

SECTION 00 91 13.1 ADDENDUM #1

1.1 PROJECT INFORMATION

- A. 9<sup>th</sup> & Main Parking Garage | Capitol & Main Parking Garage – LED Light Upgrades
- B. Owner: Capital City Development Corporation
- C. Date of Addendum: March 13, 2019

1.2 NOTICE TO BIDDERS

- A. This addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated in the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

1.3 REVISIONS TO DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS

- A. Document 00 01 10 TABLE OF CONTENTS: Revised to insert line 00 91 13.1 ADDENDUM #1
- B. Document 00 43 22 UNIT PRICES BID FORM.

Add to the Project Manual. Document was inadvertently left out of original bid distribution. See attached Unit Prices Bid Form 00 43 22.

1.4 COMPARABLE PRODUCT APPROVAL

- A. Engineer and Owner have approved the use of a comparable products for the project. Bidders may use the products stated in the bid specifications, OR the following may be used:

Type	Manufacturer	Comparable Product #	Documentation
S1	ESL Vision	ESL-CP-65W-250	See attached
S1	Lumark	CLCSLED-55-SM-UNV-7050/CLCSPEND	See attached
WP1	Rayon	T639-30-UNI12-50-T3-BZ	See attached
S1	PacLights	FCPG-055-50-DB	See attached
WP1	PacLights	FWPR-040-50	See attached

1.5 QUESTIONS RECEIVED

A. The following questions have been received via email prior to March 7, 2019 deadline. The following answers are provided by Owner to assist Bidders.

1. **QUESTION:** Regarding the number of fixtures called on the Interior Lighting Compliance Certificate on Drawing Pages E01 – 9<sup>th</sup> & Main Garage and E01 – Capitol & Main Garage, Are the number of fixtures in each garage that need to be replaced? And are those numbers accurate?

**ANSWER:** The contractor(s) should base their bid numbers off of the construction drawings. New fixtures are shown with bold, solid lines, existing fixtures to remain are shown with lighter, dashed lines.

<u>LIST OF DOCUMENTS</u>	<u>NO. OF PAGES</u>
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END OF SECTION 00 91 13.1



## **ParkBOI Parking Garages – LED Light Upgrades 9<sup>th</sup> & Main Garage | Capitol & Main Garage**

### **Pre-Bid Conference Agenda**

**February 28, 2019 9:30 A.M.**

1. Welcome and Introductions
2. Scope of Work
3. Key Dates
  - Final day for Questions: 5:00 p.m. Thursday, March 7, 2019
  - Questions must be in writing to Kathy Wanner [kwanner@ccdcb Boise.com](mailto:kwanner@ccdcb Boise.com) ,  
copy to: Ben Houpt [bhaupt@ccdcb Boise.com](mailto:bhoupt@ccdcb Boise.com)
  - Objections to Specifications / Bidding process: 5:00 p.m. March 14, 2019
  - Due Date: March 19, 2019 3:00 p.m.
4. Submittal Requirements
  - 00 41 13 Bid Form
  - 00 43 22 Unit Prices Bid Form
  - 00 45 46 Contractor's Affidavit Concerning Taxes
  - Bid security required (5%)

Public Works License is required
5. Review of Plans and Specifications
6. Questions
7. Site Tour



ParkBOI Parking Garages – LED Light Upgrades  
9th & Main Garage | Capitol & Main Garage

Pre-Bid Meeting February 28, 2019 at 9:30 A.M.

Sign-In Sheet

Name	Company	Telephone Number	Email Address
Todd Sellman	Primary Electric	208-343-0953	Service@primaryinc.net
Brian McKay	Sprout Lighting	208-995-9244	brian@sproutenergy.com
Daven Storz	RSCI Group	208 861-7175	daven@RSCIgroup.com
David Deignan	The Car Park	208.761.7217	ddeignan@thecarpark.com
Jeremy Knight	TCP	208-297-8588	Thought@thecarpark.com
Ashli Sellman	Helixon Light	208-409-6932	ASsellman182@gmail.com
Ben Hardt	CCDC	208-319-1208	bhardt@ccdcboise.com
Kathy Wanner	CCDC	208-384-4264	kwanner@ccdcboise.com

**SECTION 00 43 22 UNIT PRICES BID FORM**  
**EXECUTE AND SUBMIT WITH BID**

**UNIT PRICES**

All Bidders must provide unit prices for the items listed below. These unit prices apply to and shall be the same for Base Bid and any subsequent and approved Change Orders.

Schedule A: Change Order Unit Prices		
Item	Unit of Measure	Amount
1. Cost to remove and install one fixture (fixture not included)	EA	\$
2. Cost of one new surface/canopy LED fixture	EA	\$
3. Cost of one new wall pack area LED fixture	EA	\$

SUBMITTED on \_\_\_\_\_, 2019.

**X** \_\_\_\_\_  
 SIGNATURE

\_\_\_\_\_  
 Idaho Public Works Contractor License No.

\_\_\_\_\_  
 Print Name and Title

\_\_\_\_\_  
 License Expiration Date

\_\_\_\_\_  
 Contractor / Company

\_\_\_\_\_  
 Federal Tax ID #

\_\_\_\_\_  
 Address

\_\_\_\_\_  
 E-mail Address

\_\_\_\_\_  
 City, State, Zip

\_\_\_\_\_  
 Phone No.

\_\_\_\_\_

\_\_\_\_\_  
 Fax No.

END OF SECTION 00 43 22

**SECTION 00 43 25 REQUEST FOR APPROVAL OF COMPARABLE PRODUCTS FORM**

For use during bidding process only.

TO: Jason Brunson / Kathy Wanner DATE: 2/25/19  
BEN Hought TIME: 3:00 P.M.

PROJECT NAME AND LOCATION: **PARKBOI PARKING GARAGES – LED LIGHT UPGRADES PROJECT**

We hereby submit for your consideration the following product instead of the specified item for the above project:

SECTION PARAGRAPH SPECIFIED ITEM  
ESL Vision Canopy Fixture ESL-CP-65W-250  
Proposed Comparable Product:

Reason for Request: High quality product similar to other accepted canopy fixtures currently listed

Provide the following information either below or as attachments:

- A. Include complete information on changes to Drawings and/or Specifications that the proposed comparable product would require for its proper installation. Include complete technical data, including laboratory tests, if applicable. Attached
- B. Provide evidence that the proposed product does not require substantive revisions to the Project Manual, that it is consistent with the Project Manual and will produce the indicated results, and that it is compatible with the other portions of the Work. See attached cut sheet, IES file, and installation sheet
- C. Will the undersigned Bidder or interested individual pay for changes to the Project design, including engineering and detailing costs caused by the requested comparable product? Yes  No
- D. Provide description of differences between comparable product and specified item. Include detailed comparison of significant qualities of proposed product with those named in the Specifications. See Section 01 60 00 for more information.) Very similar to the Lithuania cany fixture
- E. What effect does comparable product have on other trades? None
- F. Provide evidence that proposed product provides specified warranty. See catalog + cut sheet, 10 year warranty
- G. List similar installations for completed projects. For each project, provide the project name; contact information for key person responsible for project including name, address, telephone number and email address; and names, telephone numbers and email addresses for the owner and project engineer. Completed projects used as examples shall be accessible to Project Engineer and Owner. Capital + main location currently has the 45-watt version for demo on the N.E. corner of the 2nd floor.
- H. Provide Samples, if requested.
- I. Quantify the different in product cost, product delivery time and time of installation. Lower cost solution

**The undersigned states that the function, appearance and quality are equivalent or superior to the specified item.**

Submitted By: Nick Sullivan  
Firm: Heliodon Lighting  
Address: 1330 S. Division Boise ID 83706  
Telephone: 208/469-6932 Email: nsullivan182@gmail.com  
Remarks:

Instructions/Information for Person Completing this Form (continues on following page)

Bidder's request for comparable product approval shall be in writing and shall be accompanied by a completed "Request for Approval of Comparable Product" Form.

