

WGH LED SERIES

GLASS WALLPACKS

Cat.#	
Job	Type



Approvals

Intended Use:

- Perimeter lighting for safety and security. Use on factories, warehouses, self storage, commercial buildings, etc.

Construction:

- 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 powder paint finish

Operating Temperature:

- 30°C to +40°C

LED:

Mid Power - Small Housing

81 LEDs, 2,893 lumens, 4000K, 80 CRI
81 LEDs, 3,302 lumens, 5000K, 80 CRI

Mid Power - Medium Housing

110 LEDs, 6,170 lumens, 4000K, 80 CRI
110 LEDs, 6,372 lumens, 5000K, 80 CRI

Mid Power - Large Housing

225 LEDs, 11,838 lumens, 4000K, 80 CRI
225 LEDs, 12,134 lumens, 5000K, 80 CRI

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

Electrical:

- Driver RoHS and IP66
- Single, 120V-277V or 347V/480V (225L only), 50/60Hz driver

Listings:

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

Warranty:

For more information visit:
<http://www.hubbelloutdoor.com/resources/warranty/>

PRODUCT IMAGE(S)



WGH-81L



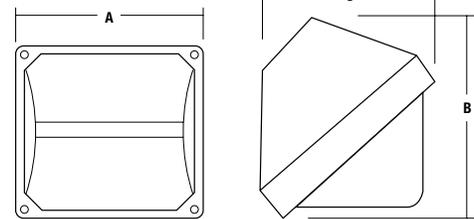
WGH-110L



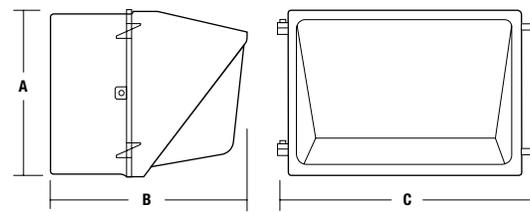
WGH-225L

DIMENSIONS

SMALL SIZE



MEDIUM AND LARGE SIZE



	A	B	C
WGH LED	8 1/2"	8 1/2"	8 1/2"
S SIZE	216 mm	216 mm	216 mm
WGH LED	9"	7 1/4"	13"
M SIZE	229 mm	184 mm	330 mm
WGH LED	9"	13.0"	17"
L SIZE	229 mm	330 mm	432 mm

CERTIFICATIONS/LISTINGS



SHIPPING INFORMATION

Catalog Number	G.W(kg)/CTN	Carton Dimensions			Carton Qty. per Master Pack
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)	
WGH-81L	9.0 (4.1)	10.6 (27)	10.9 (28)	21.4 (54)	4
WGH-110L	11 (4.9)	13.5 (34)	7.5 (19)	9.5 (24)	2
WGH-225L	19 (8.6)	18 (45)	11 (28)	9.5 (24)	2

ORDERING INFORMATION

Catalog Number	Wattage	Number of LEDs	Voltage	Dist. Type	Lumens	LPW	CCT	Weight lbs. (kg)	Number of Drivers	LED Current	
WGH-81L-4K-U-S*	32w	81	120-277V	4	2893	90	4000K	9 (4.1)	1	115mA	
WGH-81L-5K-U-S*					3302	105	5000K				
WGH-110L-4K-U-M*	54w	110			6170	113	4000K	11 (5.0)		140mA	
WGH-110L-5K-U-M*					6372	118	5000K				
WGH-225L-4K-U-L*	102w	225			347/480V	11838	116	4000K		19 (8.6)	125mA
WGH-225L-5K-U-L*						12134	119	5000K			
WGH-225L-4K-C-L*	110w		12818	117		4000K					

*DLC listed



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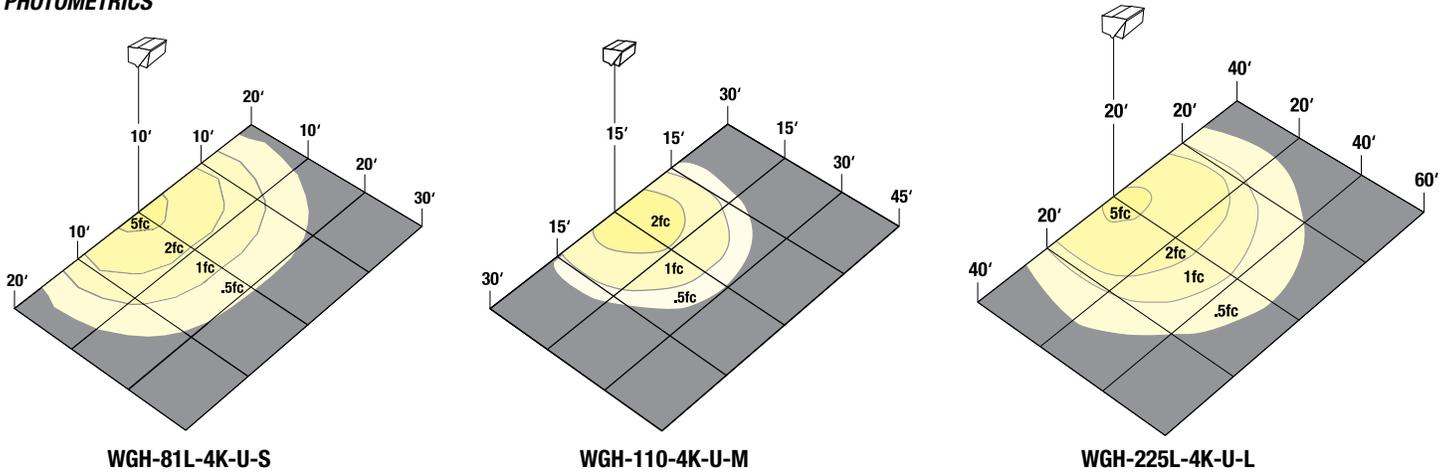
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ACCESSORIES/REPLACEMENT PARTS - Order separately

CATALOG NUMBER	DESCRIPTION
PBT-1	Photocontrol, 120V
PBT-234	Photocontrol, 208, 240, 277V
SM106-SHIELD	Polycarbonate Shield for M size
SM708-GUARD	Wire Guard for L size

PHOTOMETRICS



PERFORMANCE DATA

# OF LEDS	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K NOMINAL 80 CRI)					4K (5000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	LUMENS	LPW	B	U	G
81	115mA	32W	4	3302	105	1	3	3	2893	90	1	3	3
110	140mA	54W	4	6372	118	1	4	4	6170	113	1	4	4
225	125mA	102W	4	12123	119	2	5	5	11838	116	2	5	5
225*	140mA	110W	4	N/A	N/A	N/A	N/A	N/A	12818	117	2	5	5

*347 and 480 VAC input units will have reduced LPW
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 Temp.	OPERATING HOURS						L70 (hours)
	0	25,000	50,000	TM-21-11 ¹ L96 60,000	100,000		
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.

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).

ELECTRICAL DATA

# OF LEDS	# OF DRIVERS	INPUT VOLTAGE (V)	CURRENT (Amps)	SYSTEM POWER (w)
81	1	120	0.27	32
		277	0.12	32
110	1	120	0.45	53
		277	0.19	54
225	1	120	0.85	102
		277	0.39	102
225*	1	347	0.32	110
		480	0.23	110

*347 and 480 VAC Version



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