HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS
An AcuityBrandsCompany

Catalog Number	W4GLED 20C1000 40K T3M MVOLT SPD P7 GYSDP		
Notes		Type	303450000

Wallpack® LED

LVG - Vandal guard

LWG - Wire guard

FEATURES & SPECIFICATIONS

Description

Perimeter and security lighting requires excellent control and uniformity while minimizing light trespass and glare. The W4GLED/W4PLED Wallpack LED luminaires excel at this, requiring fewer luminaires to achieve required light levels in infrastructure, industrial and municipal applications. With energy cost reductions up to 77% and expected service life of over 20 years, Wallpack LED provides the latest lighting technology from the company that introduced the very first Wallpack to the market.

Optics

The W4G uses a tempered glass lens and the W4P uses a protective polycarbonate lens that covers the light engine's precision-molded proprietary acrylic lenses.

- Type 3 medium
- Type 3 short (IP66 rated light engine)

Mechanical

- The housing is constructed of die-cast aluminum and is fully gasketed for ease of maintenance
- The LED driver is mounted to the front casting to thermally isolate it from the light engine for low operating temperature and long life
- Housing is completely sealed against moisture and environmental contaminants, IP55
- Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering.
- A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

Electrical

- Light engine(s) consist of 10-30 high-efficacy LEDs mounted to a metal-core circuit board and integral aluminum heat sink to maximize heat dissipation and promote long life
- The dimmable electronic driver has a power factor of >90%, THD <20%
- SPD: 20kV/10kA standard
- CCT: 3000K, 4000K, 5000K
- CRI: 70CRI

Installation

- Top 3/4" threaded wiring access
- Back access through removable 3/4" knockout
- Feed-thru wiring can be achieved by using a conduit tee

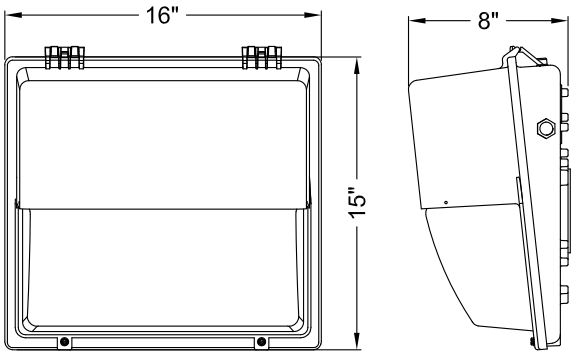
Certification and Standards

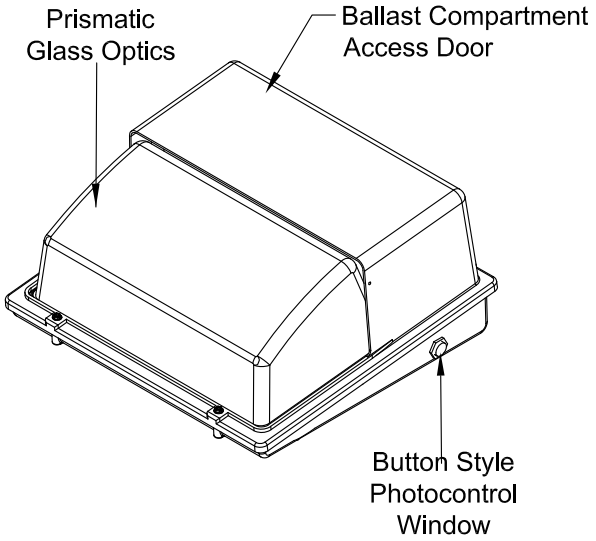
- UL listed for wet locations. Rated for -40°C minimum ambient
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- LM-79 compliant
- The projected LED Lumen Maintenance shall be based only on IES LM-80-08 and TM-21

Warranty

5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_Conditions.aspx

DIMENSIONAL DATA





Wallpack® LED

HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS
An AcuityBrandsCompany

ORDERING INFORMATION

Italicized BLUE options are ONLY available on *W4GLED Series*

Ex. W4GLED 30C1000 40K T3S MVOLT SPD P7 BZSDP

W4GLED | 20C1000 | 40K | T3M | MVOLT | SPD | P7 | | GYSDP

SERIES
W4GLED =
Wallpack IV
Glass LED

W4PLED =
Wallpack IV
Polycarbonate LED

PERFORMANCE PACKAGES
GLASS LED's
10C1000 = 10 LED (1 Engine)
20C1000 = 20 LED (2 Engines)
30C1000 = 30 LED (1 Engine)

POLYCARBONATE LED's
10C700 = 10 LED (1 Engine)
20C700 = 20 LED (2 Engines)
30C700 = 30 LED (1 Engine)

COLOR TEMPERATURE
30K = 3000K
40K = 4000K
50K = 5000K

DISTRIBUTION
T3M = Type III Medium
T3S = Type III Short

VOLTAGE
MVOLT = Mult-Volt (120, 208, 240, 277)
120 = 120 Volt
208 = 208 Volt
240 = 240 Volt
277 = 277 Volt
347 = 347 Volt
480 = 480 Volt