1. Requests shall be submitted to the Project Engineer no later than 5:00 p.m., seven (7) days prior to bid due date.
2. Requests that are incomplete will be rejected.
3. Project Engineer shall make the determination whether to allow a comparable product no later than the last day for issuing addenda for project and shall issue an addendum notifying bidders that a comparable product has been approved.
4. Project Engineer and/or Owner may determine, in their sole discretion that there is insufficient information or time to analyze a product given the time allowed for a decision by the Project Engineer.

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**For Use by Project Engineer:**

- Recommended       Recommended at noted  
 Not recommended       Received too late

By: 

Date: 2/28/19

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**For Use by Owner:**

Approved       Rejected

Owner's Representative: 

Date: 04 MAR 2019

END OF SECTION 00 43 25



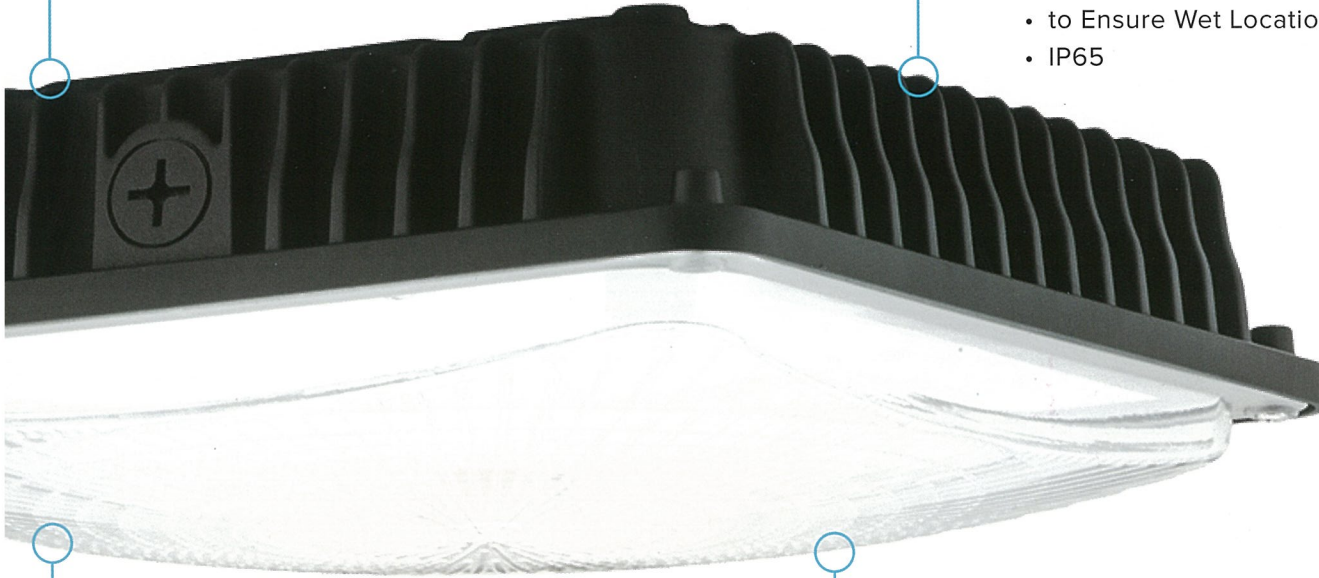
## KEY FEATURES & BENEFITS

### ELECTRICAL

- Universal Voltage 120-277 VAC
- 0-10v Dimming Class 2 Driver
- 45 Watt and 65 Watt Options
- 100,000 Hour LED Lifespan
- High Efficiency COB LEDs Provide up to 6,600 Lumens

### CONSTRUCTION

- Ultra-Slim Low Profile Design
- Rugged, Die-Cast Housing
- Polyester Powder Coat Finish (Bronze Standard\*)
- High-Temperature Silicone Gaskets to Ensure Wet Location Standards
- IP65



### OPTICS

- Precision Optics Provides Optimum Light Distribution
- Reduces "Cave Effect"
- Shatter and Impact Resistant Polycarbonate Lens
- UV Stabilized
- 3000K, 4000K and 5000K Options



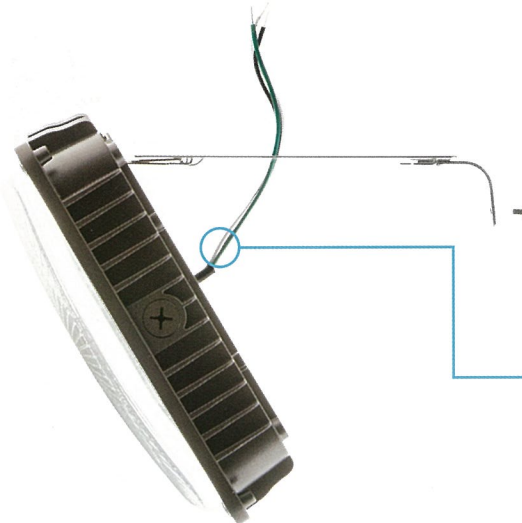
**REMOTE PROGRAMMABLE**

### OPTIONS

- Photocell & Occupancy Capable
  - Vandal proof – located inside the fixture
  - Programmable – use remote to control dimming and time delay
- External Emergency Backup up to 1,700 Lumens

### INSTALLATION

- Easy Installation Mounting Plate for Surface Mount Installations
- 3/4" Hole for Pendant/J-Box or Surface Mount Installations
- 1/2" Knockouts for Conduit Installations





PRODUCT OVERVIEW

ESL	-	CP	-	(yy)W	-	2	-	
ESL	-	SERIES	-	WATTAGE	-	GENERATION	-	OPTIONS

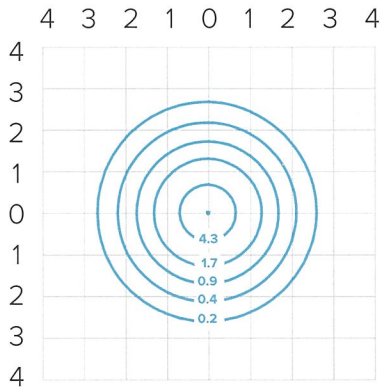
OPTIONS

- ESL-4OCC-LDD Photocell/Occupancy Sensor for Standard Mounting, Dip Switch, 0-10v
- ESL-REM-100 Infrared Remote
- ESL-EMG-4DC-9W Internal Emergency Backup

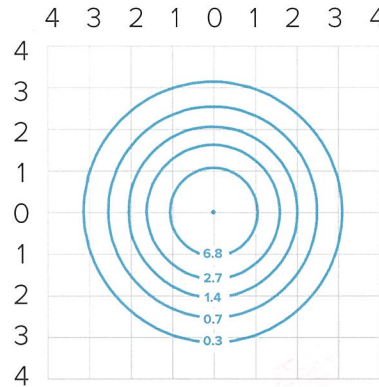
45  
WATT

65  
WATT

SERIES	PART NUMBER	MAX LM/W	MAX LUMENS PER WATT	AVAILABLE KELVIN (xx)	INPUT VOLTAGE	DIMENSIONS
Canopy	ESL-CP-45W-2xx	4,200	94	4000K (40) 5000K (50)	50K	9.57"x9.57"x3.07"
Canopy	ESL-CP-65W-2xx	6,600	102	4000K (40) 5000K (50)	50K	9.57"x9.57"x3.07"



45 WATT @ 10FT MOUNTING



65 WATT @ 10FT MOUNTING

= 10 ft<sup>2</sup>  
values shown in foot-candles



# LED CANOPY SERIES

CP - 65 Watts

PAGE 1 OF 1

- Ultra slim profile
- Pendant or surface mount
- Single array diode
- Ingress wet rated IP65
- Continuous gasketed seal
- Optical grade polycarbonate lens:
  - UV stabilized
  - Molded prismatic for optimal uniformity
  - Impact resistant
- Limited 10 year warranty
- Environmentally Friendly:
  - No mercury
  - No hazardous substances
  - Reduced energy consumption
- 0-10V Dimming optional
- Die-cast aluminum housing
- (3) 1/2" Threaded conduit on sides
- (1) 3/4" Threaded conduit on back of housing
- DLC 4.0



