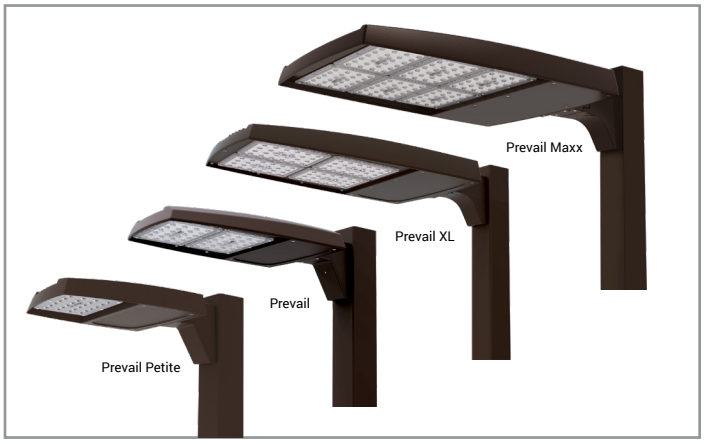
For mounting heights from 16' to 40' (LWR-LN)



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A) The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P. 770-486-4800
www.cooperlighting.com

Project	430 Ottawa St. Almonte	**Catalog #**		**Type**	
Prepared by	Waterman Sales	**Notes**	BUDGET COST APPROX. $630.00	**Date**	03/16/2023



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features

LumenSafe Technology

BAA

Interactive Menu

Product Certifications

ISTI SYSTEMS CERTIFIED · UL CERTIFIED · DLC LISTED [1] · DLC LISTED PREMIUM [1] · FC CLASS A CAN ICES-005 · RoHS COMPLIANT · IP66 · ida DARK SKY APPROVED [2] · LIMITED WARRANTY 5 YEAR

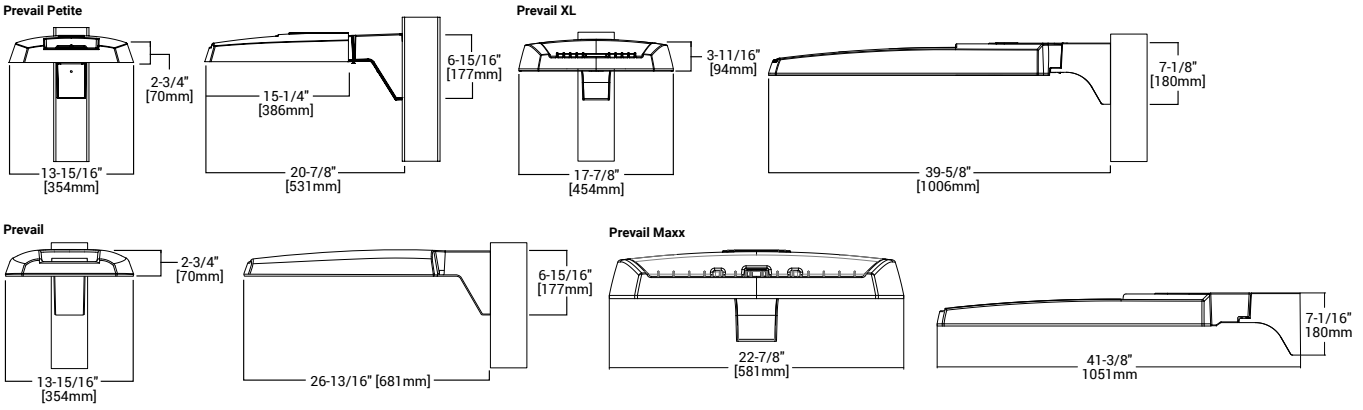
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

