

## Addendum #2

**Project** : City of Southfield DPW Storage Building  
**Project No** : 0153220070  
**Date** : 12/12/2023

This Addendum is issued before award of Contract to inform bidders of revisions or clarifications to the Bidding Documents, herein defined as Bidding Requirements, Contract Forms, Conditions of the Contract, Specifications, and Drawings.

All requirements contained in the Bidding Documents shall apply to this Addendum. The general characteristics of the Work required in this Addendum shall be as originally provided in the applicable portions of the Bidding Documents for similar work unless otherwise specified under this Addendum. Such characteristics shall be included in the Bid proposals, even though not specifically mentioned in this Addendum.

This Addendum is hereby made a part of the Bidding Documents and shall be included in the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the BID FORM. Failure to do so may subject the Bidder to disqualification.

### **GENERAL**

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See attached RFI Log with questions and associated answers.

#### **00 26 00 - Substitution Request During Bidding Phase**

01- Light Fixture - product substitution request Accepted.

### **PROJECT MANUAL**

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### **DRAWINGS**

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Sheet E-601 ELECTRICAL SCHEDULES – Add battery back-up to type WP1 fixtures. Change model number in lighting fixture schedule for WP1 to “WDGE2 LED P2 30K 80CRI T4M MVOLT E20WC”. Add note in lighting fixture schedule for WP1 in NOTES column, “REQUIRES UNSWITCHED HOT”.

**End of Addendum Two**

# Southfield DPW Storage Building Addition

OHM Project No. 0153220070

Request for Information Log

## Request For Information Log – Prebid

Owner:

City of Southfield

Architect/Engineer:



Date Printed: 12/12/2023

RFI.#	Reference	Description:	Action:
1		Requesting clarification on the specifications for the guard posts/pipe bollards. A-201 shows "Bollards, Painted" which contradicts detail 5 of S-101. This detail states there will be a concrete post with a plastic (HDPE) bollard cover in the color OSHA yellow. Please advise.	Use detail 5 of S-101. Bollard to be concrete post with plastic bollard cover.
2		Requesting clarification on the specifications for windows on the building. A-201 shows 6 windows per side, but no schedule is present on the plans. In the specifications a few details are mentioned, however the size is not. Please advise.	Size of Window 2'-0" high x 4'-0" Wide. Window Spec per 133419, 2.8 WINDOWS.
3		Provide a door hardware schedule for the project.	Door Hardware is specified in spec 133419, 2.7.A.4 All doors have same hardware as noted in this section
4		Provide a specification for the Hollow Metal Doors, Frames and Hardware	Doors, frames and hardware are specified in spec 133419, 2.7.
5		Provide Drawing C-007.	Please clarify the question, this was included with the drawing set.
6		Confirm that we are only required to paint the hollow metal doors and frames and the overhead doors are factory finished and the interior the building is not being painted.	Interior of building is painted as noted on drawing 3/A-201, "PRE-ENGINEERED METAL BUILDING FRAME. PAINT MAIN FRAMES AND PURLINS".
7		The site electrical drawing indicates that we are installing (3) 2" conduits from the new building to the existing building, are we to patch the new trench in the existing drive with concrete or asphalt and what is the thickness required. I.E., would it be 4" of asphalt or 4" of concrete. Please clarify	Patching to be done with asphalt and assume a 4" total thickness.

# Southfield DPW Storage Building Addition

OHM Project No. 0153220070

Request for Information Log

<b>8</b>	M-001	Is the ductwork diagram along with the "Ducts" and " Piping" just a "Typical" reference and Not applicable to this project? Is there ductwork attached to the exhaust fans and or louvers?	There is no ductwork attached to the louver but there is ductwork attached to the fan. Refer to Elevation 3/M-101 for additional information.
<b>9</b>		The specs state a 1" thermal block on the roof and the wall between the panels and girt/purlins. Does this building require insulation on the roof and walls? Please advise	No insulation is required on roof and walls.
<b>10</b>		Are bollards getting painted or covered. Architectural drawings call out for painting and structural drawings call out for covers.	Bollards should have plastic cover per structural drawing detail.