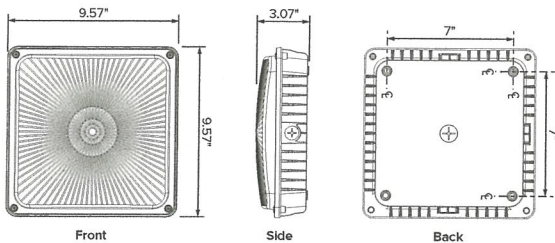
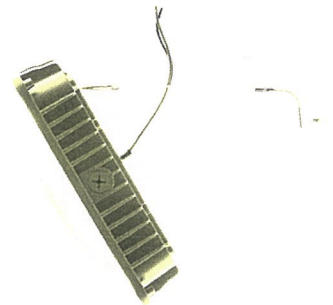
Project:  
Catalog #:  
Notes:

Date:



Input Power: 65 Watts  
 Input Voltage: 120-277 VAC  
 Input Current @ 120: 0.54 Amps  
 Input Current @ 277: 0.23 Amps  
 Total Harmonic Distortion (THD):  
 THD @ 120V: 10%  
 THD @ 277V: 14%

Lumen Output: Up to 4,200 Lumens  
 Efficacy (lm/W): Up to 93 Lumens  
 Kelvin: 4000K, 5000K  
 Color Rendering Index (CRI): >70  
 Beam Angle: 155-160°  
 Lens Type: Polycarbonate Optical Lens  
 Photocell Compatible: Yes  
 L70 Lifetime: >50,000 Hours



ITEM#	WATTS	LUMEN OUTPUT	EFFICACY (lm/W)	KELVIN	DLC QPL CODE
ESL-CP-65W-240	65W	6,458	101	4000K	PCXJT6UB
ESL-CP-65W-250	65W	6,600	101	5000K	P1JGPPXA

## Example Part Number: ESL-CP-65W-250

ESL	-	CP	-	65W	-	2	-	
ESL		TYPE		WATTS		GENERATION		KELVIN*
		CP (Canopy)		65W		2 (2nd Generation)		40 (4000 Kelvin) 50 (5000 Kelvin)
								OPTIONS

ESL-40CC (Occupancy Sensor, 0-10v Dimming, 8'-20' Mounting)  
 ESL-REM-101 (Remote control to field program 40CC Sensor)  
 ESL-EMG-AC-18W (External Emergency Backup 1,700 Lumens (Remote Mounted))

\* Other kelvin options available upon request

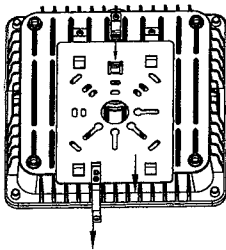
# CANOPY SERIES

## CP Installation Guide

### Pendent with 3/4 inch Conduit

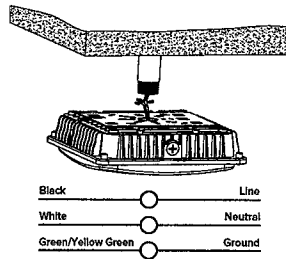
**STEP 1:**

Loosen the screw on side of the light, removing the bracket from Canopy light by pulling it slightly out, just leaving the ring on bracket.



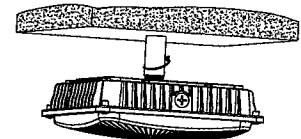
**STEP 2:**

Connect the wires threaded from conduit and Canopy, Black wire for Line, White for Neutral, Green/Yellow Green for Ground.



**STEP 3:**

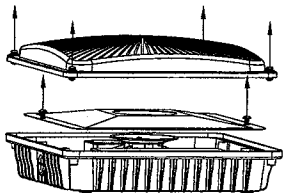
Screw the Conduit into the hole on top of Canopy light. Installation done.



### Surface mount

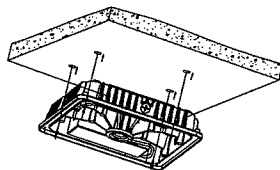
**STEP 1:**

Remove the lens and metal plate by unscrewing the screws.



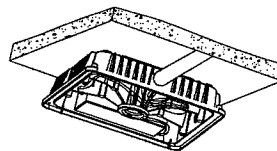
**STEP 2:**

Cut off the wires through from 3/4" hole and plug the hole with provided Plug. Drill 4 holes on edge of fixture and fix it on the ceiling with using appropriate screws.



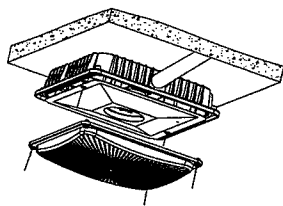
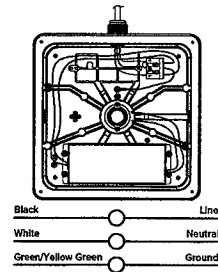
**STEP 3:**

Remove 1/2" plug from direction you intend to feed conduit.



**STEP 4:**

Disconnect the wires came from 3/4" hole and connect the wires came from 1/2" conduit with canopy. (Black wire for Line, White for Neutral, Green/Yellow Green for Ground)

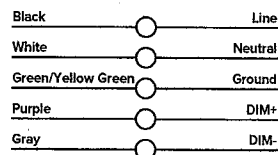


**STEP 5:**

Replace the metal plate and the lens, make sure no wires are pinched when replacing parts.

### Wiring Diagram

Please see wiring diagram below for 0-10V dimming.





SECTION 00 43 25 REQUEST FOR APPROVAL OF COMPARABLE PRODUCTS FORM

For use during bidding process only.

TO: John Gregg @ CSHQA DATE: 3-8-19  
TIME: 10:00AM

PROJECT NAME AND LOCATION: **PARKBOI PARKING GARAGES – LED LIGHT UPGRADES PROJECT**

We hereby submit for your consideration the following product instead of the specified item for the above project:

SECTION E00 - E16 PARAGRAPH \_\_\_\_\_ SPECIFIED ITEM Type WPI & Type S1

Proposed Comparable Product: Equal Product To Lithonia & ECO Lighting  
Reason for Request: \_\_\_\_\_

The McGraw Listed Not Equal to others Speced. These are More in line with The Lithonia & ECO.  
Provide the following information either below or as attachments:

- A. Include complete information on changes to Drawings and/or Specifications that the proposed comparable product would require for its proper installation. Include complete technical data, including laboratory tests, if applicable. No Changes To Drawing or Spec. Data Sheets Included, See attached
- B. Provide evidence that the proposed product does not require substantive revisions to the Project Manual, that it is consistent with the Project Manual and will produce the indicated results, and that it is compatible with the other portions of the Work. See attached Data Sheets
- C. Will the undersigned Bidder or interested individual pay for changes to the Project design, including engineering and detailing costs caused by the requested comparable product? Yes \_\_\_\_\_ No X
- D. Provide description of differences between comparable product and specified item. Include detailed comparison of significant qualities of proposed product with those named in the Specifications. See Section 01 60 00 for more information.) They are Equal
- E. What effect does comparable product have on other trades? None
- F. Provide evidence that proposed product provides specified warranty. See attached Data Sheets
- G. List similar installations for completed projects. For each project, provide the project name; contact information for key person responsible for project including name, address, telephone number and email address; and names, telephone numbers and email addresses for the owner and project engineer. Completed projects used as examples shall be accessible to Project Engineer and Owner. 10 Mile Crossing - PVE/Babcock  
Cliffbar - PVE/Babcock  
Boise City Center - PVE/Babcock
- H. Provide Samples, if requested. OK
- I. Quantify the different in product cost, product delivery time and time of installation. Equal to Spec

The undersigned states that the function, appearance and quality are equivalent or superior to the specified item.