Product Family [1, 2]	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current [4]					
PRV-P=Prevail Petite **BAA-PRV-P**=Prevail Petite BAA Buy American Act Compliant [3] **TAA-PRV-P**=Prevail Petite TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle	**A**=400mA Nominal **B**=700mA Nominal **C**=950mA Nominal **D**=1200mA Nominal	**740**=70CRI, 4000K **730**=70CRI, 3000K **750**=70CRI, 5000K	**U**=Universal, 120-277V **H**=High Voltage, 347-480V **9**=347V **8**=480V [5] **DV**=DuraVolt, 277-480V [5, 6]	**T2R**=Type II Roadway **T2U**=Type II Urban **T3**=Type III **T4W**=Type IV Wide **5WQ**=Type V Square Wide	**SA**=QM Standard Versatile Arm **MA**=QM Mast Arm **FMA**=Fixed Mast Arm [28] **WM**=QM Wall Mount Arm **ADJA-WM**= Adjustable Arm – Wall Mount [30] **ADJA**=Adjustable Arm – Pole Mount [30] **ADJS**=Adjustable Arm – Slipfitter, 3" vertical tenon [30] **SP2**=Adjustable Arm – Slipfitter, 2 3/8" vertical tenon [30]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White
PRV=Prevail **BAA-PRV**=Prevail BAA Buy American Act Compliant [3] **TAA-PRV**=Prevail TAA Trade Agreements Act Compliant [3]	**PA1**=1 Panel, 24 LED Rectangle **PA2**=2 Panels, 48 LED Rectangles	**A**=700mA Nominal **B**=950mA Nominal					
PRV-XL=PRV XL **BAA-PRV-XL**=Prevail XL BAA Buy American Act Compliant [3] **TAA-PRV-XL**=Prevail XL TAA Trade Agreements Act Compliant [3]	**PA3**=3 Panels, 72 LED Rectangles **PA4**=4 Panels, 96 LED Rectangles	**A**=750mA Nominal **B**=950mA Nominal					
PRV-M=Prevail Maxx **BAA-PRV-M**=Prevail Maxx BAA Buy American Act Compliant [3] **TAA-PRV-M**=Prevail Maxx TAA Trade Agreements Act Compliant [3]	**PA6**= 6 Panels, 144 LED Rectangles	**A**=600mA Nominal **B**=800mA Nominal **C**=1000mA Nominal **D**=1200mA Nominal					

Options (Add as Suffix)

10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Fused Surge Protective Device
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
CC=Coastal Construction finish [31]
HSS=House Side Shield (Factory Installed) [7]
HA=50°C High Ambient Temperature [8]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle [10]
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle [10]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [11, 12, 13, 28]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [11, 12, 22, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [11, 12, 13]
SPB1=Motion Sensor for Dimming Operation, BLE Interface, Up to 8' Mounting Height [11, 14, 22, 28]
SPB2=Motion Sensor for Dimming Operation, BLE Interface, 8' - 20' Mounting Height [11, 14, 22]
SPB4=Motion Sensor for Dimming Operation, BLE Interface, 21' - 40' Mounting Height [11, 14]
ZW=Wavelinx-enabled 4-PIN Twistlock Receptacle [11, 12]
ZD=DALI-enabled 4-PIN Twistlock Receptacle [11, 12]
ZW-SWPD4XX=Wavelinx Pro, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting Height [11, 12, 15, 16, 17, 22, 28]
ZW-SWPD5XX=Wavelinx Pro, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting Height [11, 12, 15, 16, 17]
ZD-SWPD4XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, 7' - 15' Mounting Height [11, 12, 15, 16, 17, 22, 28]
ZD-SWPD5XX=Wavelinx Pro, SR Driver, Dimming Motion and Daylight, 15' - 40' Mounting Height [11, 12, 15, 16, 17]
(See Table Below)=LumenSafe Integrated Network Security Camera [18, 19]

Accessories (Order Separately) [20, 21]

