

Region: 2

Location: NY067

CSS #: 25200

Maximo Work Order No.: 8689

Asset #: 190917-448, 190917-460, 190917-462

Date Issued: 5/22/20

Original Description:

FIS Service Call ,Note talk with CW3 Bowling let replace old ones with Equivalent LED to match old 400watt MH we like to see the info on new LED this was sent in already

CSS# 25200 for NY067 -- UTICA - EMERGENCY- Multiple exterior security lights are not working. The lights are the ones on the building facing the parking lots and surrounding streets. With the Solar lights not operating, this leaves the property dark and unsecure at night.

Repairs Needed:

Labor and materials to replace 60 exterior metal halide wall pack flood lights with LED. Note that the total of 60 lights addresses the wall packs on all buildings. The mention of 38 in the service request would only address the main building.

RS Means Line Buildup and Labor Summary (Data Version 2017, Q4):

Quantity	Line Item Number	Description	Labor Hours	Labor Rate/Hr	Materials	Equipment	Total
	NA	Materials (See attached detail)	--	--	\$30,716.40	--	\$30,716.40
--	NA	Tidewater Labor (Diagnostic and Repair)	64	\$80.00	--	--	\$5,120.00

Estimate Summary:

Labor Hours	Labor Cost	Material Cost	Equipment	Total Cost	CE Factor	Total Estimate
64	\$5,120.00	\$30,716.40	\$0.00	\$35,836.40	103%	\$36,911.49



WORK ESTIMATE

CSS #:

Work Order #:

Emergency

Urgent

Routine

Company Name:	Tidewater, Inc.		Facility ID:	NY067
Contractor POC:	Adam Cology			
Telephone No:	740-819-6207		Building/Location; (e.g., Classroom/Room #)	Exterior
E-Mail Address:	adam.cology@tideh2o.net			
Assigned Technician(s):	Patrick Brown			

DESCRIPTION of WORK and EXPLANATION for REPAIRS or REPLACEMENT

Labor and materials to replace 60 exterior metal halide wall pack flood lights with LED.

LABOR/MATERIAL		MATERIAL/S UB UNIT DOLLAR AMOUNT	LBR/HR \$80	LINE ITEM TOTAL DOLLAR AMOUNT
ITEM	QUANTITY			
Labor			60	\$4,800.00
LED Wall Pack, Hubbell Lighting WGH-133L-5K-U-M	60	\$509.44		\$30,566.40
Misc Electrical Supplies	1	\$150.00		\$150.00
Diagnostic Labor			4	\$320.00
SUB-TOTAL COSTS:		Materials Total	\$30,716.40	Labor \$5,120.00
TOTAL			\$35,836.40	

HUBBELL LIGHTING - OUTDOOR

LED Wall Pack, Type IV Light Distribution Shape, 5000K Color Temperature, 9100 lm

Item # 656N74 Mfr. Model # WGH-133L-5K-U-M Catalog Page # 453 UNSPSC # 0

Web Price i

\$398.00 / each

1

Add to Cart

+ Add to List

Confirm ZIP Code to determine availability.

43065

Save

Shipping Weight 12.1 lbs.

Country of Origin China | *Country of Origin is subject to change.**Note: Product availability is real-time updated and adjusted continuously. The product will be reserved for you when you complete your order. More*

WGH LED SERIES

GLASS WALLPACK

FEATURES

- Perimeter lighting for safety and security. Use on factories, warehouses, self-storage, commercial buildings, etc
- LED units replace up to 400W HID
- Borosilicate glass refractor softens lamp image and provides uniform distribution - four times spacing to mount height
- Cast aluminum frame holds lens, hinges to side on housing and seals with two stainless steel screws
- Cast aluminum housing with 1/2" conduit entries, button photocontrol can be field installed
- DLC (DesignLights Consortium Qualified) - see www.designlights.org



RELATED PRODUCTS

- [Perimaliter® PGM3/PGL](#)
- [NRG® 300L Series](#)
- [LNC2 Litepak](#)

SPECIFICATIONS

HOUSING

- Borosilicate glass refractor softens lamp image and provides uniform distribution
- Cast aluminum frame holds lens and seals to housing gasket with two stainless steel screws.
- Door assembly hinges to side on mid-size units; hinges down on small and large units
- Cast aluminum housing with three 1/2" conduit entries (on top and sides), for button photocontrol or surface conduit
- All units have dark bronze matte textured powder paint finish
- Operating temperature: -30°C to +40°C

