BEACON
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GEOPAK SERIES 1

SIZE 1 - TRP1/QSP1/RDI1

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

GEOPAK™

FEATURES

- GeoPak Series consists of three compact Geometric wall-pack shapes in four popular finishes
- 24 mid-power LEDs create 3115 lumens in AC and 1628 lumens in emergency mode
- Environmentally friendly, long-life Lithium Iron Phosphate battery
- Standard Battery Temperature Range: 0°C to 40°C, Optional Heater: -30°C to 40°C
- Zero uplight distributions

C US

SPECIFICATIONS

CONSTRUCTION

- Housing is made from die-cast aluminum with a hinged back-plate for ease of installation and maintenance
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating.
- Wet Location Listed to UL924 and UL1598 Standard

OPTICS

- 24 mid power LEDs delivering up to 3,000 lumens
- Up to 118 lumens per watt
- Type III and IV distributions for a wide variety of applications
- Zero uplight (UO), dark sky, neighbor friendly

INSTALLATION

- Universal plate for mounting to standard 3 1/2" and 4" square electrical boxes. All connections are made from connections at the rear of the unit
- Optional back-box accessory available for surface conduit application.

ELECTRICAL

- 120-277 and 347-480V operation, 50/60Hz
- 0-10V dimming driver standard. Dimming leads are extended from the product.
- 10kA surge protector
- Photocell and occupancy sensor options available for complete on/off and dimming control
- Intergral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Includes a long-life Lithium Iron Phosphate battery with optional battery heater for cold temperature application
- Ambient operating temperature -40˚C to 40˚C
- Button photocontrol is suitable for 120-277V operation
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

CERTIFICATIONS

- Drivers IP66 and RoHS compliant
- Listed to UL1598 and CSAC22.2#250.0-24 for wet location

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	1720-2896
Wattage Range	15-25
Efficacy Range (LPW)	107-131
Weights lbs. (kg)	10.5–11.5 (4.8–5.2)

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ORDERING GUIDE

Example: TRP1-24L-25-4K7-3-UNV-DBT

CATALOG #

ORDERING INFORMATION

Series		# LEDs		Wattage		CCT/CRI		Distribution		Voltage	
TRP1	Trapezoid	**24L**	24 LEDs	**15**	15 watts	**3K7**	3000K, 70 CRI	**3**	TYPE III	**UNV**	120-277V
RDI1	Radius			**20**	20 watts	**4K7**	4000K, 70 CRI	**4W**	TYPE IV	**120**	120V
QSP1	Qtr-sphere			**25**	25 watts	**5K7**	5000K, 70 CRI			**208**	208V
						3K8	3000K, 80 CRI			**240**	240V
						4K8	4000K, 80 CRI			**277**	277V
						5K8	5000K, 80 CRI			**347**	347V
										480	480V

Color		Control Options Network		Options	
BLT	Black Matte Textured	**PC**	Button Photocontrol	**F**[4]	Fusing (only available with STD fixture configuration, 120-277V only)
BLS	Black Gloss Smooth	**SCP**[2,3]	Programmable occupancy sensor, factory default is 10% light output	**E**[1,5]	Battery pack (0°C)
DBT	Dark Bronze Matte Textured	**Spec SCP/SCO & SWPM Mount Height**		**EH**[1,5]	Battery pack (-30°C) with heater
DBS	Dark Brone Gloss Smooth	**-8F**	Up to 8ft mount height		
GTT	Graphite Matte Textured	**-20F**	Up to 20ft mount height		
LGS	Light Grey Gloss Smooth				
PSS	Platinum Silver Smooth				
WHT	White Matte Textured				
WHS	White Gloss Smooth				
VGT	Verde Green Textured				
Color Option					
CC	Custom Color				

Notes:

1 Voltage specific (120 or 277V only)

2 Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings, 120-277V only

3 PCU option not applicable, included in sensor

4 Must specify input voltage (120, 208, 240 or 277)

5 PCU and EH cannot be combined in the QSP1 because of space constraints

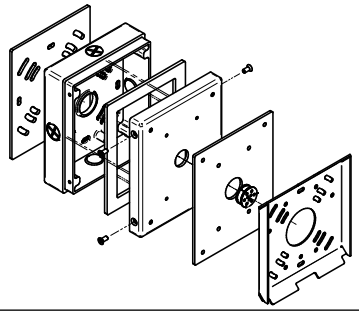
ACCESSORIES (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**SCP-REMOTE***	Remote control for SCP option. Order at least one per
☐	**WP-BB-XXX**	Accessory for conduit entry, replace "xxx" with color option

Notes:

* Must order minimum of one remote control to program dimming settings, 0-10V fully adjustable dimming with automatic daylight calibration and different time delay settings.