Submitted By: Katie Smith  
Firm: Idaho Lighting Solutions  
Address: 216 SW 5th Ave, STE. #110  
Telephone: 208-447-7514 Email: KatieS@ILSBOISE.COM

Remarks:

Instructions/Information for Person Completing this Form (continues on following page)

Bidder's request for comparable product approval shall be in writing and shall be accompanied by a completed "Request for Approval of Comparable Product" Form.

1. Requests shall be submitted to the Project Engineer no later than 5:00 p.m., seven (7) days prior to bid due date.
2. Requests that are incomplete will be rejected.
3. Project Engineer shall make the determination whether to allow a comparable product no later than the last day for issuing addenda for project and shall issue an addendum notifying bidders that a comparable product has been approved.
4. Project Engineer and/or Owner may determine, in their sole discretion that there is insufficient information or time to analyze a product given the time allowed for a decision by the Project Engineer.

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**For Use by Project Engineer:**

Recommended       Recommended at noted      By: Jason I Bruns  
 Not recommended       Received too late      Date: 03/11/2019

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**For Use by Owner:**

Approved       Rejected  
Owner's Representative: [Signature]      Date: 11 MAR 2019

END OF SECTION 00 43 25

Date: Mar 8, 2019

Quote: ILSBOISE19-3458

Page 1/1



# Bill of Material

Idaho Lighting Solutions  
216 SW 5th Ave, Suite 110  
Meridian ID 83642  
Phone: (208) 344-4223  
Quoter: Katie Smith

**Project** Capitol and Main/ 9th and Main Parking  
Garage  
**Location** Boise ID

**To:** John Gragg  
CSHQA

**For**  
**Bid Date** Mar 8, 2019

Type	MFG	Part
S1	LUMARK	CLCSLED-55-SM-UNV-7050/CLCSPEND
WP1	RAYON	T639-30-UNI12-50-T3-BZ



## DESCRIPTION

The CLCSLED luminaire provides a slim, low profile, traditional design with high performance energy efficient illumination. Rugged die-cast aluminum construction and gasketed housing make the CLCSLED virtually impenetrable to contaminants. UL/cUL wet location listed. Replaces up to 400W metal halide equivalent. The CLCSLED canopy luminaire mounts quickly to a variety of surfaces making it ideal for bank drive-thrus, covered side walks, hospitality entryways, and retail drive-thrus.

<b>Catalog #</b>	CLCSLED-55-SM-UNV-7050/CLCSPEND	<b>Type</b>	S1
<b>Project</b>	CAPITOL AND MAIN AND 9TH AND MAIN PARKING	<b>Date</b>	
<b>Comments</b>		3-8-19	
<b>Prepared by</b>	KS		

## SPECIFICATION FEATURES

### Construction

**HOUSING:** Durable, die-cast aluminum housing with (4) 1/2" NPS side conduit entries. UL 1598 wet location listed and IP66 ingress protection rated.

### Optical

Solid state LED luminaires are thermally optimized with four lumen packages. Available in cool 5000K or neutral 4000K LED color temperatures (CCT).

### Electrical

LED driver and related electrical components are hard mounted to the die-cast housing for optimal heat sinking and operating efficiency. Integral driver incorporates internal fusing designed to withstand a 4kV surge test and is rated for 120-277V 50/60Hz and 347V 60Hz with an operating temperature range of -40°C to 25°C (select SKUs at 40°C maximum). CLCSLED LED systems maintain greater than 94% of the initial light output after 50,000 hours of operation.

### Mounting

Standard fixture mounts to a square or octagonal 4" surface or recessed j-box via heavy-gauge quick mount bracket.

### Finish

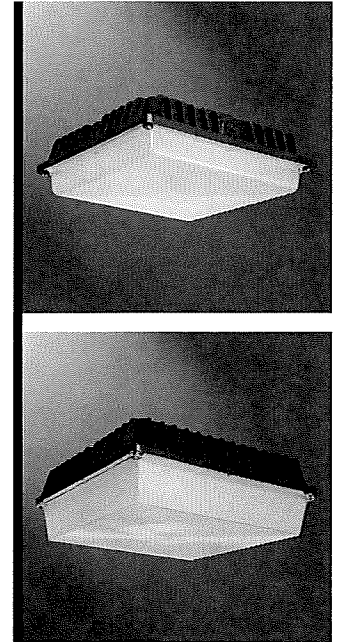
Housing finished in a UV stabilized powder coat paint for superior protection against fade and wear. Standard color is bronze.

### Options

3/4" pendant mount in 6" length available as an option.

### Warranty

Five-year warranty.



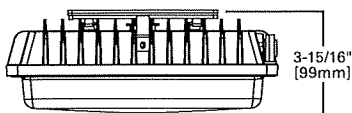
## CLCSLED

36W, 56W, 92W, 121W  
LED

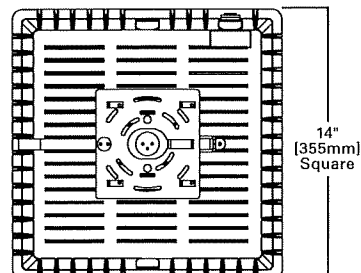
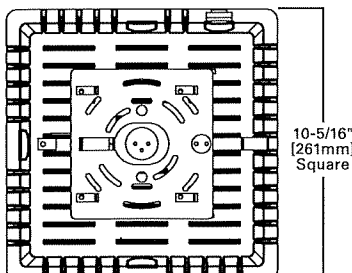
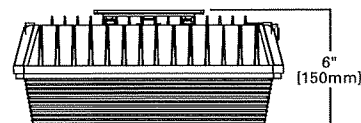
CANOPY LUMINAIRE

## DIMENSIONS

36W-56W Model



92W-121W Model



### TECHNICAL DATA

UL/cUL Wet Location Listed  
IP66 Rated  
DesignLights Consortium® Qualified\*

### SHIPPING DATA

Approximate Net Weight:  
5-8 lbs. (2.26-3.71 kgs.)

**POWER AND LUMENS**

4000K	CLCSLED-40	CLCSLED-55	CLCSLED-86	CLCSLED-117
Delivered Lumens	4,839	7,230	11,494	13,828
CCT (Kelvin)	4000	4000	4000	4000
CRI (Color Rendering Index)	70	70	70	70
Power Consumption (Watts)	36	56	92	121
5000K	CLCSLED-40	CLCSLED-55	CLCSLED-86	CLCSLED-117
Delivered Lumens	4,739	6,878	11,279	13,882
CCT (Kelvin)	5000	5000	5000	5000
CRI (Color Rendering Index)	70	70	70	70
Power Consumption (Watts)	36	56	90	120

**LUMEN MAINTENANCE**

Ambient Temperature	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
25°C	94.88%	346,000
40°C	94.03%	294,000

**CURRENT DRAW**

Voltage (V)	Model Series			
	CLCSLED-40	CLCSLED-55	CLCSLED-86	CLCSLED-117
	Current (A)	Current (A)	Current (A)	Current (A)
120V	0.31	0.47	0.73	0.98
208V	0.18	0.27	0.42	0.55
240V	0.15	0.23	0.36	0.47
277V	0.13	0.20	0.32	0.41
347V	0.12	0.16	0.25	0.34

**LUMEN MULTIPLIER**

Ambient Temperature	Lumen Multiplier
10°C	1.03
15°C	1.02
25°C	1.00
40°C	0.97

**ORDERING INFORMATION**

Sample Number: CLCSLED-40-SM-UNV

Product Family <sup>1,2</sup>	Lamp Wattage	Mount	Voltage	Options (Add as Suffix) <sup>5</sup>	Accessories (Order Separately)
CLCSLED	40=36W <sup>3</sup> 55=56W <sup>3</sup> 86=92W <sup>4</sup> 117=121W	SM=Surface Mount	UNV=120-277V 347=347V	Blank=70 CRI / 4000K 7050=70 CRI / 5000K BPC=120-277V Button Photocontrol 10kV=10kV Surge Protection	CLCSPEND=6" Long, 3/4" Pendant Mount

**NOTES:**

1. Available in bronze only.
2. DesignLights Consortium® Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details.
3. 40°C maximum ambient operating temperature standard in all UNV configurations. 25°C maximum ambient operating temperature standard in all 347V configurations.
4. 40°C maximum ambient operating temperature standard in all 92W configurations.
5. Extended lead times apply.