OPTICS

- Mid power LEDs offer lower glare, better uniformity, higher efficacies (up to 120 lumens per watt (LPW)) and lower thermals for longer lasting electronic components

LED DRIVER

- Driver RoHS and IP66
- Single, 120V–277V or 347V/480V (225L only), 50/60Hz driver
- 10kA surge protection (parallel); Automatically takes fixture off-line when device is consumed

CERTIFICATIONS

- Some models meet DesignLights Consortium (DLC) standard & premium qualifications, consult DLC website for more details: <http://www.designlights.org/QPL>
- Listed to UL1598 for use in wet locations

WARRANTY

- See [HLI Standard Warranty](#) for additional information

ORDERING GUIDE

Housing Size	Catalog Number	Wattage	Number of LEDs	Voltage	Dist. Type	Delivered Lumens	LPW	CCT	Weight lbs. (kg)
Small	WGH-30-4K-U-S	28W	108	120-277V	4	3259	119	4000K	6.75 (3)
Small	WGH-30-5K-U-S	28W	108	120-277V	4	3326	121	5000K	6.75 (3)
Small	WGH-40-4K-U-S	40W	108	120-277V	4	4394	110	4000K	6.75 (3)
Small	WGH-40-5K-U-S	40W	108	120-277V	4	4484	113	5000K	6.75 (3)
Medium	WGH-110L-4K-U-M	54W	110	120-277V	4	6170	113	4000K	11 (5.0)
Medium	WGH-110L-5K-U-M	54W	110	120-277V	4	6372	118	5000K	11 (5.0)
Medium	WGH-133L-4K-U-M	76W	133	120-277V	4	8989	118	4000K	11 (5.0)
Medium	WGH-133L-5K-U-M	76W	133	120-277V	4	9173	120	5000K	11 (5.0)
Large	WGH-225L-4K-U-L	102W	225	120-277V	4	11,838	116	4000K	19 (8.6)
Large	WGH-225L-5K-U-L	102W	225	120-277V	4	12,134	119	5000K	19 (8.6)
Large	WGH-225L-4K-C-L	110W	225	347/480V	4	12,818	117	4000K	19 (8.6)

KEY DATA	
Lumen Range	3,259–12,818
Wattage Range	28–110
Efficacy Range (LPW)	110–121
Fixture Projected Life (Hours)	L70>50K
Weight lbs. (kg)	6.75–19 (3–8.5)

WGH LED

GLASS WALLPACK

ORDERING GUIDE

Accessories

PBT-1	Photocontrol, 120V
PBT-234	Photocontrol, 208, 240, 277V
SM708-GUARD	Wire Guard for L size
WGH-LED-RL-M	LED replacement lens assembly for M size
WGH-LED-RL-L	LED replacement lens assembly for L size

PERFORMANCE DATA

Description	SYSTEM WATTS	Distribution Type	5K (5000K NOMINAL 80 CRI)					4K (4000K NOMINAL 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
WGH-30	28W	4	3326	121	1	3	3	3339	116	1	3	3
WGH-40	40W	4	4484	113	1	3	3	3339	116	1	3	3
WGH-110L	54W	4	6372	118	1	4	4	6170	113	1	4	4
WGH-133L	76W	4	8989	118	1	5	5	9173	120	1	5	5
WGH-225L	102W	4	12,123	119	2	5	5	11,838	116	2	5	5
WGH-225L*	110W	4						12,818	117	2	5	5

*347 and 480 VAC input Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment application and inherent performance balances of the electrical components.