WB-BB Wallpack Back Box



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PERFORMANCE DATA

Description	Drive Current	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
24L	350 mA	15	3	1888	127	0	0	1	1879	126	0	0	1	1807	121	0	0	1
	350 mA	15	4W	1797	121	0	0	1	1789	120	0	0	1	1720	115	0	0	1
	500 mA	20	3	2607	131	1	0	1	2594	130	1	0	1	2495	125	1	0	1
	500 mA	20	4W	2481	125	1	0	1	2469	124	1	0	1	2374	119	1	0	1
	600 mA	25	3	2896	113	1	0	1	2884	112	1	0	1	2773	110	1	0	1
	600 mA	25	4W	2756	107	1	0	1	2754	107	1	0	1	2640	108	1	0	1

ELECTRICAL DATA

INPUT POWER CONSUMPTION

System Watts	Input Voltage (V)	System Power (W)	Current (Amps)
15W	120	14.9	0.125
	277		0.053
	347		0.043
	480		0.031
20W	120	20.6	0.172
	277		0.074
	347		0.059
	480		0.043
25W	120	25.3	0.216
	277		0.091
	347		0.073
	480		0.053

Battery backup units consume additional power during charging (maximum 32.2 watts for E, 50.7 watts for EH)

INPUT POWER CONSUMPTION

Ambient Temperature	OPERATING HOURS					
	0	25,000	50,000	TM-21-11* L96 60,000	100,000	L70 (Hours)
25C	1	0.97	0.95	0.94	0.91	4,25,000
40C	0.99	0.96	0.94	0.93	0.9	3,70,000

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier
0C	32F	1.03
10C	50F	1.01
20C	68F	1
25C	77F	1
30C	86F	0.99
40C	104F	0.98

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

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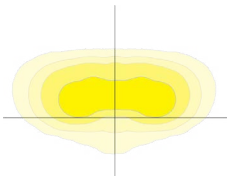
PHOTOMETRY

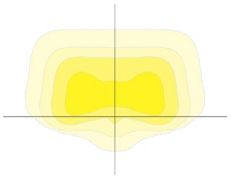
The following diagrams represent the general distribution options offered for this product.

Type III



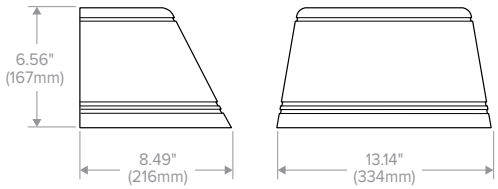
Mounting Height: 10'

Type IV (Forward throw)

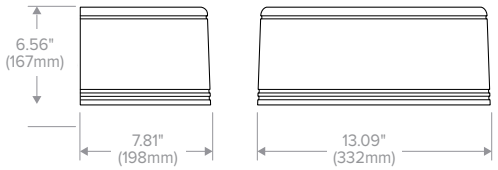


Mounting Height: 10'

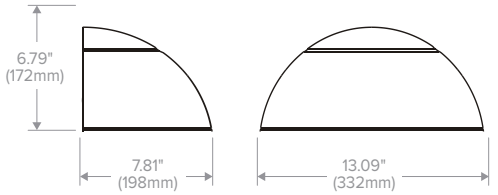
DIMENSIONS



Trapezoid
(TRP1)



Round
(RDI1)



Quartersphere
(QSP1)

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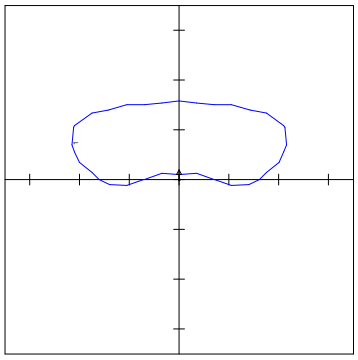
ADDITIONAL INFORMATION

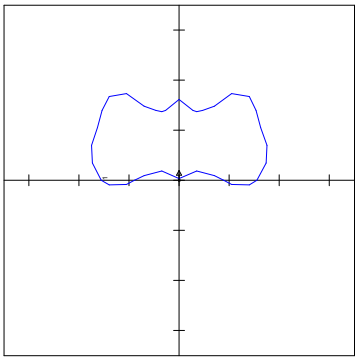
GEOPAK - BATTERY BACK UP

Type 3 Emergency Mode



13W battery when powered covers 20' throw to either side of fixture and 15' throw forward at a 10' mounting height.

Type 4 Emergency Mode



13W battery when powered covers 18' throw to either side of fixture and 15' throw forward at a 10' mounting height.

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions.

Diagrams for illustration purposes only, please consult factory for application layout.

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