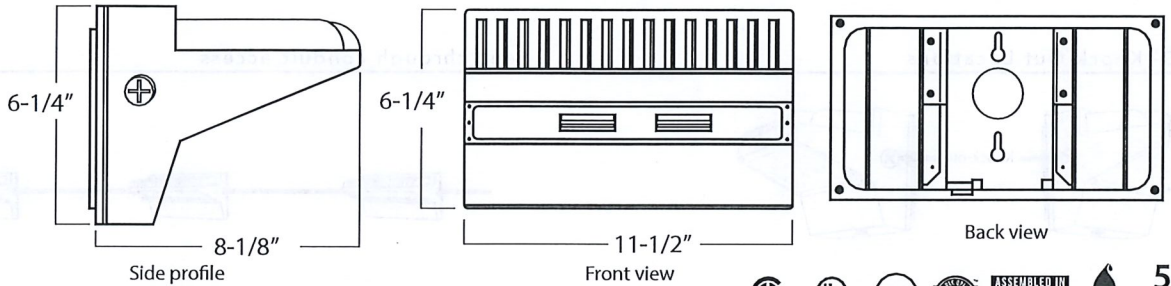


## T639LED

11" SLIM LED WALL PACK

JOB INFORMATION	TYPE: <b>WP1</b>
	CATALOG NO. <b>T639-30-UNI12-50-T3-BZ</b>
	PROJECT NAME: <b>Capitol &amp; Main and 9th &amp; Main</b>
	COMMENTS:
	PREPARED BY: <b>KS</b>

### DIMENSIONS



### FEATURES



#### USE OF PRODUCT

The intended use of this product is for any outdoor commercial or industrial building accent, pedestrian walkways, public access areas, or recreation areas.

#### HOUSING

Rugged die cast aluminum housing with hinged front frame. 1/2" coin plugs with O-rings for conduit & photocell.

#### FINISH

Matt-finished, architectural bronze powdercoat over a precise chromate conversion coating. Available in standard dark polyester bronze or consult factory for made to order architectural finishes.

#### OPTICS

Specular anodized aluminum reflector with clear tempered glass lens. Lens is sealed by one-piece silicon gasket prohibits entrance of outside contaminants.

#### LED

High output LEDs offer a minimum estimated operating life of 50,000 hours in 5000K with CRI>84; Efficacy: 116lm/W. LEDs placed on high performance aluminum heatsink for reduced junction temperatures and extended life.

#### DRIVER

Durable and long lasting LED dimmable driver operates at 120-277V; Power factor: 0.15; 50 to 60 Hz.

#### MOUNTING

Cast-in template for mounting directly over a 4" recessed outlet box or 1/2" surface conduit.

#### EPA

Effective Projected Area (Sq. Ft.): 0.156 ft<sup>2</sup> (1 fixture)

#### WEIGHT

10 Lbs

#### LISTINGS/COMPLIANCE

- CEC Compliant emergency driver
- CSA - Listed for wet location.
- DLC

#### B.U.G. Rating

	T2 Optics	T3 Optics	T4 Optics	T5 Optics
T639LED-10	B0-U0-G1	B0-U0-G1	B0-U0-G1	B1-U0-G0
T639LED-20	B1-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G0
T639LED-30	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G1
T639LED-40	B1-U0-G2	B1-U0-G1	B1-U0-G1	B2-U0-G1
T639LED-58	B1-U0-G2	B1-U0-G1	B1-U0-G2	B3-U0-G1
T639LED-84	B2-U0-G3	B1-U0-G2	B2-U0-G2	B3-U0-G1

### ORDERING INFO

Series	Watt/lumens	Voltage	Color Temperature	Distribution Types	Finish	Options
T-SERIES LED	10 - 10W/1110 20 - 20W/2220 30 - 30W/3330 40 - 40W/4350 58 - 58W/6050 84 - 84W/8750	UNI12-120V-277V	30 - 3000K 35 - 3500K 40 - 4000K 50 - 5000K	T2 - Type II T3 - Type III T4 - Type IV T5 <sup>1</sup> - Type V	BZ - Bronze MTO - Made to Order	PC1 - Photocell 120V PC2 - Photocell 277V MS - Motion Sensor (External) SP10 - Surge protection 10KV LPL - PIR sensor (low 8' mounting height) LPM - PIR sensor (medium 20' mounting height) LPF - Radio module PCB assembly

Notes:  
1. Standard distribution type.

### ORDERING INFO(DLC)

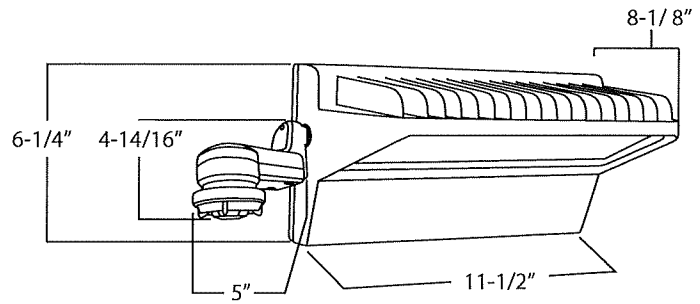
Series	Watt/lumens	Voltage	Color Temperature	Finish	Options
T639LEDB	80	UNI12	50		
T-SERIES LED	80 - 80W/9525	UNI12 - 120V-277V 347 <sup>1</sup> - 347V 480 <sup>1</sup> - 480V	50 - 5000K	BZ - Bronze MTO - Made to Order	PC1 - Photocell 120V PC2 - Photocell 277V MS - Motion Sensor (External) SP10 - Surge protection 10KV

Notes:  
1. Step down transformer required.

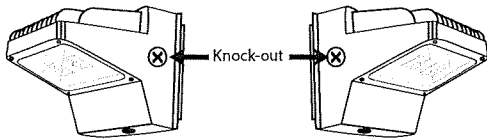


## Motion Sensor

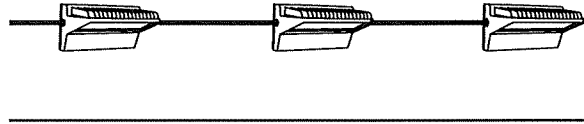
**FIXTURE MOUNT MOTION SENSOR:**  
 360° COVERAGE, LINE VOLTAGE, IP66 RATED



## T639LED- Knock-Out Locations

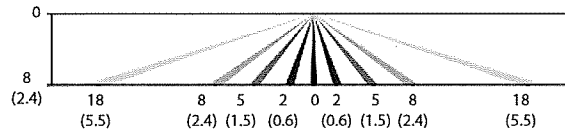
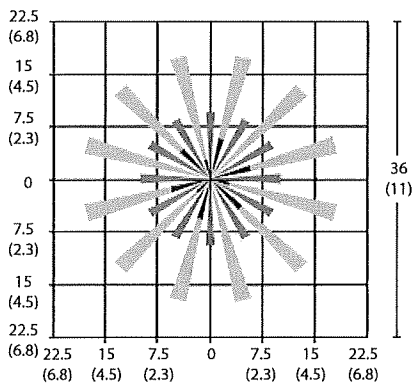


