

Catalog Number	PPSQL2-P20-40K-MVOLT-GL-T5R-SSM-AO PPSQL2-P80-40K-MVOLT-GL-T5R-SSM-AO	
Notes	Type	

Parkpak® LED



Mechanical

- Heavy grade A360 cast aluminum coupled with a rigorous 5-stage pretreatment, epoxy basecoat and polyester topcoat yield a finish that achieves a scribe creepage rating of 8 after 5,000 hours of salt spray.
- Mounts to a standard junction box
- Provide a swivel kit for pendant mount applications that is secured to a 4 inch square electrical box
- Wet location listed
- IP66 rating
- 3/4" threaded plug (3/4" - 14 NPT) on each side, accepts 3/4" and 1/2" conduit.
- Vibe rating for surface mount: 3G
- Vibe rating for pendant mount: 3G at 1.5 feet, excludes swivel kit
- Pendant mount: 3/4" - 14 NPT in center of housing
- Bird Shroud (Accessory)

Electrical

- Electrical harness for quick and safe disconnect / connect of power and options
- Rated for -40°C / -40°F minimum ambient
- Programmable electronic driver with 0-10V control leads
- Available in: 120-277V 50/60 Hz and 347-480V 50/60 Hz
- Standard: 3000K, 4000K and 5000K CCT (>70 CRI)
- Optional >80 CRI, 8 week lead-time
- Internal mounted emergency battery backup for operation in an ambient temperature ranging from -20°C / -4°F to 30°C / 86°F for P10 thru P40 performance packages, non CEC compliant
- All surge protection meets ANSI/IEEE C62.41.2 10kV/10kA
- Standard surge protection is 20kV/10kA with indicator light per ANSI C136.2
- Optional surge protection is 10kV/5kA per ANSI C136.2
- The emergency battery option surge protection is 10kV/5kA per ANSI C136.2

Optical

- The light engine shall be IP66
- Type V: E (entry), M (medium), R (rectangle) & W (wide)
- Asymmetric

Optical Material Options

- Borosilicate glass lens (GL)
- Polycarbonate lens (PY)
- Zero uplight option (FC)

Controls

- Field adjustable output
- Button style photocontrol
- Motion Sensor / Ambient Photocontrol with mounting options ranging from (8-15') and (15-30')
- Title 24 compliance options available

Certification and Standards

- Luminaire is CSA listed, US and Canada
- Suitable for operation in an ambient temperature up to 40°C / 104°F for standard product
- Designlights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- LM-79 compliant
- The projected LED Lumen Maintenance shall be based only on IES LM-80-08 and TM-21

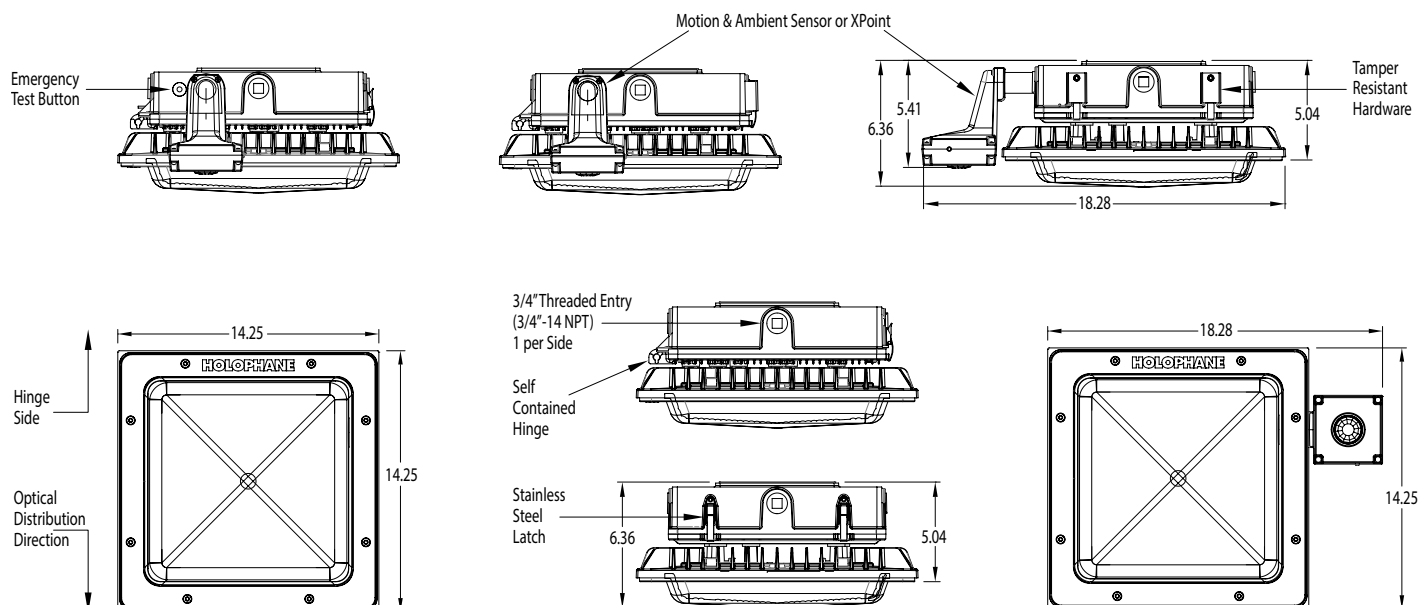
Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

