

WGH LED SERIES

SWITCHABLE - GLASS WALLPACK

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

tradeSELECT®

FEATURES

- Three sizes: Small, Medium and Large
- 20–120 Watts
- Field switchable lumens and LED color temperature (3000K, 4000K & 5000K), 80 CRI
- Up to 162 lumens per watt
- Borosilicate glass refractor softens LED pixilation and provides uniform distribution
- Photocell standard in all sizes, which can easily be disabled.
- PIR Occupancy Sensor accessory available. 180 degree coverage. Programmable settings for time, sensitivity and distance.



IP65



SPECIFICATIONS

CONSTRUCTION

- Die-cast Aluminum Frame holds and seals to housing with 2 stainless steel screws
- All sizes contain photocell, which can be disabled.
- Cast aluminum housing has three 1/2" conduit entries on top and sides
- All units have dark bronze matte textured powder coat finish (matches DBT finish)
- Operating Temp -40C to 40C

OPTICS

- High efficacies, up to 162 LPW
- Impact resistant borosilicate glass lens

INSTALLATION

- Door assembly hinges on side
- Leveling device contained inside the housing for ease of installation

ELECTRICAL

- Voltage 120-347V
- Built in 6kV surge protector
- WGH1 Switchable Wattage includes 20, 30, 40, 50
- WGH2 Switchable Wattage includes 30, 40, 50, 60, 70
- WGH3 Switchable Wattage includes 80, 90, 100, 110, 120

CERTIFICATIONS

- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- Wet listed
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to <http://www.designlights.org> for the most up-to-date list.
- IP65 rated housing

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	3200-17,000
Wattage Range	20–120
Efficacy Range (LPW)	140-162

ORDERING GUIDE

Housing	Catalog Number	Wattage	Voltage	Dist. Type	Delivered Lumens	LPW	CCT	Weight lbs. (kg)
Small	WGH1-50-LSCS-UNVC	20-50W	120-347V	4	3200-7520	143-159	3000K, 4000K, 5000K	8.4 (3.8)
Medium	WGH2-70-LSCS-UNVC	30-70W	120-347V	4	4800-10,700	146-162	3000K, 4000K, 5000K	10.8 (4.9)
Large	WGH3-120-LSCS-UNVC	80-120W	120-347V	4	11,400-17,000	140-154	3000K, 4000K, 5000K	13.9 (6.3)

ACCESSORIES

Catalog Number	Description
MS-DBT	PIR Occupancy Sensor, 180 degree, Threaded Mount

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PERFORMANCE DATA

Description	System Watts	Distribution Type	5K (5000K NOMINAL)					4K (4000K NOMINAL)					3K (3000K NOMINAL)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
WGH1	20	4	3218	159	1	3	2	3457	171	1	3	3	2976	147	1	3	2
	30	4	4768	157	1	3	3	5123	169	1	3	3	4411	146	1	3	3
	40	4	6228	155	2	3	3	6691	166	2	3	3	5760	143	2	3	3
	50	4	7522	150	2	3	4	8081	161	2	3	4	6958	139	2	3	3
WGH2	30	4	5025	162	1	3	4	5399	174	1	3	4	4648	150	1	3	3
	40	4	6417	161	1	3	4	6894	173	1	3	4	5936	149	1	3	4
	50	4	7840	159	1	4	5	8424	171	1	4	5	7252	147	1	4	5
	60	4	9433	156	1	4	5	10135	168	1	4	5	8725	145	1	4	5
	70	4	10700	154	1	4	5	11496	165	1	4	5	9897	142	1	4	5
WGH3	80	4	12015	154	2	4	5	12909	165	2	4	5	11114	142	2	4	5
	90	4	13607	152	2	4	5	14619	163	3	5	5	12587	140	2	4	5
	100	4	15328	149	3	5	5	16468	160	3	5	5	14178	138	3	4	5
	110	4	16436	148	3	5	5	17659	159	3	5	5	15204	137	3	5	5
	120	4	17116	147	3	5	5	18390	158	3	5	5	15833	136	3	5	5

ELECTRICAL DATA

WGH1-Small

Nominal Wattage	Input Voltage	Oper.Current (Amps)	System Power (Watts)
20	120	0.17	20.3
	208	0.10	
	240	0.08	
	277	0.07	
	347	0.06	
30	120	0.25	30.0
	208	0.14	
	240	0.13	
	277	0.11	
	347	0.09	
40	120	0.33	39.2
	208	0.19	
	240	0.16	
	277	0.14	
	347	0.11	
50	120	0.42	49.8
	208	0.24	
	240	0.21	
	277	0.18	
	347	0.14	