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	50,000	TM-21-11 ¹ L96 60,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.96	0.93	0.92	0.88	>280,000
40°C / 104°F	0.99	0.95	0.91	0.90	0.84	>206,000

1. Projected per IESNA TM-21-11 * (Nichia NFSL757DT-VT, 150mA, 85°C Ts, 10,000hrs) Data references the extrapolated performance projections for the base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08

WGH LED

GLASS WALLPACK

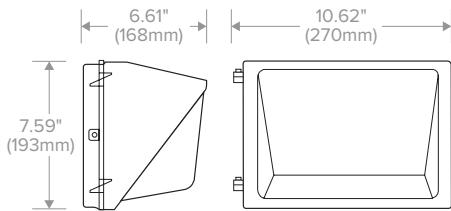
LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature	Lumen Multiplier	
0°C	32°F	1.02
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98
50°C	122°F	0.97

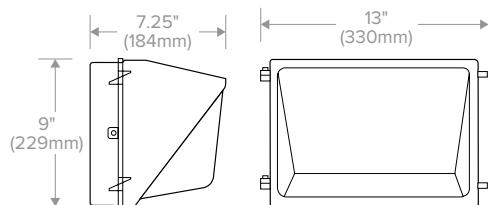
Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

DIMENSIONS

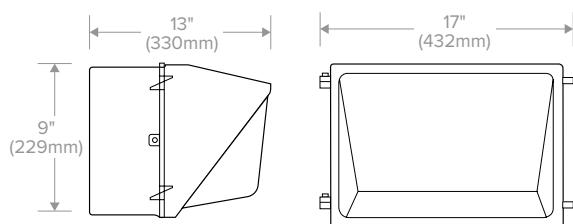
SMALL



MEDIUM



LARGE



WGH LED

GLASS WALLPACK

PHOTOMETRY

WGH-30-4K-U-S

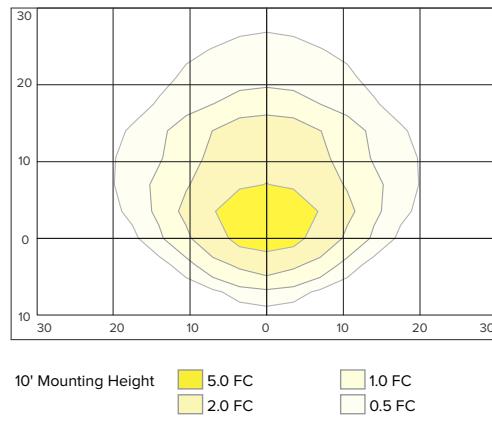
LUMINAIRE DATA

Description	4000 Kelvin, 70 CRI
Distribution Type	IV
Delivered Lumens	3326
Watts	27.4
Efficacy	121.4
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	2559	76.9%
Downward House Side	448	13.5%
Downward Total	3007	90.4%
Upward Street Side	313	9.4%
Upward House Side	6	0.2%
Upward Total	319	9.6%
Total Flux	3326	100.0%

ISOMETRIC FOOTCANDLE



WGH-40-4K-U-S

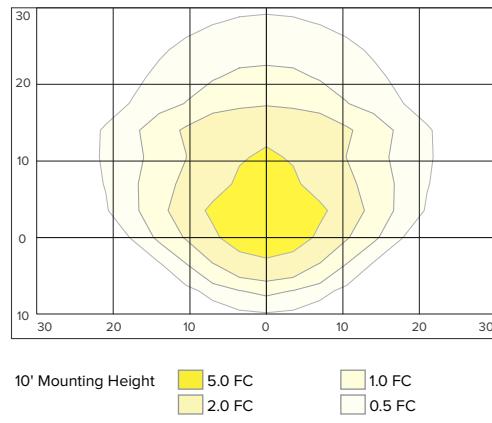
LUMINAIRE DATA

Description	4000 Kelvin 70 CRI
Distribution Type	IV
Delivered Lumens	4484
Watts	39
Efficacy	112.9
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3425	76.4%
Downward House Side	604	13.5%
Downward Total	4029	90.0%
Upward Street Side	444	9.9%
Upward House Side	11	2.0%
Upward Total	455	10.1%
Upward House Side	4484	100.0%

ISOMETRIC FOOTCANDLE



WGH-110-4K-U-M

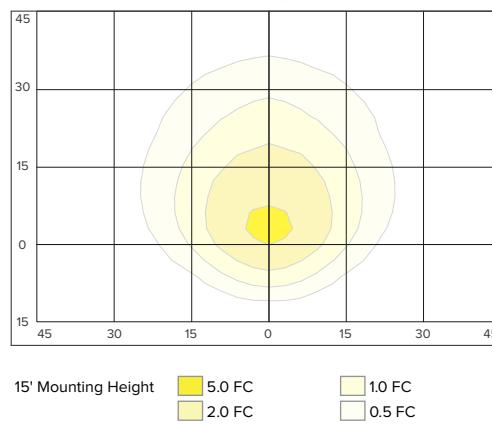
LUMINAIRE DATA

Description	4000 Kelvin 70 CRI
Distribution Type	IV
Delivered Lumens	6271
Watts	52.7
Efficacy	119
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	4140.8	66.0%
Downward House Side	728.4	11.6%
Downward Total	4869.2	77.6%
Upward Street Side	1349	21.5%
Upward House Side	53.1	0.8%
Upward Total	1402	22.4%
Total Flux	6271	100.0%