PRVWM-XX=Wall Mount Kit [22]
PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit [22]
PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit [22]
PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [22]
PRVXLSA-XX=Standard Arm Mounting Kit [29]
PRVXLMA-XX=Mast Arm Mounting Kit [29]
PRVXLWM-XX=Wall Mount Kit [29]
PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit [29]
PRV-XL-ADJA-WM-XX=Adjustable Arm - Slipfitter Kit [29]
PRV-XL-ADJS-XX=Adjustable Arm - Wall Mount Kit [29]
PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit [28]
PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit [28]
PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit [28]
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180°Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
PRV/DIS-FDV=Full Drop Visor [23]
PRVXL/DIS-FDV=Full Drop Visor [18]
HSS-VP=House Side Shield Kit, Vertical Panel [7, 24]
HSS-HP=House Side Shield Kit, Horizontal Panel [7, 24]
PDS-S= Panel Drop Shield, Short
PDS-L= Panel Drop Shield, Long
OA/RA1013=Photocontrol Shorting Cap
OA/RA1014=NEMA Photocontrol - 120V
OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V
OA/RA1201=NEMA Photocontrol - 347V
OA/RA1027=NEMA Photocontrol - 480V
FSIR-100=Wireless Configuration Tool for Occupancy Sensor [25]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [27]
SWPD4-XX=WaveLinx Wireless Sensor, 7' - 15' Mounting Height [15, 16, 17, 26]
SWPD5-XX=WaveLinx Wireless Sensor, 15' - 40' Mounting Height [15, 16, 17, 26]

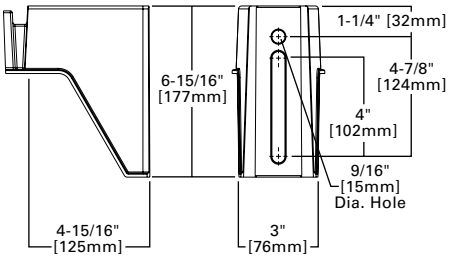
NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
7. House Side Shield not for use with 5WQ distribution.
8. Not available with PA1D light engine in Petite housing (PRV-P).
10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS, SPB, ZD, or ZW).
12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage.
13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information.
17. Replace XX with sensor color (WH, BZ or BK).
18. Only available in PRV-XL configurations.
19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatability information.
20. Replace XX with paint color.
21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
22. Not for use with PRV-XL or PRV-M configurations.
23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details.
25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
26. Requires 4-PIN twistlock receptacle option (ZD or ZW) option.
27. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, ZD, ZW or LWR). Only for use at 120-347V.
28.Only available for PRV-M configurations.
29. Only for use with PRV-XL and PRV-M configurations. Not applicable to PRV or PRV-P.
30. Adjustable Arms QM for PRV-P, PRV, PRV-XL; Fixed for PRV-M
31. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

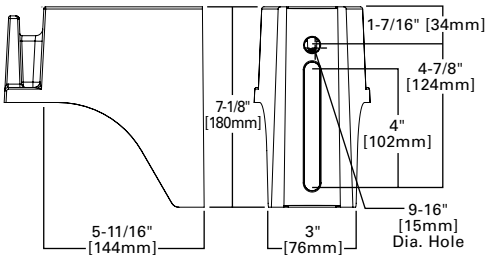
Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology	**H**=Dome Camera, High Res **Z**=Dome Camera, Remote PTZ	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card	**S**=Cellular, Factory Installed Sprint SIM Card **E**=Ethernet Networking

Mounting Details

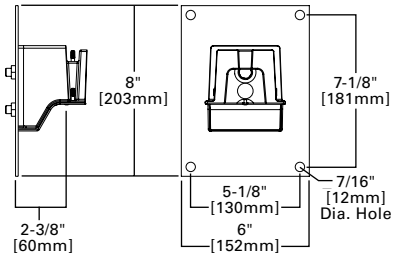
SA=QM Pole Mount Arm (PRV & PRV-P)



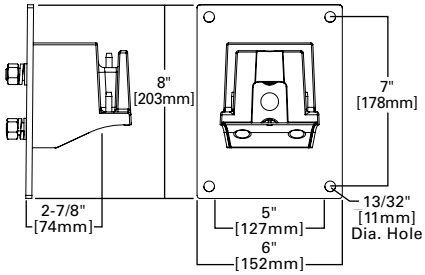
SA=QM Pole Mount Arm (PRV-XL)