## Feed through conduit access

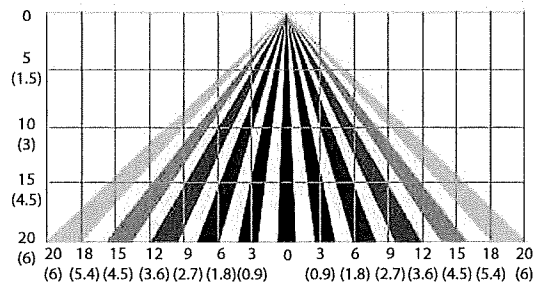
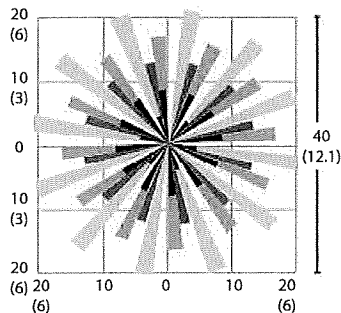


## Fixture Mount

LPL - PIR sensor (low mounting height 8ft)



LPM - PIR sensor (medium mounting height 20ft)



**SECTION 00 43 25 REQUEST FOR APPROVAL OF COMPARABLE PRODUCTS FORM**

**For use during bidding process only.**

TO: CSHQA Kathy Wanner DATE: 3/12/2019  
TIME: \_\_\_\_\_

PROJECT NAME AND LOCATION: **PARKBOI PARKING GARAGES – LED LIGHT UPGRADES PROJECT**

We hereby submit for your consideration the following product instead of the specified item for the above project:

SECTION	PARAGRAPH	SPECIFIED ITEM
_____	_____	<u>fixture types S1 &amp; WP1</u>

Proposed Comparable Product:  
S1 Paclights FCPG-055-50-DB WP1 Paclights FWPR-040-50

Reason for Request:  
PRIOR SUBMITTALS/EQUALS

Provide the following information either below or as attachments:

- A. Include complete information on changes to Drawings and/or Specifications that the proposed comparable product would require for its proper installation. Include complete technical data, including laboratory tests, if applicable.
- B. Provide evidence that the proposed product does not require substantive revisions to the Project Manual, that it is consistent with the Project Manual and will produce the indicated results, and that it is compatible with the other portions of the Work.
- C. Will the undersigned Bidder or interested individual pay for changes to the Project design, including engineering and detailing costs caused by the requested comparable product? Yes  No \_\_\_\_\_
- D. Provide description of differences between comparable product and specified item. Include detailed comparison of significant qualities of proposed product with those named in the Specifications. See Section 01 60 00 for more information.)
- E. What effect does comparable product have on other trades? NONE
- F. Provide evidence that proposed product provides specified warranty. ATTACHED
- G. List similar installations for completed projects. For each project, provide the project name; contact information for key person responsible for project including name, address, telephone number and email address; and names, telephone numbers and email addresses for the owner and project engineer. Completed projects used as examples shall be accessible to Project Engineer and Owner.
- H. Provide Samples, if requested. YES
- I. Quantify the different in product cost, product delivery time and time of installation. NONE

**The undersigned states that the function, appearance and quality are equivalent or superior to the specified item.**

Submitted By: MIKE DECKER  
Firm: LED REPRESENTATIVES  
Address: 12711 W BERGHAN ST BOISE, ID 83709  
Telephone: 208-431-7625 Email: MIKE@LEDLIGHTINGREPS.COM  
Remarks:

Instructions/Information for Person Completing this Form (continues on following page)

Bidder's request for comparable product approval shall be in writing and shall be accompanied by a completed "Request for Approval of Comparable Product" Form.

1. Requests shall be submitted to the Project Engineer no later than 5:00 p.m., seven (7) days prior to bid due date.
2. Requests that are incomplete will be rejected.
3. Project Engineer shall make the determination whether to allow a comparable product no later than the last day for issuing addenda for project and shall issue an addendum notifying bidders that a comparable product has been approved.
4. Project Engineer and/or Owner may determine, in their sole discretion that there is insufficient information or time to analyze a product given the time allowed for a decision by the Project Engineer.

---

**For Use by Project Engineer:**

Recommended       Recommended at noted      By: Jason I. Bruno  
 Not recommended       Received too late      Date: 03/13/2019

---

**For Use by Owner:**

Approved       Rejected  
Owner's Representative: [Signature]      Date: 3/13/19

END OF SECTION 00 43 25





**Date: Mar 12, 2019**

LED Representatives  
12711 Berghan Street  
Boise ID 83709  
Phone: (208) 431-7625  
Fax:

Job Name  
**CAPITAL & MAIN PARKING GARAGE**  
LEDR19-47  
BOISE ID

Bid Date  
Mar 12, 2019

Submittal Date  
Mar 12, 2019



# Transmittal

LED Representatives  
 12711 Berghan Street  
 Boise ID 83709  
 Phone: (208) 431-7625  
**From: Mike Decker**

**Project** CAPITAL & MAIN PARKING GARAGE  
**Quote#** LEDR19-47  
**Location** BOISE ID  
**To** CSHQA BOISE  
 200W BROAD ST  
 Boise ID 83702  
 Contact: Kathy Wanner

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- |                                   |   |        |
|-----------------------------------|---|--------|
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints   | <input type="checkbox"/> Information    |        |
| <input type="checkbox"/> Plans    | <input type="checkbox"/> Submittals     |        |

THESE ARE TRANSMITTED FOR:

- |  |   |                                 |
|--|---|---------------------------------|
| <input checked="" type="checkbox"/> Prior Approval | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input type="checkbox"/> Approval                  | <input type="checkbox"/> Corrections              | Bids due on:                    |
| <input type="checkbox"/> Approval as Submitted     | <input type="checkbox"/> Your Use                 | Other:                          |
| <input type="checkbox"/> Approval as Noted         | <input type="checkbox"/> Review and Comment       |                                 |

<b>Type</b>	<b>MFG</b>	<b>Part</b>
SL1	PACLIGHTS	<a href="#">FCPG-055-50-DB</a>



**Date: Mar 13, 2019**

LED Representatives  
12711 Berghan Street  
Boise ID 83709  
Phone: (208) 431-7625  
Fax:

Job Name  
**9TH & MAIN PARKING GARAGE**  
LEDR19-46  
BOISE ID

Bid Date  
Mar 11, 2019

Submittal Date  
Mar 12, 2019



# Transmittal

LED Representatives  
 12711 Berghan Street  
 Boise ID 83709  
 Phone: (208) 431-7625  
**From: Mike Decker**

**Project** 9TH & MAIN PARKING GARAGE  
**Quote#** LEDR19-46  
**Location** BOISE ID  
**To** CSHQA BOISE  
 200W BROAD ST  
 Boise ID 83702  
 Contact: John Gragg

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- |                                   |  |        |
|-----------------------------------|--|--------|
| <input type="checkbox"/> Drawings | <input checked="" type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints   | <input type="checkbox"/> Information               |        |
| <input type="checkbox"/> Plans    | <input type="checkbox"/> Submittals                |        |

THESE ARE TRANSMITTED FOR:

- |  |  |                                 |
|--|--|---------------------------------|
| <input checked="" type="checkbox"/> Prior Approval | <input checked="" type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input type="checkbox"/> Approval                  | <input type="checkbox"/> Corrections                         | Bids due on:                    |
| <input type="checkbox"/> Approval as Submitted     | <input type="checkbox"/> Your Use                            | Other:                          |
| <input type="checkbox"/> Approval as Noted         | <input type="checkbox"/> Review and Comment                  |                                 |

Type	MFG	Part
SL1	PACLIGHTS	<a href="#">FCPG-055-50-DB</a>
WP1	PACLIGHTS	<a href="#">FWPR-040-50-</a>



**Job Name:**  
9TH & MAIN PARKING GARAGE  
CAPITOL & MAIN PARKING GARAGE

**Catalog Number:**  
FCPG-055-50-DB

Notes:

**Type:**

**SL1**

LEDR19-46

**FCPG Series**

**LED Parking Garage Light**



**OVERVIEW**

The FCPG Series are LED garage light with lumen outputs ranging from 5,374 L to 13,336 L. The fixture is IP65 rated and is offered in various color temperatures, and optional motion sensor for more energy saving.