DIMENSIONAL DATA

Maximum weight: 24 lbs.



ORDERING INFORMATION

Example: PPSQL2 P40 40K MVOLT GL T5M STM WHSDP 10KV

Series	LED Performance Package	Color Temperature	CRI	Voltage	Optics Material
PPSQL2 Parkpak LED	1 LEM Package	30K 3,000 K CCT	(Blank) 70 CRI (STD)	MVOLT Auto-Sensing Voltage (120V-277V) 50/60HZ	GL Borosilicate Glass Lens (Standard)
	P10 25W LED Package	40K 4,000 K CCT	80CRI 80 CRI		
	P20 33W LED Package	50K 5,000 K CCT		HVOLT Auto-Sensing Voltage (347V-480V) 50/60HZ	PY Polycarbonate Lens
	P30 42W LED Package			120 120V	FC No uplight
	P40 51W LED Package			240 208V	
				277 277V	
	2 LEM Package			347 347V	
	P50 55W LED Package			480 480V	
	P60 66W LED Package				
	P70 80W LED Package				
	P80 96W LED Package				
	(Refer to page 3 for performance details)				

Optics	Mounting	SPD	Super Durable Paint
T5E Type 5 Entry	STM Surface Mount, Top Feed, 12" Leads	(Blank) 20kV/10kA	BKSDP Black
T5M Type 5 Medium	SSM Surface Mount, Side Feed, 12" Leads	10KV 10kV/5kA	BZSDP Bronze
T5R Type 5 Rectangular	PSM Pendant Swivel Mount, 36" Leads		GHSDP Graphite
T5W Type 5 Wide	(See page 8 for details)		GYSDP Grey
ASY Asymmetric			WHSDP White

Options:		
Adjustable/Programmable Options A0 Field Adjustable Output (for lumen/wattage outputs, refer to page 3 for details) Control Options for 8-15' Mounting Height (refer to page 7 for default settings) MASL Motion / Ambient Sensor MASL3FC3V924 Motion I Ambient Sensor, Title 24 Compliance, for use on Emergency Lighting Circuit MASL3FC3V Motion I Ambient Sensor, Title 24 Compliance - Contact Holophane TSG for this option	Control Options for 15-30' Mounting Height (refer to page 7 for default settings) MASH Motion / Ambient Sensor MASH3FC3V924 Motion I Ambient Sensor, Title 24 Compliance, for use on Emergency Lighting Circuit MASH3FC3V Motion I Ambient Sensor, Title 24 Compliance - Contact Holophane TSG for this option	Button Style Photocontrol Option PE Button Style Photocontrol Fuse Option SF Single Fuse DF Dual Fuse Safety Option EM Integral Emergency Battery Backup, non CEC compliant TP Tamper Resistant Hardware

Accessories (Ordered & Shipped Separately)	
Bird Shroud	
BSPPSQL2	Field Installed, (Specify Paint Color) Ex. BSPPSQL2 WHSDP

Note:

Designlights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Operating Characteristics