ISOMETRIC FOOTCANDLE



WGH LED

GLASS WALLPACK

PHOTOMETRY

WGH-133-4K-U-M

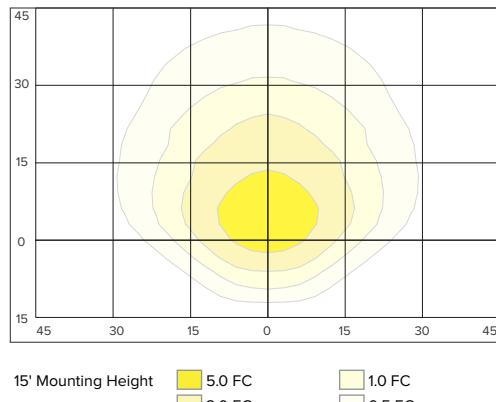
LUMINAIRE DATA

Description	4000 Kelvin 70 CRI
Distribution Type	IV
Delivered Lumens	8795
Watts	74.3
Efficacy	117.7
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	6161	70.0%
Downward House Side	971	11.0%
Downward Total	7131	81.1%
Upward Street Side	1616	18.4%
Upward House Side	48	0.5%
Upward Total	1663	18.9%
Total Flux	8795	100.0%

ISOMETRIC FOOTCANDLE



WGH-225L-4K-U-L

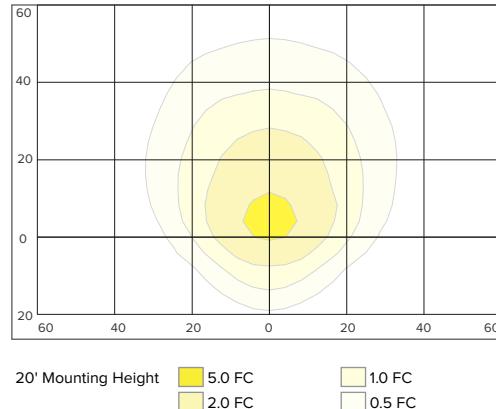
LUMINAIRE DATA

Description	4000 Kelvin 70 CRI
Distribution Type	IV
Delivered Lumens	11507
Watts	92
Efficacy	125
Mounting	Wall

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	7519.1	65.3%
Downward House Side	1444.5	12.6%
Downward Total	8963.6	77.9%
Upward Street Side	2457.7	21.4%
Upward House Side	85.6	0.7%
Upward Total	2543	22.1%
Total Flux	11506.9	100%

ISOMETRIC FOOTCANDLE



SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	CARTON DIMENSIONS		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
WGH-30/40	6.75 (3.0)	11.6 (29.5)	9.6 (24.5)	8.8 (22.5)
WGH-110L/133L	11.0 (4.8)	15.0 (38)	9.1 (19)	11.8 (24)
WGH-225L	19.0 (8.6)	21.2 (54)	12.0 (28)	14.7 (24)



WP4CH400PSQ Metal Halide Wallpack

Watts: 400 W 60 Hz
Ballast Type: CWA-HPF
Input Volts: 120/208/240/277
Operating Amps: 4.0/2.3/2.0/1.8
Starting Amps: 3.5/2.0/1.8/1.5

**CAUTION - RISK OF FIRE. RELAMP WITH
400W TYPE M135/E MOGUL BASE MH LAMP**

MIN 150 DEG C SUPPLY CONNECTORS
UL LISTED SUITABLE FOR WET LOCATIONS
REPLACE REMOVABLE PARTS AFTER SERVICING
NOT FOR USE IN DWELLINGS - WALL MOUNT ONLY
THIS LUMINAIRE MUST BE MOUNTED OR SUPPORTED
INDEPENDENTLY OF AN OUTLET BOX

2-1000

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