



1 ELECTRICAL SITE PLAN AND PHOTOMETRIC
SCALE: 1:150

| Luminaire Schedule | | | | | | | | | | | |
|--------------------|-----|-------|-------------|-------------------|-------|------------------|-----------------|-------------|-----------------|-----------------|------------|
| Symbol | Qty | Label | Arrangement | Description | LLF | Luminaire Lumens | Luminaire Watts | Total Watts | (MANUFAC) | Mounting Height | BUG Rating |
| | 4 | W | Single | TRP2-24L-30-3K7-3 | 0.900 | 3374 | 27.9 | 111.6 | HUBBELL OUTDOOR | 4.5 | B1-U0-G1 |

| Calculation Summary | | | | | | | | |
|---------------------|-------------|-------|------|-----|-----|---------|---------|--|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min | |
| Wall Mounts TYPE W | Illuminance | Fc | 1.51 | 2.5 | 0.5 | 3.02 | 5.00 | |

HUBBELL
Outdoor Lighting

GEOPAK Series 2
SIZE 2 - TRP2/GSP2/RO2

FEATURES

- Mid sized architectural setbacks in three slight shapes
- Greater spacing up to 40W x 40W
- 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-voltage distribution

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #:

RELATED PRODUCTS: # B11-GeoPak # TRP-GeoPak # GSP2-GeoPak

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 - 50 CRI, 4000K - 70 CRI and 5000K - 70 CRI, CCT tunable

INSTALLATION

- 24-watt output capacitor with gasket seal provides easy installation to wall or to recessed junction box IP65-rated junction box. Fixture attaches by two Allen-head hook fasteners for surface resistance
- Back box accessory available for surface control application

ELECTRICAL

- 120V/150W Dual Drivers & Dual Power Fields for 50, 70 and 90 watt versions
- 120/277, 347 and 480V voltage, 50/60Hz
- Power factor > 90%
- THD (Total Harmonic Distortion) < 20%
- Ambient operating temperature -40°C to 40°C
- 20kA surge protection (inset). Automatically turns feature off-line when device is consumed

ELECTRICAL (CONTINUED)

- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Includes a long-life Lithium Iron Phosphate battery with optimized battery tender for cold temperature application
- Lifetime of 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/diagnostic electronics are included standard
- Independent dedicated driver and LED array for battery/emergency mode operation

CONTROLS

- Universal ladder photocontrol for dusk to dawn energy savings
- Photocell and occupancy sensor options available for complete on/off and dimming control

CERTIFICATIONS

- PSE listed housing
- DesignLights Consortium® (DLC) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Zero-voltage (ZV) dark sky, neighbor friendly
- Drivers IP65 and RoHS compliant
- This product qualifies as energy saving by American Council on Energy Efficiency (ACEE) and Energy Star (see ENEC 100 for details)
- "Integrated country construction materials" under Trade Agreements effective 06/03/2000. See www.us-trade-agreements.com

WARRANTY

- 5 year limited warranty
- See UL1 Standard Warranty for additional information

| KEY DATA | |
|--------------------------------|--------------|
| Lumen Range | 3,200-10,000 |
| Wattage Range | 28-87 |
| Efficiency Range (lm/W) | 70-146 |
| Fixture Projected Life (Hours) | 170-60K |
| Weight (kg, lbs) | 6-11 (13-24) |

2 LUMINAIRE TYPE 'W'
SCALE: N.T.S.

| No. | DATE | DESCRIPTION | CH'D |
|-----|------------|----------------|------|
| 1 | 2022-07-13 | ISSUED FOR SPA | TS |

REVISIONS

THE SPECIFICATIONS ARE TO BE CONSIDERED AS AN INTEGRAL PART OF THESE DRAWINGS AND NEITHER THE DRAWINGS NOR THE SPECIFICATIONS SHALL BE USED ALONE. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. DO NOT SCALE.

QUASAR
CONSULTING GROUP

250 ROWNTREE DAIRY RD, WOODBRIDGE, ON
TEL: 905-507-0800
WEB: WWW.QUASARCG.COM

PROJECT NORTH

15 Jul 2022

T.W. SEDORE

LICENSED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE EMAIL:
SINCR-22@QUASARCG.COM

PROJECT

**1592 TENTH LINE ROAD
OTTAWA**

TITLE

ELECTRICAL SITE PLAN AND PHOTOMETRIC

CHECKED: -- PROJECT No. **SINCR-22-**

SCALE: AS SHOWN DRAWING No. **E-001**