SURGE PROTECTION
SPD = 20kV/10kA (Standard)

CONTROL OPTIONS
PE = Button Style Photoelectric Cell
P3 = N.E.M.A. Twist-lock 3-pin Receptacle - Control not included
P7 = N.E.M.A. Twist-lock 7-pin Receptacle - Control not included

OPTIONS - *SHIPPED INSTALLED*
AO = Field Adjustable Output
SF = Single Fusing
DF = Double Fusing
TP = Tamper Resistant Screws
NOM = NOM Certified
ELSW = Emergency Battery Backup (Standard 0°C)
ELCW = Emergency Battery Backup (Cold Weather -20°C)
LWG = Wire Guard - *ships separately*
LVG = Vandal Guard - ships separately

FINISH
BKSDP = Black
GYSDP = Gray
WHSDP = White
BZSDP = Bronze

ACCESSORIES - *Shipped separately*
DLL127F 1.5 JU = Photocell - SSL Twist-lock (120-277V)
DLL347 1.5 CUL JU = Photocell - SSL Twist-lock (347V)
DLL480 1.5 CUL JU = Photocell - SSL Twist-lock (480V)
SC U = Shorting Cap
W4GVGU = Vandal Guard
W4GWGU = Wire Guard[2]

OPTIONS MATRIX

Parameters		SELECTED OPTION											
		AO	PE	P3	P7	SF	DF	TP	NOM	ELSW	ELCW	LWG	LVG
LED Package	10Cxxxx	N	Y	W4G	W4G	Y	Y	Y	T3M	W4G	W4G	Y	W4G
	20Cxxxx	Y	Y	W4G	W4G	Y	Y	Y	T3M	W4G	W4G	Y	W4G
	30Cxxxx	Y	Y	W4G	W4G	Y	Y	Y	T3M	N	N	Y	W4G
Voltage	AS	Y	Y	W4G	W4G	Y	Y	Y	T3M	W4G	W4G	Y	W4G
	120	Y	Y	W4G	W4G	Y	Y	Y	T3M	W4G	W4G	Y	W4G
	208	Y	Y	W4G	W4G	Y	Y	Y	T3M	W4G	W4G	Y	W4G
	240	Y	Y	W4G	W4G	Y	Y	Y	T3M	W4G	W4G	Y	W4G
	277	Y	Y	W4G	W4G	Y	Y	Y	T3M	W4G	W4G	Y	W4G
	347	Y	Y	W4G	W4G	Y	Y	Y	T3M	N	N	Y	W4G
	480	Y	N	W4G	W4G	Y	Y	Y	T3M	N	N	Y	W4G
Optic	T3M	Y	Y	W4G	W4G	Y	Y	Y	T3M	W4G	W4G	Y	W4G
	T3S	W4G	Y	W4G	W4G	Y	Y	Y	N	N	N	Y	W4G
Controls	AO		Y	W4G	W4G	Y	Y	Y	T3M	W4G	W4G	Y	W4G
	PE	Y		N	N	Y	Y	Y	T3M	N	N	Y	W4G
	P3	W4G	N		N	W4G	W4G	W4G	W4GM	N	N	W4G	W4G
	P7	W4G	N	N		W4G	W4G	W4G	W4GM	N	N	W4G	W4G
Options	SF	Y	Y	W4G	W4G		N	Y	T3M	W4G	W4G	Y	W4G
	DF	Y	Y	W4G	W4G	N		Y	T3M	W4G	W4G	Y	W4G
	TP	Y	Y	W4G	W4G	Y	Y		T3M	W4G	W4G	Y	W4G
	NOM	Y	W4G	W4G	W4G	Y	Y	Y		W4G	W4G	Y	W4G
	ELSW	Y	N	N	N	W4G	W4G	W4G	T3M			W4G	W4G
	ELCW	Y	N	N	N	W4G	W4G	W4G	T3M			W4G	W4G
	LWG	Y	Y	Y	Y	Y	Y	Y	T3M	W4G	W4G		N
	LVG	W4G	W4G	W4G	W4G	W4G	W4G	W4G	W4GM	W4G	W4G	N	

LEGEND:

N = Not available with either W4GLED or W4PLED
Y = Valid combination with either W4GLED or W4PLED

T3M = Only available on W4GLED & W4PLED with T3M distribution
W4G = Only available on W4GLED
W4GM = Only available on W4GLED with T3M distribution