WGH2-Medium

Nominal Wattage	Input Voltage	Oper.Current (Amps)	System Power (Watts)
30	120	0.24	29.3
	208	0.14	
	240	0.12	
	277	0.11	
	347	0.08	
40	120	0.34	41.2
	208	0.20	
	240	0.17	
	277	0.15	
	347	0.12	
50	120	0.44	53.1
	208	0.26	
	240	0.22	
	277	0.19	
	347	0.15	
60	120	0.49	59.2
	208	0.28	
	240	0.25	
	277	0.21	
	347	0.17	
70	120	0.56	66.8w
	208	0.32	
	240	0.28	
	277	0.24	
	347	0.19	

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ELECTRICAL DATA (CONTINUED)

WGH3-Large

Nominal Wattage	Input Voltage	Oper.Current (Amps)	System Power (Watts)
80	120	0.66	79.6
	208	0.38	
	240	0.33	
	277	0.29	
	347	0.23	
90	120	0.74	88.2
	208	0.42	
	240	0.37	
	277	0.32	
	347	0.25	
100	120	0.84	100.2
	208	0.48	
	240	0.42	
	277	0.36	
	347	0.29	
110	120	0.91	109.2
	208	0.53	
	240	0.46	
	277	0.39	
	347	0.31	
120	120	0.99	118.9
	208	0.57	
	240	0.50	
	277	0.43	
	347	0.34	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
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).

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	36,000	50,000	TM-21-11 60,000	100,000
40°C / 104°F	1.00	0.95	0.93	0.90	0.88	0.81

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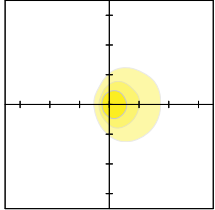
SWITCHABLE - GLASS WALLPACK

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PHOTOMETRY

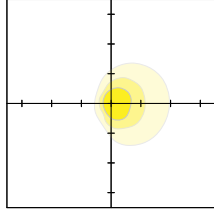
WGH1

WGH1 - 20W



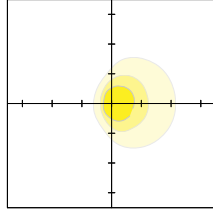
Mounting Height: 10 ft
Scale: 25 ft

WGH1 - 30W



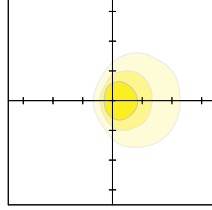
Mounting Height: 10 ft
Scale: 25 ft

WGH1 - 40W



Mounting Height: 10 ft
Scale: 25 ft

WGH1 - 50W



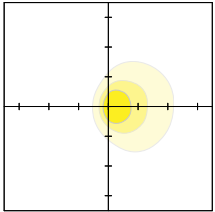
Mounting Height: 10 ft
Scale: 25 ft



Switchable from **20 to 50 watts**

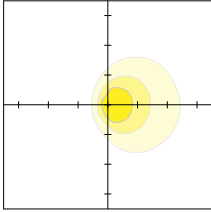
WGH2

WGH2 - 30W



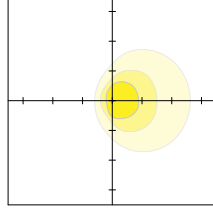
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Scale: 25 ft