LED Package	Distribution	System Watts	Borosilicate Glass Lens (GL)										Polycarbonate Lens (PY)										Zero Uplight (FC)									
			30K (3000K, 70 CRI)					40K/50K (4000K, 70 CRI)					30K (3000K, 70 CRI)					40K/50K (4000K, 70 CRI)					30K (3000K, 70 CRI)					40K/50K (4000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P10	TSE	25	2,773	111	1	2	1	2,967	119	1	2	1	2,622	105	1	1	1	2,806	112	1	1	1	2,928	117	2	0	0	3,133	125	2	0	0
	TSM	25	2,589	104	1	3	1	2,770	111	1	3	1	2,327	93	1	3	1	2,490	100	1	3	1	2,899	116	2	0	1	3,102	124	2	0	1
	TSW	25	2,504	100	1	3	1	2,679	107	1	3	2	2,280	91	1	3	2	2,440	98	1	3	2	2,843	114	2	0	1	3,042	122	2	0	1
	TSR	25	2,487	99	1	3	2	2,661	106	1	3	2	2,250	90	1	3	2	2,408	96	1	3	2	2,769	111	2	0	2	2,963	119	2	0	2
	ASY	25	2,490	100	1	2	1	2,664	107	1	2	1	2,258	90	1	2	1	2,416	97	1	2	1	2,722	109	1	0	1	2,913	117	1	0	1
P20	TSE	33	3,579	108	2	2	1	3,830	116	2	2	1	3,385	103	2	2	1	3,622	110	2	2	1	3,780	115	2	0	0	4,045	123	2	0	0
	TSM	33	3,342	101	1	3	1	3,576	108	2	3	1	3,004	91	1	3	1	3,214	97	1	3	1	3,742	113	2	0	1	4,004	121	3	0	1
	TSW	33	3,232	98	2	3	2	3,458	105	2	3	2	2,944	89	1	3	2	3,150	95	1	3	2	3,670	111	3	0	1	3,927	119	3	0	2
	TSR	33	3,211	97	2	3	2	3,435	104	2	3	2	2,905	88	1	3	2	3,108	94	1	3	2	3,575	108	3	0	3	3,825	116	3	0	3
	ASY	33	3,214	97	1	3	2	3,439	104	1	3	2	2,915	88	1	3	2	3,119	95	1	3	2	3,514	106	1	0	1	3,760	114	1	0	1
P30	TSE	42	4,323	103	2	2	1	4,625	110	2	2	1	4,089	97	2	2	1	4,375	104	2	2	1	4,566	109	2	0	0	4,885	116	2	0	0
	TSM	42	4,036	96	2	3	2	4,319	103	2	3	2	3,628	86	1	3	2	3,882	92	2	3	2	4,519	108	3	0	1	4,836	115	3	0	1
	TSW	42	3,903	93	2	3	2	4,177	99	2	3	2	3,555	85	2	3	2	3,804	91	2	3	2	4,433	106	3	0	2	4,743	113	3	0	2
	TSR	42	3,877	92	2	3	2	4,149	99	2	3	2	3,508	84	2	3	2	3,754	89	2	3	2	4,317	103	3	0	3	4,620	110	3	0	3
	ASY	42	3,882	92	1	3	2	4,154	99	1	3	2	3,521	84	1	3	2	3,767	90	1	3	2	4,244	101	1	0	1	4,541	108	1	0	1
P40	TSE	51	4,991	98	2	2	1	5,340	105	2	2	1	4,721	93	2	2	1	5,051	99	2	2	1	5,271	103	2	0	0	5,640	111	2	0	0
	TSM	51	4,660	91	2	3	2	4,987	98	2	3	2	4,189	82	2	3	2	4,482	88	2	3	2	5,218	102	3	0	1	5,583	109	3	0	1
	TSW	51	4,507	88	2	3	2	4,822	95	2	3	2	4,105	80	2	3	2	4,392	86	2	3	2	5,118	100	3	0	2	5,476	107	3	0	2