# SUBSTITUTION REQUEST

(During the Bidding/Negotiating Stage)

Project: City of Southfield Substitution Request Number: \_\_\_\_\_  
DPW Storage Building  
 From: Mark Gadzinski / Clarus Lighting & Controls  
 To: OHM - Advisors Date: 12-12-23  
Christopher Ozog - Project Manager A/E Project Number: 0153-22-0070  
 Re: Inclusion as equal/approved manufacturer Contract For: \_\_\_\_\_

Specification Title: Lighting Fixture Schedule Description: Lighting Fixture Type WP1  
 Section: Dwg. No. E-601 Page: \_\_\_\_\_ Article/Paragraph: \_\_\_\_\_

Proposed Substitution: Refer to included specification sheet for Type WP1  
 Manufacturer: Rayon Lighting Group, Inc. Address: 1517 N. Alameda St., Compton, CA 90222 Phone: 323-446-2626  
 Trade Name: \_\_\_\_\_ Model No.: \_\_\_\_\_

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Mark Gadzinski  
 Signed by: Mark Gadzinski  
 Firm: Clarus Lighting & Controls  
 Address: 30775 Barrington St.  
Madison Heights, MI 48071  
 Telephone: \*Mobile: 586-383-1613 Company Main: 248-677-0850

### A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by:  Digitally signed by Christopher Ozog  
 DN: C=US,  
 E=Christopher.Ozog@ohm-advisors.com,  
 O=OHM Advisors, CN=Christopher Ozog  
 Reason: I am approving this document  
 Date: 2023.12.12 21:13:34-05'00'

Date: 12/12/2023

Supporting Data Attached:  Drawings  Product Data  Samples  Tests  Reports  \_\_\_\_\_

**Attach to E-Mail** **Print a Copy** **Save a Copy** **Attach a file** **Reset Form**



# T630LED

SMALL LED TRAPEZOIDAL CUT-OFF WALL PACK

## JOB INFORMATION

Type: **TYPE WP1**  
 Catalog No: \_\_\_\_\_  
 Project Name: **SOUTHFIELD DPW**  
 Comments: **STORAGE BLDG**  
 Prepared by: \_\_\_\_\_

T630LED

## 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. Available in either Type 3 or Type 5 optical distribution.

### LED

High output LEDs offer a minimum estimated operating life of 50,000 hours in 3000K, 3500K, 4000K, or 5000K with CRI>83. LEDs placed on

high performance aluminum heatsink for reduced junction temperatures and extended life.

### EPA

Effective Projected Area (Sq. Ft.): .721 ft<sup>2</sup> (1 fixture),

### DRIVER

Durable and long lasting LED driver operates at 120-277V and boasts a 90% power factor at 50 to 60 Hz with 0-10V Dimming Constant Current. Driver protections includes: Output open load, over-current and short-circuit, and over-temperature with auto recovery. -30°C Min Temp. to 40°C Max Temp. Step down transformer may be utilized for 480V or 347V applications.

### MOUNTING

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

### LISTINGS/COMPLIANCE

- CSA - Listed for wet location.
- Dark Sky Compliant
- CEC compliant emergency driver.



## ORDERING INFO

SERIES	WATT/LUMENS	VOLTAGE	COLOR TEMPERATURE	DISTRIBUTION TYPES	FINISH	GENERATION	OPTIONS
T630LED	10W - 10W/1083lm	UNV - 120V-277V	30K - 3000K	T1 - Type I	BZ <sup>3</sup> - Bronze	G2 - 2nd Generation	PC - Photocell 120-277V
	20W - 20W/2167lm	347 <sup>1</sup> - 347V	35K - 3500K	T2 - Type II	MT0 <sup>4</sup> - Made to order		MS - Motion Sensor (Bi-Level, Integral)
	30W - 30W/3251lm	480 <sup>1</sup> - 480V	40K - 4000K	T3 - Type III	MGTO <sup>4</sup> - Marine grade made to order		WG - Wire Guard
	40W - 40W/4335lm		50K - 5000K	T4 - Type IV			EM - Emergency battery (Integral)
	58W - 58W/6205lm			T5 <sup>2</sup> - Type V			CEM - Cold Emergency battery (Integral)
							SP10 - Surge protection 10KV