Wallpack® LED

HOLOPHANE®
LEADER IN LIGHTING SOLUTIONS
An AcuityBrandsCompany

OPERATIONAL DATA

Operating Characteristics

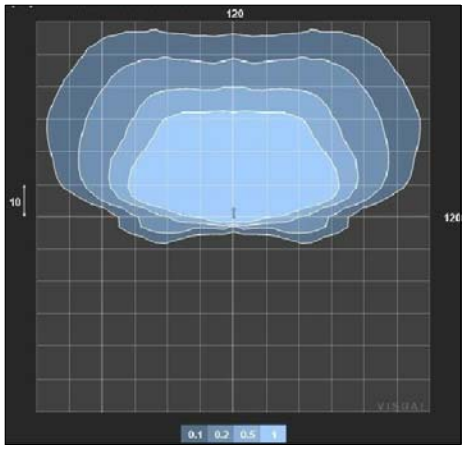
Series	LED Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
W4G	10C1000	39	T3M	3140	81	0	3	3	3377	87	0	3	3	3398	87	0	3	3
	20C1000	72		6495	90	1	3	4	6983	97	1	3	4	7027	98	1	3	4
	30C1000	104		7789	75	1	3	4	8375	81	1	3	5	8427	81	1	3	5
W4P	10C700	26		2030	78	0	3	2	2183	84	0	3	2	2197	85	0	3	2
	20C700	45		3912	87	0	3	3	4207	93	1	3	3	4233	94	1	3	3
	30C700	67		4813	72	1	3	3	5176	77	1	3	4	5208	78	1	3	4
W4G	10C1000	28	T3S	3206	115	0	3	2	3485	124	0	3	2	3485	124	0	3	2
	20C1000	57		6507	114	1	3	2	7073	124	1	3	3	7073	124	1	3	3
	30C1000	77		8477	110	1	3	3	9214	120	1	3	3	9214	120	1	3	3
W4P	10C700	27		2709	100	0	3	2	2944	109	0	3	3	2944	109	0	3	3
	20C700	38		3299	87	0	3	3	4017	106	1	3	3	4017	106	1	3	3
	30C700	49		4203	86	1	3	3	5173	106	1	3	3	5173	106	1	3	3

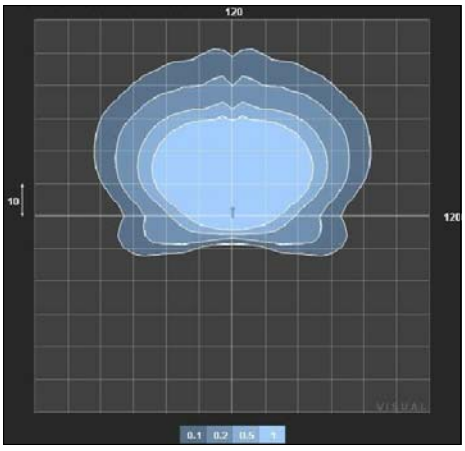
Photometric Distributions

T3M

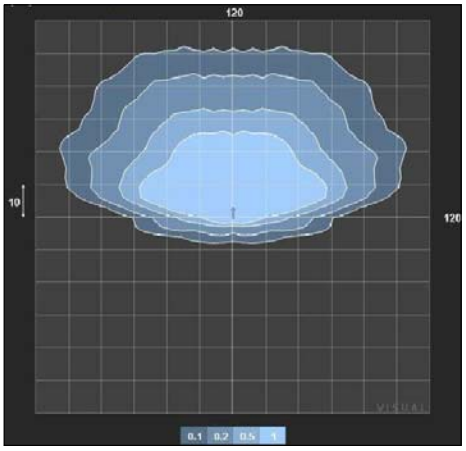
T3S

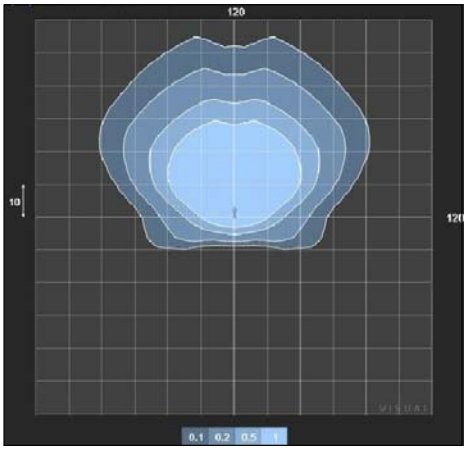
Glass





Polycarbonate





OPERATIONAL DATA

Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Maintenance Factor with T3M Optic Option

Operating Hours	0	25,000	50,000	*100,000*
Glass Lumen Maintenance Factor	1.00	0.969	0.935	*0.870*
Polycarbonate Lumen Maintenance Factor	1.00	0.998	0.993	*0.982*

The *italicized data* is extrapolated beyond the TM-21 standard.

Maintenance Factor with T3S Optic Option

Operating Hours	0	25,000	50,000	*100,000*
Glass Lumen Maintenance Factor	1.00	1.00	0.977	*0.925*
Polycarbonate Lumen Maintenance Factor	1.00	1.00	0.977	*0.925*

The *italicized data* is extrapolated beyond the TM-21 standard.

E = (LM) x (CU) x (LAT) x (LLD)
LM and CU are obtained from published photometry.

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Temperature	
		LEDs with T3M	LEDs with T3S
0° C	32° F	1.02	1.05
10° C	50° F	1.01	1.03
20° C	68° F	1.00	1.01
25° C	77° F	1.00	1.00
30° C	86° F	1.00	0.99
40° C	104° F	0.98	0.97