HUBBELL Outdoor Lighting

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

GEOPAK Series 2
SIZE 2 - TRP2/QSP2/RDI2

FEATURES

- Mid sized architectural wallpacks in three stylish shapes
- Capable of replacing up to 400w HID luminaires
- Type I, II, III and IV distributions for a wide variety of applications
- Integral battery backup options
- Control capabilities offer additional energy savings options
- Zero uplight distributions
- Inverted mounting capable for under canopy and facade lighting

c(UL)us   DLC LISTED   ida DARK SKY APPROVED 2016
*3000K and warmer CCTs only

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL

SPECIFICATIONS

CONSTRUCTION
- Die-cast aluminum housing and door
- Seven powder coat standard finishes, plus custom color options

OPTICS
- 24 or 32 high power LEDs deliver up to 10,800 lumens
- Up to 146 lumens per watt
- Different lenses offer a variety of distribution patterns - Type I, II, III and IV (Forward throw)
- 3000K - 70 CRI, 4000K - 70 CRI and 5000K - 70 CRI, CCT nominal

INSTALLATION
- Quick-mount adapter with gasket seal provides easy installation to wall or to recessed junction box (4" square junction box). Fixture attaches by two Allen-head hidden fasteners for tamper resistance
- Black box accessory available for surface conduit application

ELECTRICAL
- Optional Dual Drivers & Dual Power Feeds for 50, 70 and 90 watt versions
- 120-277, 347 and 480 voltage, 50/60Hz
- Power factor $\geq$ 90%
- THD (Total Harmonic Distortion) <20%

ELECTRICAL (CONTINUED)
- Ambient operating temperature -40°C to 40°C
- 20kA surge protection (series); Automatically takes fixture off-line when device is consumed
- 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
- Utilizes 4 LEDs in emergency mode with 657 lumens. Each of the 4 LEDs in emergency are designed to function independently in the unlikely event of a single LED malfunction
- Spectron® self-testing/self-diagnostic electronics are included standard
- Independent dedicated driver and LED array for battery/emergency mode operation

CONTROLS
- Drivers are 0-10V dimming standard
- Universal button photocontrol for dusk to dawn energy savings
- Photocell and occupancy sensor options available for complete on/off and dimming control

CONTROLS (CONTINUED)
- In addition, GeoPak Size 2 can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbelllighting.com/sitesync for more details

CERTIFICATIONS
- IP65 rated housing
- DesignLights Consortium® (DLC) qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Zero uplight (U0), dark sky, neighbor friendly
- Drivers IP66 and RoHS compliant

WARRANTY
- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	3,200-11,000
Wattage Range	28–87
Efficacy Range (LPW)	112–146
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	16–18 (7.3–8.2)

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ORDERING GUIDE

Example: TRP2-24L30-3K7-2-UNV-DB

CATALOG #

ORDERING INFORMATION

Series		# LEDs - Wattage		CCT/CRI		Distribution		Voltage		Secondary Mounting	
TRP2	Trapezoid	24L-30	24 LEDs, 30 watts	3K7	3000K, 70 CRI	1	TYPE I	UNV	120-277V	BLANK	Downlight Only
RDI2	Radius	24L-50	24 LEDs, 50 watts	3K8	3000K, 80 CRI	2	TYPE II	120	120V		
QSP2	Qtr-sphere	24L-70	24 LEDs, 70 watts	4K7	4000K, 70 CRI	3	TYPE III	208	208V		
		24L-90	24 LEDs, 90 watts	4K8	4000K, 80 CRI	4	TYPE IV	240	240V		
		32L-70	32 LEDs, 70 watts	5K7	5000K, 70 CRI			277	277V		
		32L-90	32 LEDs, 90 watts					UHV[1]	347/480V		
								347[1]	347V		
								480[1]	480V		

Color		Control Options Network		Options	
BL	Black textured	PC	Button Photocontrol	SF[2]	Single fuse & fuse holder
DB	Dark bronze textured	SCP[3,4]	Programmable occupancy sensor, factory default is 10% light output	DF[2]	Double fuse & fuse holder
GT	Graphite textured			E[2,6]	Battery pack (0°C)
GR	Gray textured matte	SCO[3]	Sensor Control, On/Off	EH[2,6]	Battery pack (-30°C) with heater
GYS	Light gray smooth	**Spec SCP/SCO & SWPM Mount Height**		2DR[5]	Dual Drivers
PS	Platinum silver smooth	-8F	Up to 8ft mount height	2PF[5,6]	Dual power feeds
WH	White textured	-20F	Up to 20ft mount height	CS	Comfort shield
CC	Custom color				

Notes:

1.   70 & 90 watt versions only
2.   Must specify voltage (120, 277 or 347V only for SWP & SWP, 120 or 277V only for E & EH)
3.   PCU option not applicable, included in sensor
4.   Must order minimum of one remote control to program dimming settings, 0-10V fully adjustabl dimming with automatic daylight calibration and different time delay settings
5.   Not available with 30w version
6.   Battery option not compatible with 2 power feeds

ACCESSORIES (ORDERED SEPARATELY)

	Catalog Number	Description
☐	SCP-REMOTE*	Remote control for SCP option. Order at least one per
☐	BB-GEO-XX	Black box with 4-1/2" threaded conduit holes, specify finish by replacing "XX" with finish selection, eg. Dark Bronze "DB"
☐	SWUSB**	SiteSync loaded on USB flash drive (Windows based only)
☐	SWTAB**	SiteSync Windows Tablet
☐	SWBRG+	SiteSync Wireless Bridge Node

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.
**   When ordering with SiteSync, one of the following interface options must be chosen an ordered separately. Each option contains the SiteSync License, GUI and Bridge Node.
+   If needed, an additional Bridge Node can be ordered

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INPUT POWER CONSUMPTION

# of LEDs	Drive Current (mA)	Input Voltage (V)	Current (Amps)	System Power (w)
24	350mA	120	0.23	28
		277	0.10	28
	625mA	120	0.41	49
		277	0.18	49
	900mA	120	0.59	71
		277	0.25	71
		347	0.20	71
		480	0.15	71
	70	120	0.72	87
		277	0.31	87
		347	0.25	87
		480	0.18	87
32	110	120	0.56	67
		277	0.24	67
		347	0.19	67
		480	0.14	67
	140	120	0.69	83
		277	0.30	83
		347	0.24	83
		480	0.17	83

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PERFORMANCE DATA

| Description	Nominal Wattage	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
24	350mA	28	1	4,075	146	1	0	0	4,065	146	1	0	0	3,660	131	0	0	0
			2	3,747	134	1	0	1	3,738	134	1	0	1	3,366	121	1	0	1
			3	3,756	135	1	0	1	3,747	134	1	0	1	3,374	121	1	0	1
			4	3,656	131	0	0	1	3,647	131	0	0	1	3,284	118	0	0	1
	625mA	49	1	6,329	130	1	0	0	6,313	130	1	0	0	5,685	117	1	0	0
			2	5,820	120	1	0	1	5,806	119	1	0	1	5,228	108	1	0	1
			3	5,833	120	1	0	2	5,819	120	1	0	2	5,240	108	1	0	2
			4	5,678	117	1	0	2	5,664	117	1	0	2	5,100	105	1	0	2
	900mA	71	1	8,613	122	1	0	1	8,592	122	1	0	1	7,737	110	1	0	1
			2	7,921	112	1	0	2	7,902	112	1	0	2	7,115	101	1	0	2
			3	7,939	112	1	0	2	7,920	112	1	0	2	7,131	101	1	0	2
			4	7,728	109	1	0	2	7,709	109	1	0	2	6,942	98	1	0	2
	1100mA	87	1	10,791	124	1	0	1	10,765	124	1	0	1	9,694	112	1	0	1
			2	9,924	114	2	0	2	9,900	114	1	0	2	8,915	103	1	0	2
			3	9,946	115	1	0	2	9,922	114	1	0	2	8,935	103	1	0	2
			4	9,682	112	1	0	2	9,659	111	1	0	2	8,696	100	1	0	2
32	650mA	67	1	8,621	129	1	0	1	8,600	128	1	0	1	7,744	116	1	0	1
			2	7,928	118	1	0	2	7,909	118	1	0	2	7,122	106	1	0	2
			3	7,946	119	1	0	2	7,927	118	1	0	2	7,137	107	1	0	2
			4	7,735	115	1	0	2	7,716	115	1	0	2	6,948	104	1	0	2
	850mA	83	1	10,806	130	1	0	1	10,780	130	1	0	1	9,705	117	1	0	1
			2	9,938	120	2	0	2	9,914	119	1	0	2	8,927	108	1	0	2
			3	9,960	120	1	0	2	9,936	120	1	0	2	8,947	108	1	0	2
			4	9,695	117	1	0	2	9,672	117	1	0	2	8,709	105	1	0	2

PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.
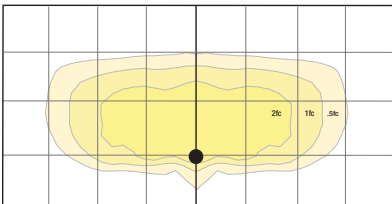
TRP2-24L-50-4K7-1
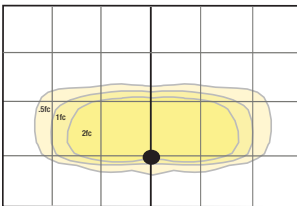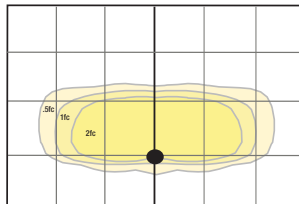