	TSR	51	4,477	88	2	3	3	4,790	94	2	3	3	4,051	79	2	3	3	4,334	85	2	3	3	4,985	98	3	0	3	5,334	105	3	0	3
	ASY	51	4,482	88	1	3	2	4,796	94	1	3	2	4,065	80	1	3	2	4,349	85	1	3	2	4,900	96	1	0	1	5,243	103	1	0	2
P50	TSE	55	6,166	112	2	2	1	6,598	120	2	2	1	5,876	107	2	2	1	6,287	114	2	2	1	6,834	124	3	0	0	7,312	133	3	0	0
	TSM	55	5,989	109	2	3	2	6,408	117	3	3	2	5,405	98	2	3	2	5,783	105	2	3	2	6,865	125	3	0	2	7,346	134	3	0	2
	TSW	55	5,843	106	3	3	3	6,252	114	3	3	3	5,211	95	2	3	3	5,576	101	2	3	3	6,682	121	3	0	3	7,150	130	3	0	3
	TSR	55	5,601	102	3	3	3	5,993	109	3	3	3	5,040	92	2	3	3	5,393	98	2	3	3	6,462	117	3	0	3	6,915	126	3	0	3
	ASY	55	5,564	101	1	3	2	5,953	108	1	3	2	4,961	90	1	3	2	5,308	97	1	3	2	6,393	116	1	0	2	6,840	124	1	0	2
P60	TSE	66	7,094	107	2	2	1	7,591	115	2	2	1	6,761	102	2	2	1	7,234	110	2	2	1	7,862	119	3	0	0	8,413	127	3	0	1
	TSM	66	6,890	104	3	3	2	7,373	112	3	3	2	6,219	94	2	3	2	6,654	101	3	3	2	7,899	120	3	0	2	8,452	128	3	0	2
	TSW	66	6,723	102	3	3	3	7,194	109	3	3	3	5,996	91	2	3	3	6,416	97	3	3	3	7,688	116	3	0	3	8,226	125	3	0	3
	TSR	66	6,445	98	3	3	3	6,896	104	3	3	3	5,799	88	2	3	3	6,205	94	3	3	3	7,435	113	3	0	4	7,956	121	3	0	4
	ASY	66	6,401	97	1	3	2	6,849	104	1	3	2	5,708	86	1	3	3	6,107	93	1	3	3	7,355	111	1	0	2	7,870	119	1	0	2
P70	TSE	80	8,251	103	3	2	1	8,828	110	3	2	1	7,863	98	2	2	1	8,413	105	3	2	1	9,144	114	3	0	1	9,784	122	3	0	1
	TSM	80	8,013	100	3	3	2	8,574	107	3	3	2	7,233	90	3	3	3	7,739	97	3	3	3	9,186	115	3	0	2	9,829	123	4	0	2
	TSW	80	7,819	98	3	3	3	8,366	105	3	3	3	6,973	87	3	3	3	7,461	93	3	3	3	8,941	112	4	0	3	9,567	120	4	0	3
	TSR	80	7,495	94	3	3	3	8,020	100	3	3	3	6,744	84	3	3	3	7,216	90	3	3	3	8,647	108	3	0	4	9,253	116	4	0	4
	ASY	80	7,445	93	2	3	2	7,966	100	2	3	3	6,638	83	1	3	3	7,103	89	1	3	3	8,554	107	1	0	2	9,153	114	2	0	2
P80	TSE	96	9,466	99	3	2	1	10,128	106	3	2	1	9,021	94	3	2	1	9,652	101	3	2	1	10,491	109	3	0	1	11,225	117	3	0	1
	TSM	96	9,193	96	3	3	2	9,837	102	3	3	2	8,298	86	3	3	3	8,878	92	3	3	3	10,539	110	4	0	2	11,277	117	4	0	2
	TSW	96	8,971	93	3	3	3	9,598	100	3	3	3	8,000	83	3	3	3	8,560	89	3	3	3	10,258	107	4	0	3	10,976	114	4	0	3
	TSR	96	8,599	90	3	3	3	9,201	96	3	3	3	7,737	81	3	3	3	8,279	86	3	3	3	9,921	103	4	0	4	10,615	111	4	0	5
	ASY	96	8,541	89	2	3	3	9,139	95	2	3	3	7,616	79	2	3	3	8,149	85	2	3	3	9,814	102	2	0	2	10,501	109	2	0	2