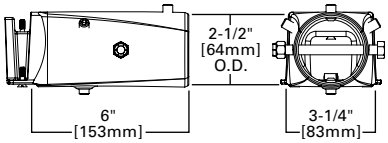
WM=QM Wall Mount Arm (PRV & PRV-P)



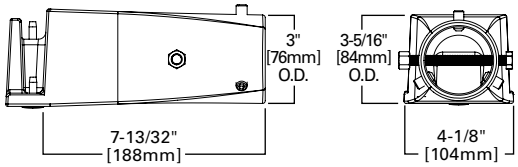
WM=QM Wall Mount Arm (PRV-XL)



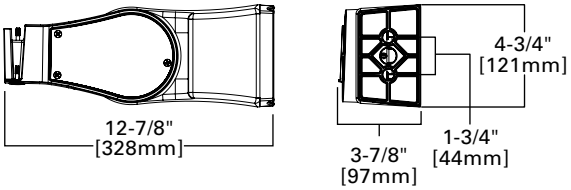
MA=QM Mast Arm (PRV & PRV-P)



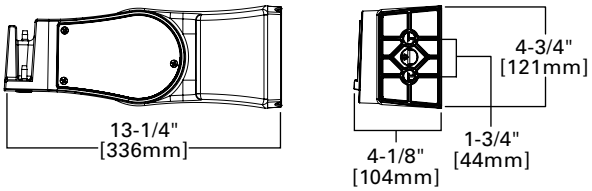
MA=QM Mast Arm (PRV-XL)



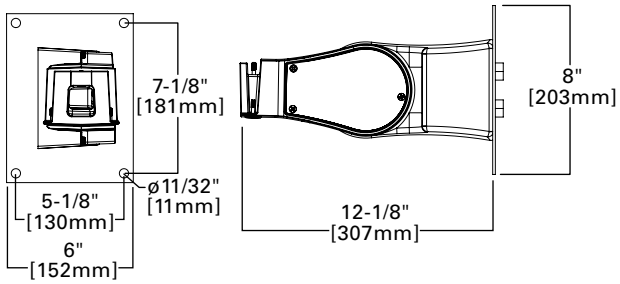
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



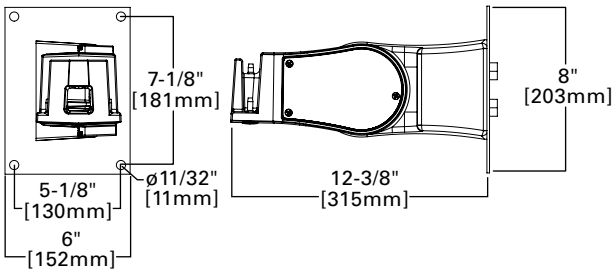
ADJA=Adjustable Arm Pole Mount (PRV-XL)



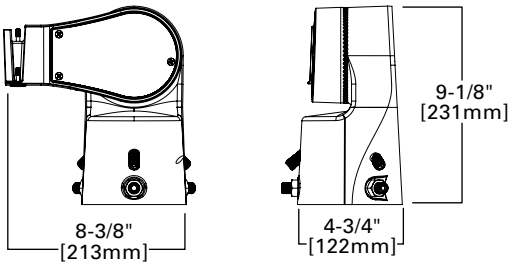
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



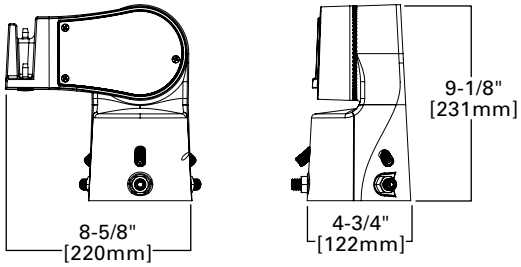
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



ADJS=Adjustable Slipfitter 3 (PRV & PRV-P)