- Limited Warranty: 5 Years
- Efficacy: up to 133 LPW
- Lumen Output: 5,374 - 13,336 LM
- Wattage: 40 - 100 W



**APPLICATIONS**

This light can be used for indoor or outdoor applications. Typically used for parking garage, gas stations, or warehouse applications.

**Project:**

**Type:**

**Prepared By:**

**Date:**

**Models**

Model	Watts(W)	Lumens (LM)	Efficacy (LPW)
FCPG040	40	5,374	131.91
<b>FCPG055</b>	<b>55</b>	<b>7,423</b>	<b>132.84</b>
FCPG075	75	9,962	132.81
FCPG100	100	13,336	131.52

\*Lumen Output based on universal voltage models at 5000K. Also available in Color Temperatures of 4000K, 4500K, and 5700K.

**Technical Specifications**

**Warranty**

PacLights warrants these LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please refer to our full warranty.

**Qualifications**

**UL Listed:**  
E473037 Suitable for Wet Locations  
**IESNA LM79 & LM-80 Testing:**  
Paclights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.  
**DLC Qualification:**  
Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl)

**Construction**

**IP Rating:**  
Ingress Protection rating of IP65 for dust and water  
**Ambient Temperature:**  
Suitable for up to 113° F (45° C) ambient temperature  
**Cold Weather Starting:**  
The minimum starting temperature is -4°F /-20°C  
**Thermal Management:**  
Superior thermal management with external Air-Flow fins.  
**Housing:**  
White Aluminum  
**Mounting Methods:**  
3/4" Conduit Mount, Surface Mount, (Optional) Suspended Mount  
**Green Technology:**  
Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.  
**Gaskets:**  
Silicon Gaskets  
**Lens:**  
PC Drop Lens  
**Finish:**  
Our environmentally friendly polyester powder coating are formulated from high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

**LED Characteristics**

**LEDs:**  
Multi-chip, high-output, long-life LEDs  
**Color Stability:**  
LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.  
**Color Temp:**  
4000 K ( Natural white), 4500K, 5000 K (Daylight), 5700 K  
**Color Uniformity:**  
Paclights range of CCT follows the guidelines of the American National Standards for the Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANCI c78.377.2011  
**Color Rendering Index:**  
>80  
**Driver Info**  
Input Voltage: 100-277Vac, 50-60 Hz  
0-10 V Dimmable Driver (for all models)  
Power Factor: >0.9  
  
(HV option for FCPG040)  
Input Voltage: 347-480Vac, 50-60 Hz  
Power Factor: >0.9

**Ordering Matrix**

Model	Wattage	Color Temperature	Input Voltage	Optional Add-ons
<b>FCPG</b>	<b>040</b>	<b>50</b>	<b>HV</b>	<b>MO</b>
	040 = 40 W <b>055 = 55 W</b> 075 = 75 W 100 = 100 W	40 = 4000 K 45 = 4500 K <b>50 = 5000 K</b> 57 = 5700 K	[blank] = Universal Voltage 100-277Vac, 50-60 Hz HV = High Voltage 347-480Vac, 50-60 Hz (for FCPG040 only)	MO = SE-MT-MC805VD Microwave Motion Sensor SB = AC-CPG-SB Suspended Mount Bracket



Need help? Tech help line: (800) 988-6386 Email: [cs@paclights.com](mailto:cs@paclights.com) Website: [www.paclights.com](http://www.paclights.com)  
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Note: specifications are subject to change at any time without notice

Page 1 of 2

**DB-DARK BRONZE, IF REQUIRED**

03-00030-031318

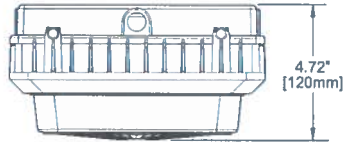
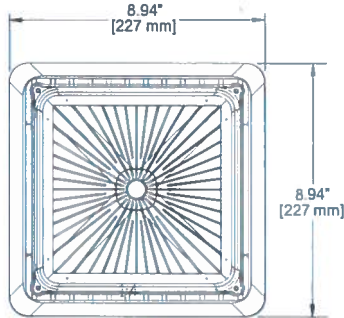


**FCPG Series LED Parking Garage Light**

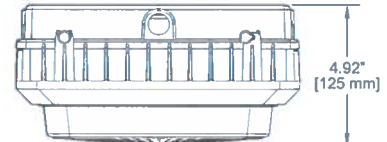
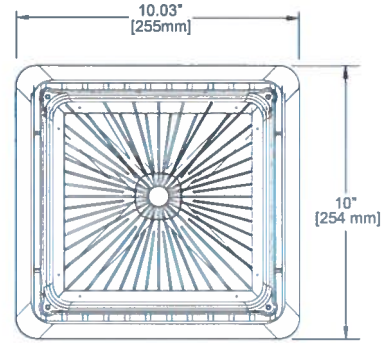


**Dimensions**

FCPG040  
FCPG055



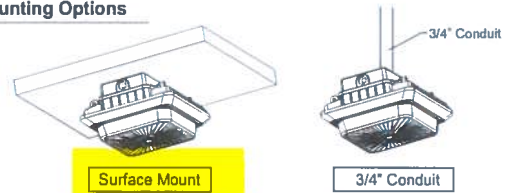
FCPG075  
FCPG100



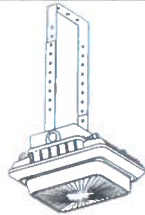
**SE-MT-MC605VD- Microwave Motion Sensor (Optional)**

The SE-MT-MC605VD Microwave Motion Sensor automatically dims the fixture when no motion is detected. It can also be set up to adjust the hold time, stand-by period, stand-by dimming level, and the daylight sensor. For more information, see installation guide.

**Mounting Options**



**AC-CPG-SB- Suspended Mount Bracket (Optional)**



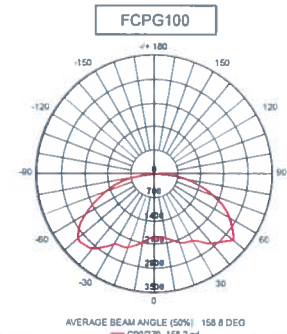
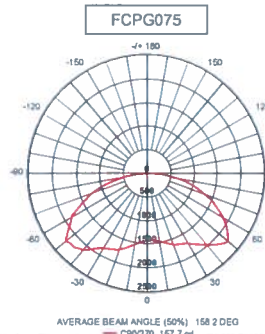
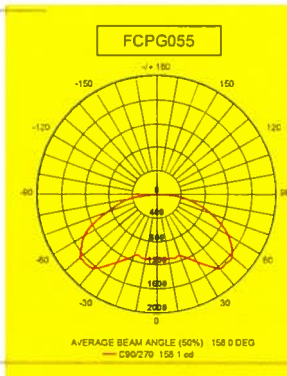
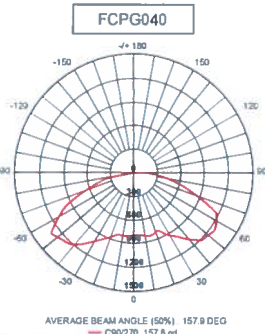
The AC-CPG-SB Suspended Mount Bracket is a surface mount bracket used to adjust the FCPG fixture's mounting height instead of having the fixture directly surface mounted to a fixed position.

**Luminous Intensity Distribution**

Model	10 ft High	14 ft High	17 ft High	20 ft High
FCPG040	1.7/6.9	1.5/3.7	1.3/2.6	1.1/1.9
FCPG055	2.4/9.3	2.0/5.0	1.8/3.5	1.5/2.6
FCPG075	3.1/14.2	2.7/7.4	2.4/5.1	2.0/3.6
FCPG100	4.1/18.2	3.6/9.5	3.1/6.4	2.7/4.7

\*E avg / E max [fc/ftc]

**Polar Candela Distribution**





**FWPR Series**
**LED Wall Light**

**OVERVIEW**

The FWPR series LED wall light is a high performance LED fixture with lumen values ranging from 3200 LM to 13,400 LM. The FWPR series also comes with an 360° adjustable housing with a 60° beam angle, giving the user more control on the light.