Use the following multipliers to scale 70CRI lumen data to 80CRI, lumens:

CCT	Multiplier
3000K	0.909
4000K	0.886
5000K	0.865

Field Adjustable Output Module

The Field Adjustable Output (AO) module is an onboard device that adjusts the light output and input wattage to meet site specific requirements, allowing a single fixture configuration to be flexibly applied in many different applications.



P10 - MVOLT and HVOLT		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	94%
6	81%	83%
5	68%	71%
4	57%	59%
3	45%	47%
2	33%	34%
1	21%	21%

P20 - MVOLT and HVOLT		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	94%
6	81%	83%
5	68%	71%
4	56%	59%
3	44%	47%
2	32%	34%
1	20%	21%

P30 - MVOLT and HVOLT		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	80%	84%
5	67%	72%
4	55%	60%
3	43%	48%
2	31%	34%
1	19%	21%

P40 - MVOLT and HVOLT		
AO Position	% Lumens	% Wattage
8	100%	100%
7	92%	95%
6	79%	84%
5	66%	73%
4	53%	61%
3	41%	49%
2	29%	35%
1	18%	21%

P50 - MVOLT and HVOLT		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	81%	84%
5	62%	66%
4	44%	47%
3	32%	34%
2	20%	21%
1	14%	14%

P60 - MVOLT and HVOLT		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	81%	83%
5	68%	72%
4	55%	59%
3	43%	46%
2	31%	33%
1	20%	21%

P70 - MVOLT and HVOLT		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	80%	84%
5	67%	73%
4	54%	60%
3	42%	47%
2	30%	34%
1	19%	21%

P80 - MVOLT and HVOLT		
AO Position	% Lumens	% Wattage
8	100%	100%
7	93%	95%
6	80%	85%
5	67%	74%
4	55%	63%
3	42%	50%
2	29%	35%
1	17%	21%

OPERATIONAL DATA

Options Matrix

Parameters		SELECTED OPTION (start here with fusing first since there are voltage limitation)											
		A0	SF	DF	EM	PE	MASH	MASL	MASL3FC3V	MASH3FC3V	MASL3FC3V924	MASH3FC3V924	10kV
LED Performance Package	P10	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P20	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P50	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y
	P60	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y
	P70	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y
	P80	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y
Voltage	MVOLT	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
	HVOLT	Y	Y	Y	N	N	Y	Y	Y	Y	N	N	Y
	120	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
	240	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
	277	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
	347	Y	N	N	N	Y	Y	Y	Y	Y	N	N	Y
	480	Y	N	N	N	N	Y	Y	Y	Y	N	N	Y
Compatible Options	A0		Y	Y	Y	Y	N	N	N	N	N	N	Y
	SF	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
	DF	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
	EM	Y	Y	Y		N	Y	Y	Y	Y	N	N	Y
	PE	Y	Y	Y	N		N	N	N	N	N	N	Y
	MASH	N	Y	Y	Y	N			N	N	N	N	Y
	MASL	N	Y	Y	Y	N			N	N	N	N	Y
	MASL3FC3V	N	Y	Y	Y	N	N	N					Y
	MASH3FC3V	N	Y	Y	Y	N	N	N					Y
	MASL3FC3V924	N	Y	Y	N	N	N	N					Y
	MASH3FC3V924	N	Y	Y	N	N	N	N					Y
	10kV	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

Notes

N = Combination Not available

Y = Valid Option Combination

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platform noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	36,000	50,000	60,000	75,000	100,000
Lumen Maintenance Factor	1	0.959	0.945	0.926	0.914	0.895	0.864

The italicized data is extrapolated beyond the TM-21 standard.

$$E = (LM) \times (CU) \times (LAT) \times (LLD)$$

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Temperature
0° C	32° F	1.04
10° C	50° F	1.03
20° C	68° F	1.01
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.97

OPERATIONAL DATA

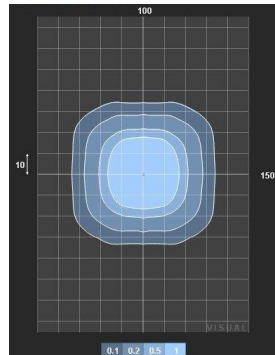
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the [Holophane's Wallpack FCO LED homepage](#).

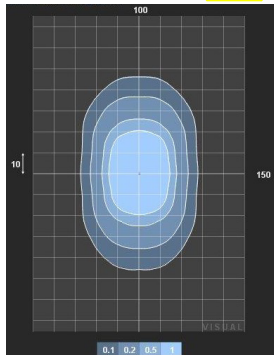
Isofootcandle plots for the PPSQL2 P40 40K/50K. Distance are in units of mounting height (8').