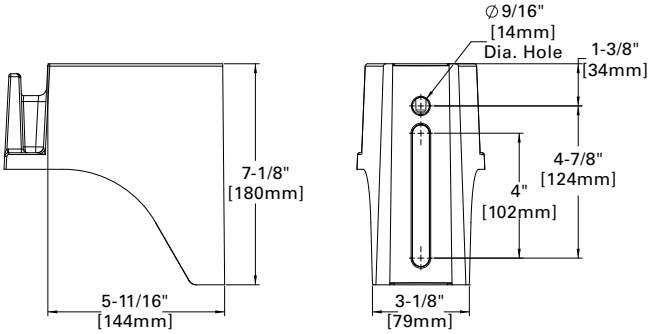


ADJS=Adjustable Slipfitter 3 (PRV-XL)

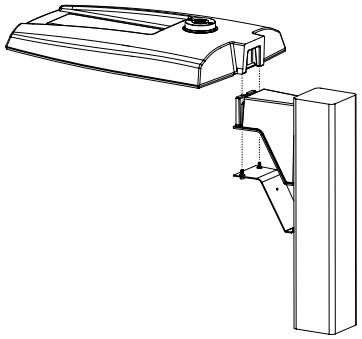


Mounting Details

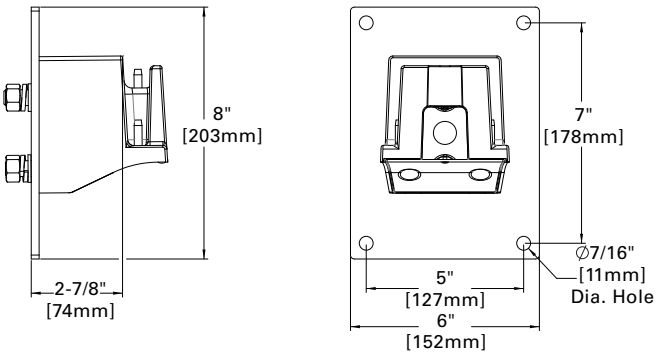
SA=QM Pole Mount Arm (PRV-M)



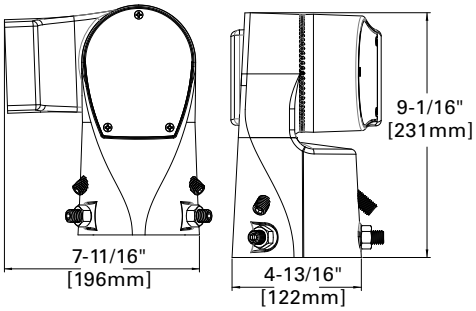
Versatile Mount System



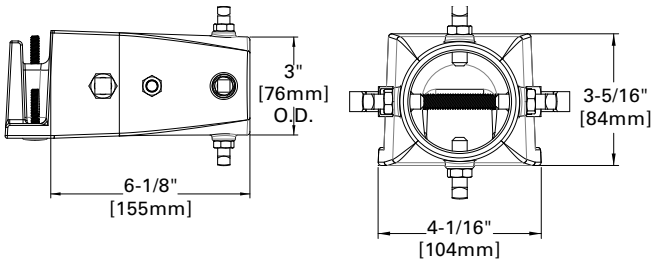
WM=QM Wall Mount Arm (PRV-M)



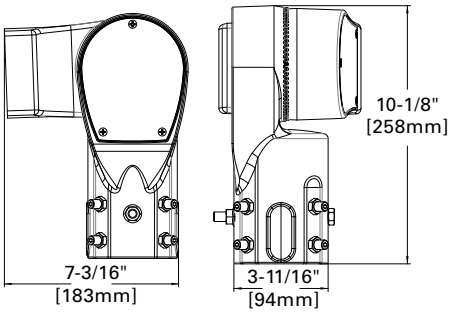
ADJS=Adjustable Slipfitter (PRV-M)