**APPLICATIONS**

This light can be used for outdoor/indoor applications to be mounting on to a wall, or to be used as a flood light.

- Limited Warranty: 5 Years
- Efficacy: up to 133 LPW
- Lumen Output: 3280 - 13395 LM
- Wattage: 25 - 120 W


**Project:**
**Type:**
**Prepared By:**
**Date:**
**Models**

Model	Watts(W)	Lumens (LM)	Efficacy (LPW)
FWPR025	25	3280	130
<b>FWPR040</b>	<b>40</b>	<b>5131</b>	<b>128</b>
FWPR060	60	7068	118
FWPR080	80	10,598	133
FWPR120	120	13,395	119

\*Lumen Output based on universal voltage models at 5000K  
Also available in Color Temperatures of 4000K, and 5700K and in HV

**Technical Specifications**
**Warranty**

Paclights warrants these LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please refer to our full warranty.

**Qualifications**

**UL Listed:**  
E473037

**IESNA LM79 & LM-80 Testing:**

Paclights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

**DLC Qualification:**

Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl)

**Construction**
**IP Rating:**

Ingress Protection rating of IP65 for dust and water

**Ambient Temperature:**

Suitable for up to 113° F (45° C) ambient temperature

**Cold Weather Starting:**

The minimum starting temperature is -4° F (-20° C)

**Thermal Management:**

Superior thermal management with external Air-Flow fins.

**Housing:**

Die-cast aluminum housing

**Lens:**

Polycarbonate

**Mounting Methods:**

Surface mount, angle is adjustable.

**Green Technology:**

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

**Finish:**

Our environmentally friendly polyester powder coating are formulated from high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

**LED Characteristics**
**Lifespan:**

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

**LEDs:**

Multi-chip, high-output, long-life LEDs

**Color Stability:**

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

**Color Temp:**

4000 K ( Natural white), 5000 K (Daylight), 5700 K

**Color Uniformity:**

Paclights range of CCT follows the guidelines of the American National Standards for the Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANCI e78.377.2011

**Color Rendering Index:**

>70

**Electrical**
**Drivers:**

100-277V Input , 50-60 Hz  
Power Factor > 90%

**Ordering Matrix**

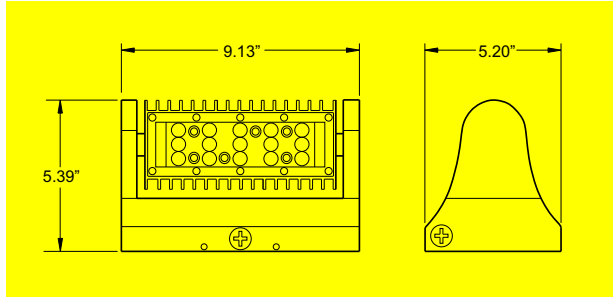
Model	Wattage	Color Temperature	Housing Color	Option
<b>FWPR</b>	<b>025</b>	<b>50</b>	<b>BK</b>	<b>PS</b>
	025 = 25 W	40 = 4000 K	[blank] = Dark Bronze	[blank] = none
	<b>040 = 40 W</b>	<b>50 = 5000 K</b>	BK = Black	PS = photocell sensor
	060 = 60 W	57 = 5700 K	SG = Silver Gray	EJ = extended junction box
	080 = 80 W		WH = White	
	120 = 120 W			

**FWPR Series LED Wall Light**

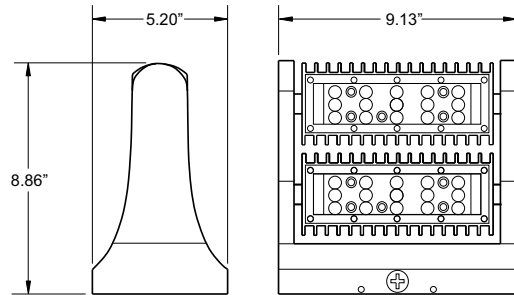


**Dimensions**

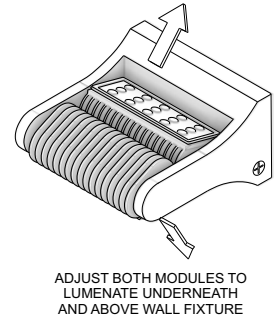
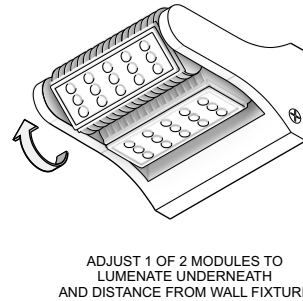
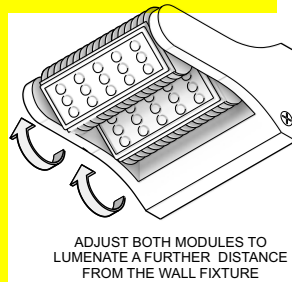
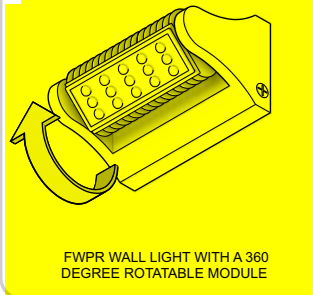
FWPR025  
FWPR040  
FWPR060



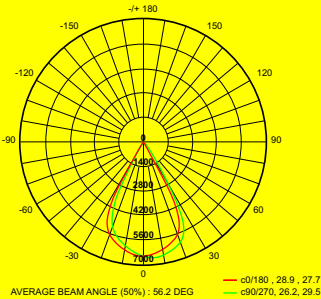
FWPR080  
FWPR120



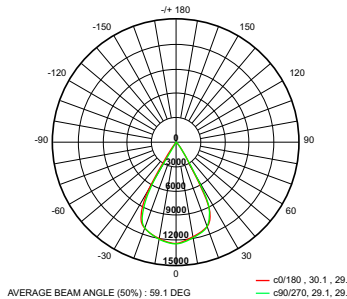
**ADJUSTABLE ANGLE FEATURE (All FWPR Series Luminaires)**



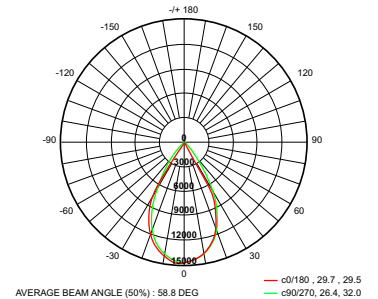
**FWPR040 Polar Candela Distribution**



**FWPR080 Polar Candela Distribution**

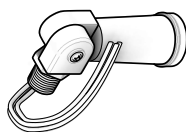


**FWPR120 Polar Candela Distribution**



**SE-PSS100277 - Swivel Photoelectric Control (Optional)**

SE-PSS100277 is a standard adjustable photoelectric Control which to be installed on FWPR series fixtures. Once the photocell is installed, the wall pack will turn on at dusk, and turn off at dawn.



This sensor provides convenience for outdoor installations and offers extra energy savings. The sensor is for 120-277vAC applications.

**AC-WPR-EJB - FWPR Extended Junction Box (Optional)**

This optional box is installed to the back of the FWPR fixture for fast and easy sensor installation.

**Luminous Intensity Distribution**

Model	10 ft High	14 ft High	17 ft High
FWPR025	26.33/40.13	14.81/22.57	9.48/14.45
FWPR040	46.32/67.68	26.05/38.07	16.67/24.36
FWPR060	48.01/78.79	27.01/44.32	17.29/28.36
FWPR080	84.70/128.0	47.64/71.97	30.49/46.06
FWPR120	91.60/151.7	51.53/85.34	32.98/54.62

\*E avg / E max [fc/ftc]