Borosilicate Prismatic Glass Option Distribution

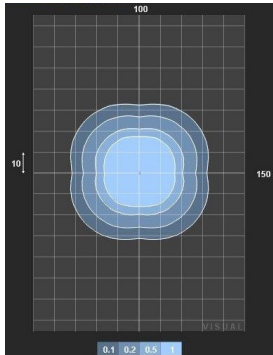
PPSQL2 P40 40K/50K XX GL T5W



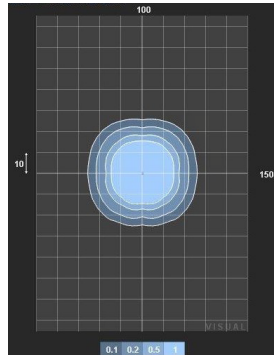
PPSQL2 P40 40K/50K XX GL T5R



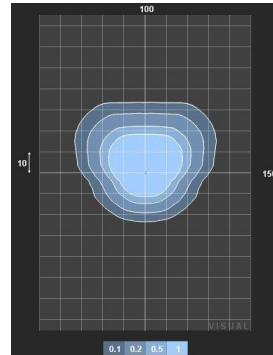
PPSQL2 P40 40K/50K XX GL T5M



PPSQL2 P40 40K/50K XX GL T5E

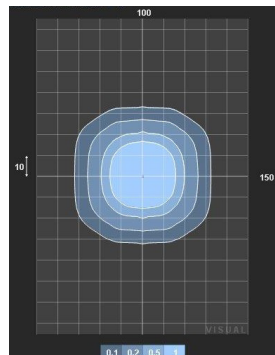


PPSQL2 P40 40K/50K XX GL ASY

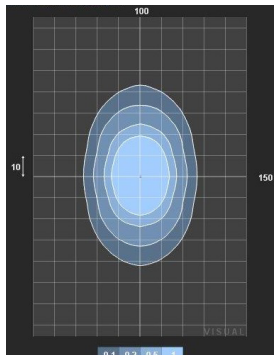


Polycarbonate Refractor Option Distribution

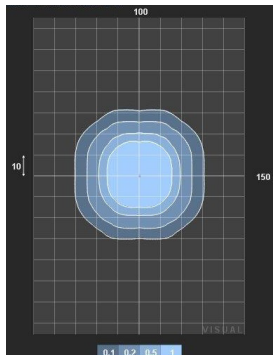
PPSQL2 P40 40K/50K XX PY T5W



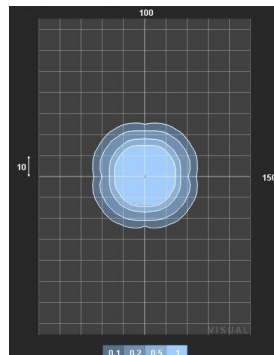
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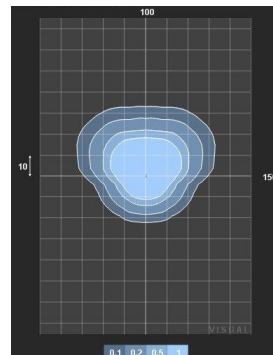
PPSQL2 P40 40K/50K XX PY T5M



PPSQL2 P40 40K/50K XX PY T5E

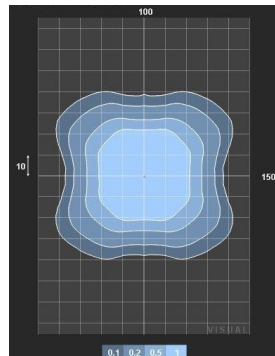


PPSQL2 P40 40K/50K XX PY ASY

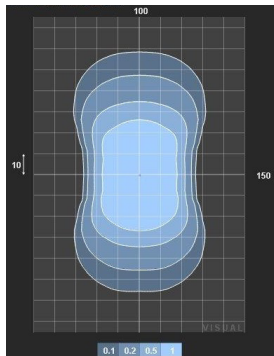


Zero Uplight Option Distribution

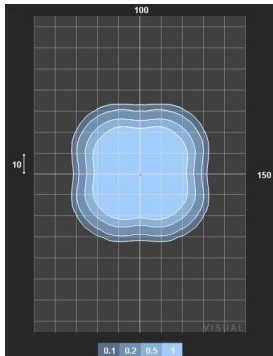
PPSQL2 P40 40K/50K XX FCT5W



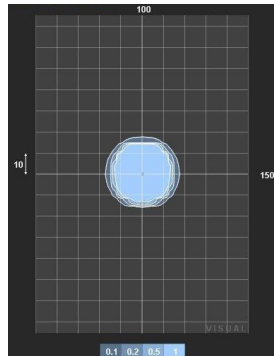
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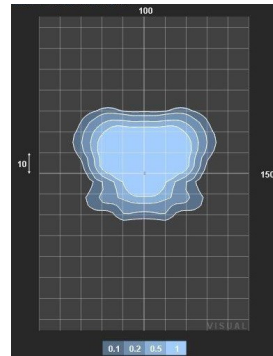
PPSQL2 P40 40K/50K XX FCT5M