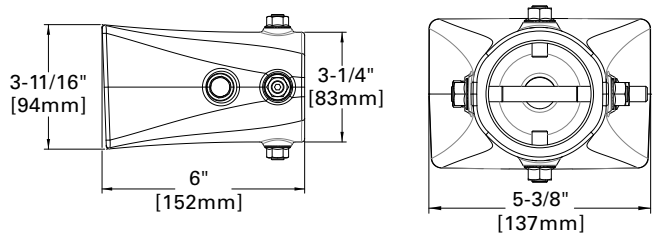
MA=QM Mast Arm (PRV-M)



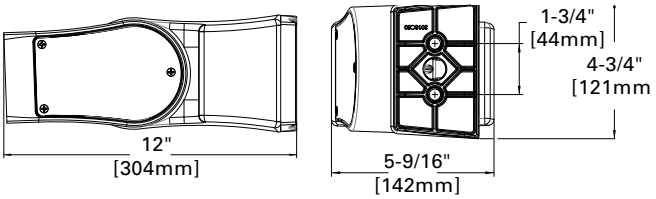
SP2=Adjustable Slipfitter 2-3/8” (PRV-M)



FMA=Fixed Mast Arm (PRV-M)



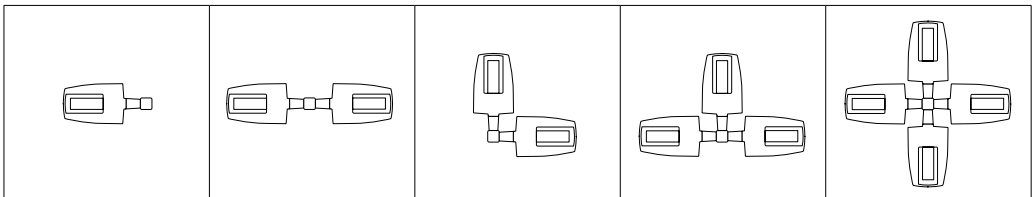
DM=Direct Pole Mount Arm (PRV-M)



Mounting Details

Mounting Configurations and EPAs

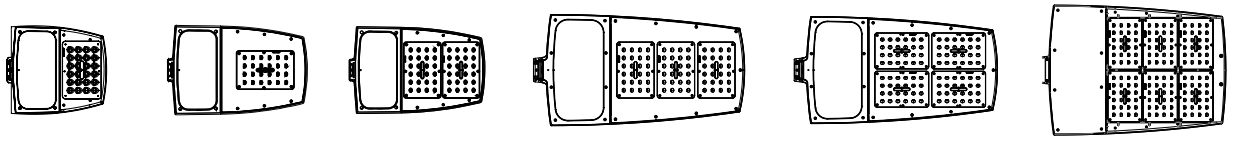
NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications



Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49
Prevail Maxx	0°	1.28	2.56	1.7	2.69	2.69
	60°	5.09	5.52	6.34	7.49	7.81

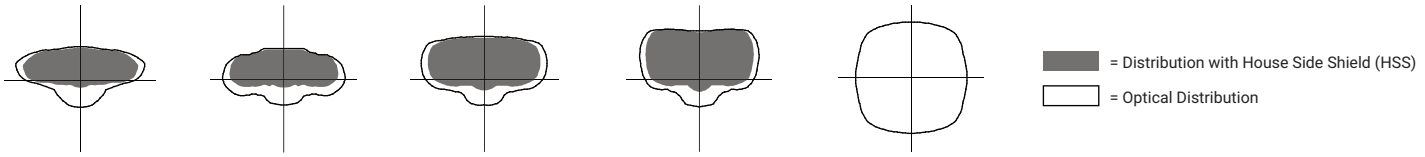
Optical Configurations

PRV-P-PA1X **PRV-PA1X** **PRV-PA2X** **PRV-XL-PA3X** **PRV-XL-PA4X** **PRV-M-PA6X**



Optical Distributions

T2R (Type II Roadway) **T2U** (Type II Urban) **T3** (Type III) **T4W** (Type IV Wide) **5WQ** (Type V Square Wide)



Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Prevail and Prevail Petite: 3G vibration rated (all arms)
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated
- Adjustable Arms: 1.5G vibration rated