WGH2 - 40W



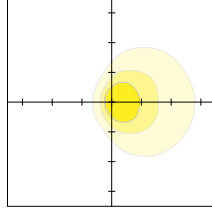
Mounting Height: 10 ft
Scale: 25 ft

WGH2 - 50W



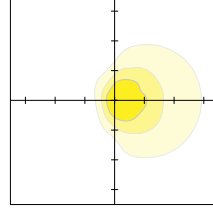
Mounting Height: 10 ft
Scale: 25 ft

WGH2 - 60W



Mounting Height: 10 ft
Scale: 25 ft

WGH2 - 70W



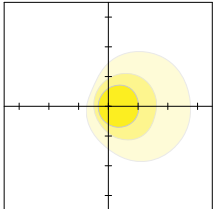
Mounting Height: 10 ft
Scale: 25 ft



Switchable from **30 to 70 watts**

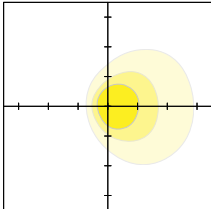
WGH3

WGH3 - 80W



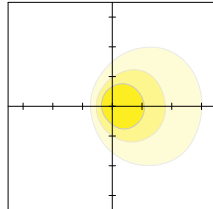
Mounting Height: 10 ft
Scale: 25 ft

WGH3 - 90W



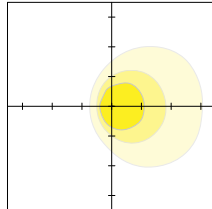
Mounting Height: 10 ft
Scale: 25 ft

WGH3 - 100W



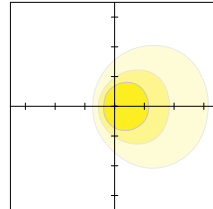
Mounting Height: 10 ft
Scale: 25 ft

WGH3 - 110W



Mounting Height: 10 ft
Scale: 25 ft

WGH3 - 120W



Mounting Height: 10 ft
Scale: 25 ft



Switchable from **80 to 120 watts**

WGH1, WGH2 & WGH3 CCT Switchable **3K, 4K, 5K**



ACCESSORY

MS-DBT



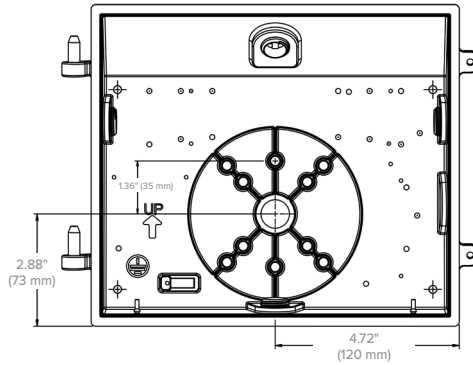
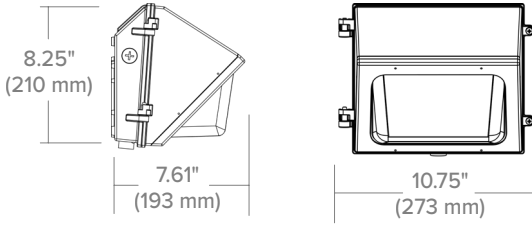
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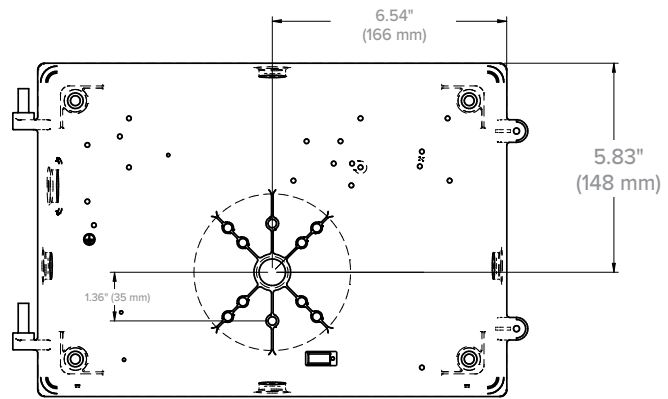
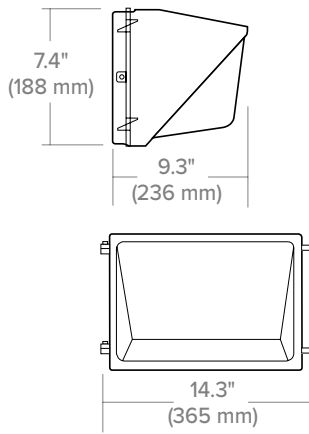
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DIMENSIONS

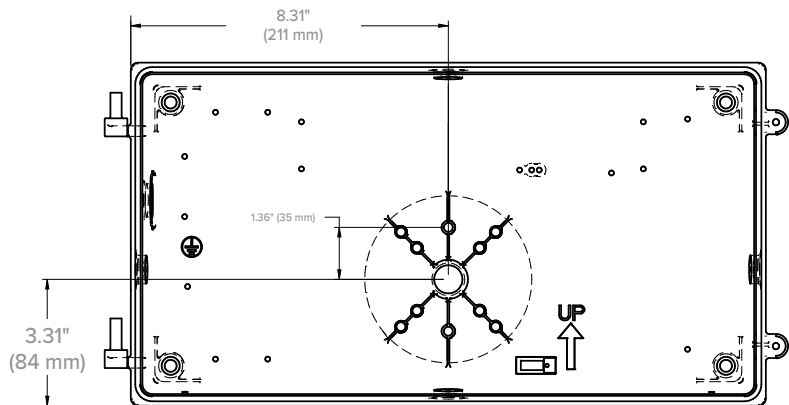
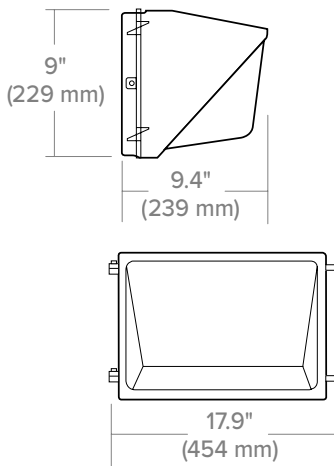
WGH1



WGH2



WGH3



LEVEL SYSTEM



Incorporated level system in fixture

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