### Notes

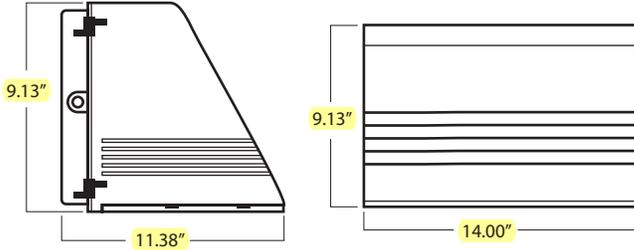
1. Step down transformer.
2. Standard distribution type
3. Standard finish.
4. RAL number required.



# T630LED

SMALL LED TRAPEZOIDAL CUT-OFF WALL PACK

## DIMENSIONS



Weight: 8 lbs

## BUG RATING

		Type 2	Type 3	Type 4	Type 5	
T630LED-10	9.66	1063	1066	1069	1083	Lumen
		110	110	111	112	Efficacy
		B0-U0-G1	B0-U0-G0	B0-U0-G1	B1-U0-G0	Efficacy
T630LED-20	19.31	2127	2132	2139	2167	Lumen
		110	110	111	112	Efficacy
		B1-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G0	Efficacy
T630LED-30	28.97	3191	3198	3208	3251	Lumen
		110	110	111	112	Efficacy
		B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G0	Efficacy
T630LED-40	40.15	4254	4263	4278	4335	Lumen
		106	106	107	108	Efficacy
		B1-U0-G2	B1-U0-G1	B1-U0-G1	B2-U0-G1	Efficacy
T630LED-58	58.12	6089	6103	6125	6205	Lumen
		105	105	105	107	Efficacy
		B2-U0-G2	B1-U0-G2	B1-U0-G2	B3-U0-G1	Efficacy

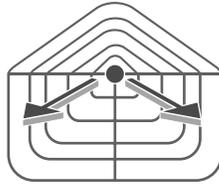
## DISTRIBUTION TYPE



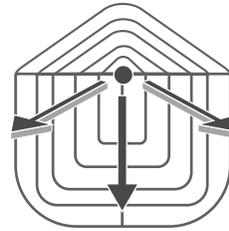
**TYPE I**  
Type 1 distribution provides lateral distribution in two opposite directions. This distribution type is generally utilized where the luminaire is in the center and light is required for narrow pathways.



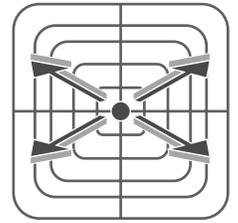
**TYPE II**  
Type II distribution is well suited for expanded walkways, entrance roadway lighting and other applications. Having a lateral width of 18-29° means this type is meant for lighting larger areas.



**TYPE III**  
Type III distribution is well suited for roadway lighting, general parking areas and other areas where a larger area of light is required because it gives more coverage further from the point source outward. Type III distribution provides a wide, round pattern and yields an even light disbursement since the light projects outwards.



**TYPE IV**  
Type IV distribution is best intended for sides of buildings and walls because of its semicircular light pattern. Type IV has a preferred lateral width of 60° make it ideal for parking area and court yard.



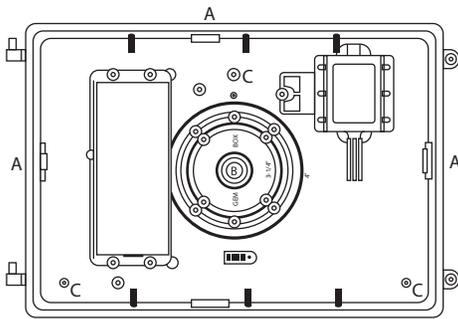
**TYPE V**  
Type V distribution is intended for mounting at or near center of roadways, center islands of parkways or an intersection. Type V provides central circular or square design pattern, equally across all angles from a central point. It provides the most even pattern of light since light is pushed in all direction from the center.