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)
- Prevail Maxx: 49 lbs. (22.23 kgs.)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Power and Lumens

View PRV-P IES files | View PRV IES files | View PRV-XL IES files

Product Family		Prevail Petite				Prevail				Prevail XL				Prevail Maxx			
Light Engine		PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	PA3B	PA4A	PA4B	PA6A	PA6B	PA6C	PA6D
Power (Watts)		31	53	72	93	54	74	113	151	172	234	245	303	274	366	457	544
Drive Current (mA)		375	670	930	1200	670	930	720	970	750	980	785	970	600	800	1000	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78	0.45	0.62	0.93	1.26	1.44	1.95	2.04	2.53	2.30	3.05	3.83	4.54
Input Current @ 277V (A)		0.12	0.20	0.28	0.35	0.21	0.28	0.41	0.55	0.62	0.85	0.93	1.12	0.99	1.30	1.62	1.94
Input Current @ 347V (A)		0.10	0.17	0.23	0.29	0.17	0.23	0.33	0.45	0.52	0.70	0.74	0.90	0.78	1.05	1.32	1.60
Input Current @ 480V (A)		0.07	0.13	0.17	0.22	0.12	0.17	0.24	0.33	0.39	0.52	0.53	0.65	0.58	0.76	0.95	1.14
Distribution																	
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300	7,605	9,896	15,811	19,745	24,718	30,648	34,067	39,689	41,611	52,596	61,921	67,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131	152	144	135	125
	3000K Lumens [1]	4,103	6,705	8,647	10,291	6,926	9,012	14,399	17,982	22,511	27,912	31,025	36,145	37,896	47,900	56,392	61,837
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349	6,006	7,815	12,487	15,594	19,521	24,204	26,094	31,334	32,874	41,553	48,919	53,642
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5
	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103	120	114	107	99
	3000K Lumens [1]	3,394	5,547	7,154	8,514	5,470	7,117	11,372	14,201	17,778	22,043	24,502	28,545	29,939	37,843	44,552	48,853
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277	7,597	9,886	15,795	19,724	24,692	30,616	34,031	39,647	41,372	52,294	61,565	67,509
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131	151	143	135	124
	3000K Lumens [1]	4,095	6,691	8,630	10,271	6,919	9,003	14,384	17,963	22,488	27,882	30,992	36,107	37,678	47,625	56,068	61,481
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160	5,297	6,893	11,013	13,753	17,217	21,347	23,728	27,644	28,951	36,594	43,082	47,241
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91	106	100	94	87
	3000K Lumens [1]	2,963	4,841	6,244	7,431	4,824	6,277	10,029	12,525	15,680	19,441	21,609	25,176	26,366	33,327	39,235	43,023
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145	7,575	9,857	15,749	19,667	24,621	30,527	33,932	39,532	41,155	52,020	61,242	67,155
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130	150	142	134	123
	3000K Lumens [1]	4,046	6,612	8,528	10,150	6,899	8,977	14,343	17,911	22,423	27,802	30,903	36,002	37,480	47,375	55,774	61,159
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543	5,592	7,277	11,626	14,519	18,176	22,536	25,049	29,183	30,159	38,121	44,879	49,212
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96	110	104	98	90
	3000K Lumens [1]	3,102	5,069	6,538	7,781	5,093	6,627	10,588	13,222	16,553	20,524	22,813	26,578	27466	34717	40872	44818
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906	7,484	9,738	15,560	19,431	24,325	30,161	33,525	39,057	41,207	52,086	61,320	67,240
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129	151	142	134	124
	3000K Lumens [1]	3,960	6,471	8,346	9,932	6,816	8,869	14,170	17,696	22,153	27,468	30,531	35,570	37,528	47,435	55,845	61,236
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323	5,420	7,053	11,268	14,072	17,617	24,843	24,279	28,286	30,005	37,926	44,650	48,961
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93	110	104	98	90
	3000K Lumens [1]	3,022	4,938	6,369	7,580	4,936	6,423	10,262	12,816	16,044	19,892	22,111	25,760	27,326	34,540	40,664	44,589
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280	7,831	10,190	16,281	20,332	25,453	31,559	35,079	40,868	42,947	54,285	63,909	70,079
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135	157	143	136	129
	3000K Lumens [1]	4,095	6,693	8,632	10,273	7,132	9,280	14,827	18,517	23,180	28,741	31,947	37,219	39,112	49,438	58,203	63,822