PPSQL2 P40 40K/50K XX FCT5E



PPSQL2 P40 40K/50K XX FC ASY



OPERATIONAL DATA

Motion & Ambient Control Default Settings

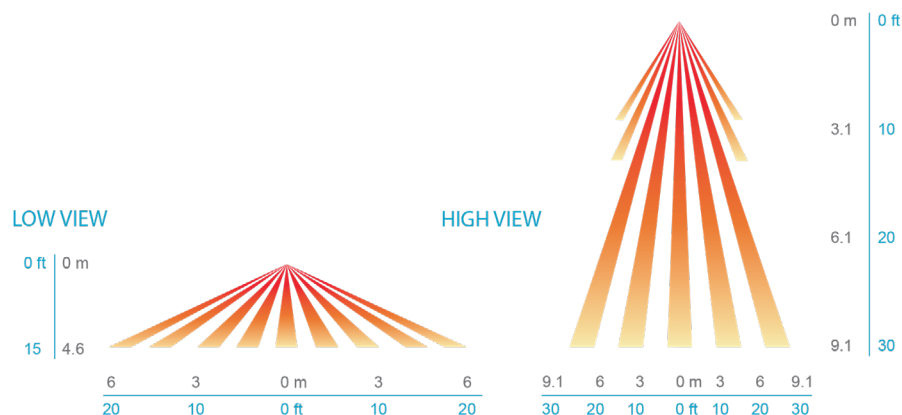
Motion Sensor & Photocontrol Default Settings (any other presets require an RFD)						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
MASL or MASH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
MASL3FC3V or MASH3FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 3FC	3 sec	5 min	5 min
MASL3FC3V924 or MASH3FC3V924	3V (37%) Output	10V (100%) Output	Enabled @ 3FC	3 sec	5 min	5 min

Motion Sensor & XPoint Finish Based on Paint Selection

Super Durable Paint	Sensor Color
BKSDP Black	Black Finish
BZSDP Bronze	Black Finish
GHSDP Graphite	White Finish
GYSDP Grey	White Finish
WHSDP White	White Finish

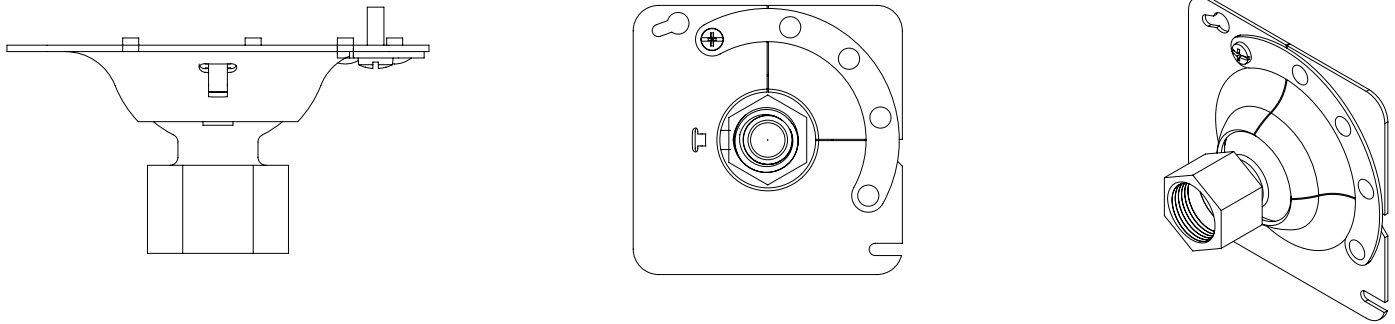
COVERAGE PATTERN

8-15 ft. mounting: MASL, MASL3FCV924, MASL3FC3V
15-30 ft. mounting: MASH, MASH3FCV924, MASH3FC3V



PENDANT MOUNT OPTION WITH SWIVEL KIT

Included with mounting option PSM and mounts to 4" square electrical box.



BIRD SHROUD ACCESSORY