# T630LED

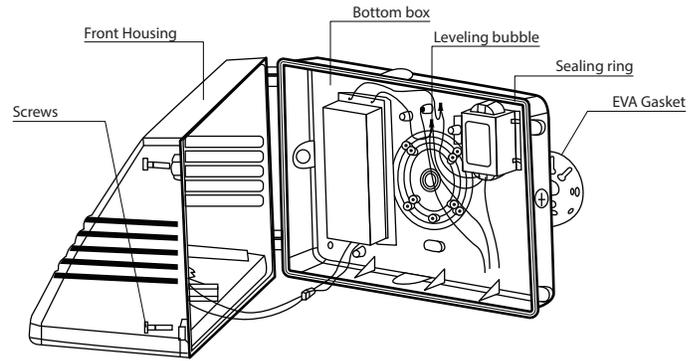
## SMALL LED TRAPEZOIDAL CUT-OFF WALL PACK

### WARNING

- To prevent personal injury or product damage only licensed electricians should install.
- To avoid electric shock or component damage disconnect power before attempting installation or servicing.
- This product must be installed in accordance with the national electric code (NEC) and all applicable federal, state and local electric codes and safety standards.
- Disconnect product and allow cooling prior to servicing.
- Any alteration or modification of this product is expressly forbidden as it may cause serious personal injury, death, property damage and/or product malfunction.
- To prevent product malfunction and/or electrical shock this product must be properly grounded.
- This luminaire is designed to operate in ambient temperatures ranging from -30°C to 40°C and to be horizontally mounted with the LEDs facing down.
- Wall mount only



- A- 1/2" NPS tapped holes (Surface conduit or photo control)
- B- 1/2" dia. Screw hole
- C- 5/16" dia. Screw hole

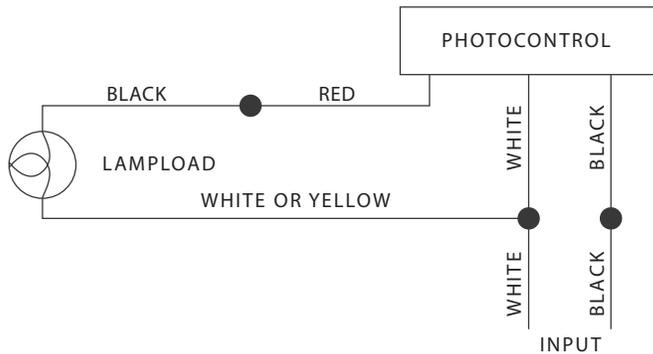


### 1. Junction box Mounting

1. Loosen screws and remove the front lens set carefully from the back plate.
2. Drill appropriate knockouts (B) for wiring, the fixture support standard 3 1/4" and 4" Junction Box.
3. Attach the back plate on the wall, use the supplied gaskets for a weather tight seal.
4. Finish wiring (Black for line, White for Neutral and Yellow Green for Ground)
5. Replace the lens set on the hinges, make connections and close the lens set then tighten the screws.

### 2. Conduit Mounting

1. Loosen screws and remove the front lens set carefully from the back plate.
2. Remove 1/2" plug from where you intend to feed conduit.
3. Drilling out the holes (C) to secure it on the wall with choosing proper screws.
4. Finish wiring (Black for Line, White for Neutral and Yellow Green for Ground).
5. Replace the lens set on the hinges, make connections and close the lens set then tighten the screws.



### PHOTOCELL INSTALLATION

Universal voltage driver permits operation at 120V to 277VAC, 60 Hz except fixtures factory ordered with a 120V photocell (P1) or 277V photocell (P2) or 347V photocell (P3)

1. Install photocell and wire as per diagram.
2. Use photocell rated for your supply voltage.

### TROUBLESHOOTING

1. Check that the line voltage at the fixture is correct. Refer to wiring directions.
2. Is the fixture grounded properly?
3. Be sure the photocell, if used, is functioning properly.

### WIRING DIAGRAM

For 0-10V dimming version, please check wiring diagram below.