NOTES:

1. For 3000K or HSS BUG Ratings, refer to published IES files

Energy and Performance Data

House Side Shield Reference Table

Product Family		Prevail	Prevail		Prevail XL		Prevail Maxx
Light Engine		PA1	PA1	PA2	PA3	PA4	PA6
Rotated Optics	Standard	HSS-HP (Qty 1)	HSS-VP (Qty 1)	HSS-HP (Qty 2)	HSS-HP (Qty 3)	HSS-VP (Qty 4)	HSS-HP (qty 6)
	L90 or R90 option	HSS-VP (Qty 1)	HSS-HP (Qty 1)	HSS-VP (Qty 2)	HSS-VP (Qty 3)	HSS-HP (Qty 4)	HSS-VP (qty 6)

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (78,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 896,000

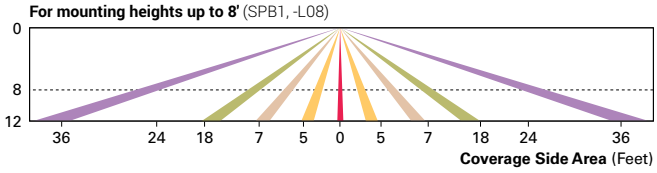
Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

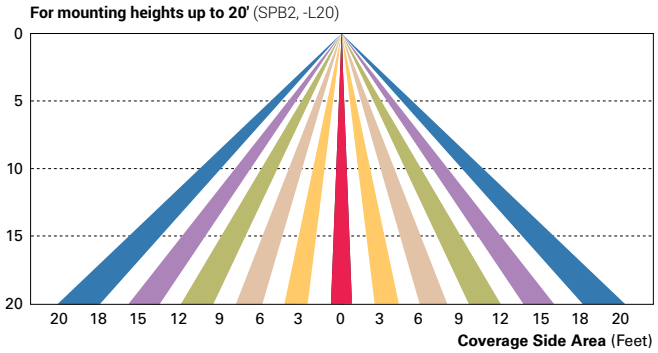
Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation (MS-LXX) is selected, the luminaire will turn off after five minutes of no activity. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.

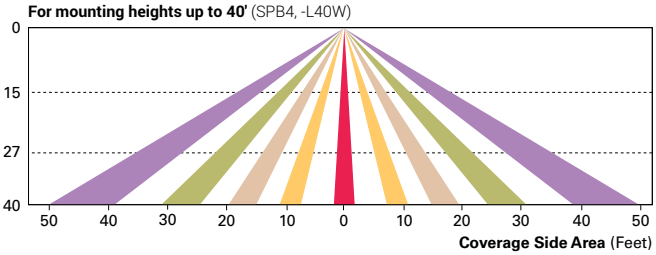
For mounting heights up to 8' (SPB1, -L08)



For mounting heights up to 20' (SPB2, -L20)



For mounting heights up to 40' (SPB4, -L40W)

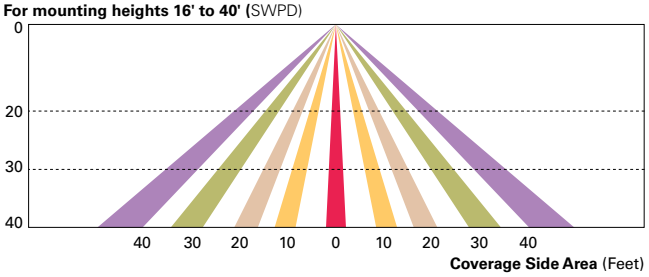


WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.

For mounting heights 16' to 40' (SWPD)



LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.

Cooper Lighting Solutions
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com