Mounting Height: 15'

TRP2-24L-50-4K7-2
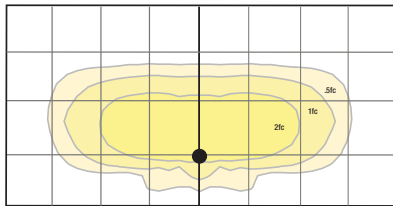
Mounting Height: 15'

TRP2-24L-50-4K7-3
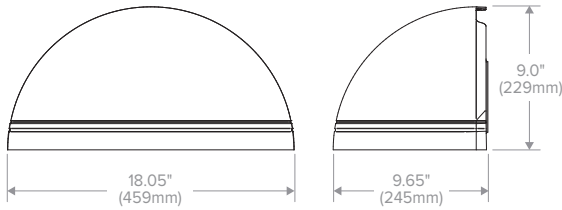

Mounting Height: 15'
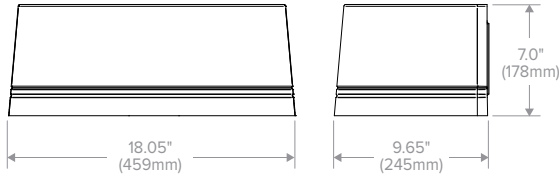
TRP2-24L-50-4K7-4

Mounting Height: 15'

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HUBBELL
Lighting

DIMENSIONS

9.0"
(229mm)

18.05"
(459mm)

9.65"
(245mm)

QSP2
Weight:
15 lbs (6.8 kg)

7.0"
(178mm)

18.05"
(459mm)

9.65"
(245mm)

RDI2
Weight:
16 lbs (7.3 kg)

7.25"
(184mm)

16.68"
(424mm)

9.65"
(245mm)
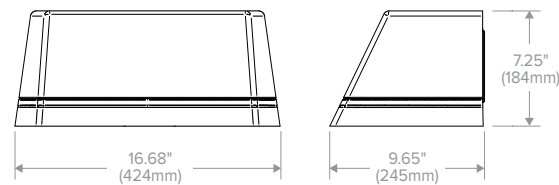
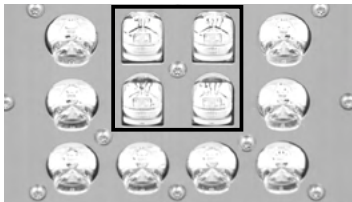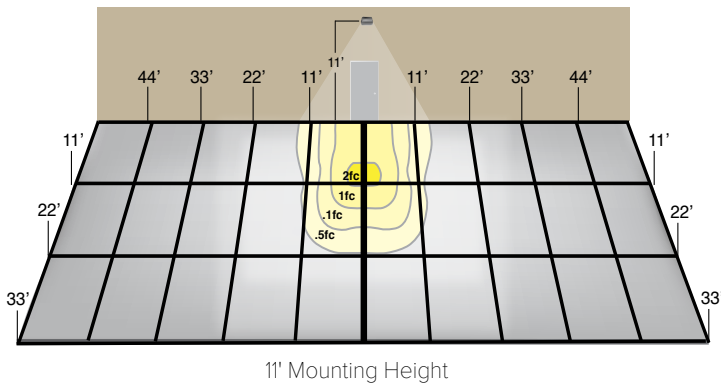### TRP2
Weight:
16 lbs (7.3 kg)

ADDITIONAL INFORMATION (CONT'D)

E & EH EMERGENCY BATTERY BACKUP

24 or 32 high power LEDs generate up to 11,000 lumens in normal mode and use 4 LEDs for up to 700 lumens in emergency mode.

PHOTOMETRICS - BATTERY BACK UP

44' 33' 22' 11'   11'   11' 22' 33' 44'

11'   11'

2fc
1fc
.1fc
.5fc

22'   22'

33'   33'

11' Mounting Height

Provides Life Safety Code average illuminance of 1.0 fc. Assumes open space with no obstructions and mounting height of 11'.
Diagrams for illustration purposes only, please consult factory for application layout.

Battery backup units consume 6 watts when charging a dead battery and 2 watts during maintenance charging. EH (units with a heater) consume up to an additional 8 watts when charging if the battery temp is lower than 10°C

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ADDITIONAL INFORMATION (CONT'D)

COMFORT SHIELD

Comfort shield option utilizes a frosted acrylic lens that softens output and improves uniformity. Available from the factory or as an accessory for field installation.

CONTROL OPTIONS

Programmable occupancy sensor offers greater control and energy savings with adjustable delay and dimming levels (Factory default is 10%)

USE OF TRADEMARKS AND TRADE NAMES

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