

SPECIFICATION:

PRODUCT DESCRIPTION: SCEPTRE HYBRID OFF GRID POWER TOWER c/w
VISION VALIANT AMENITY LED LUMINAIRE
PRODUCT CODE: SPC120/S200-36V/W300/B12V-24AH/L20-2300-3K-GEN1HYB
PART NO.: SPC20-VALIANT-GB

MATERIALS:

LM6 CAST ALUMINIUM LUMINAIRE
PMMA OPTIC
TOUGHENED GLASS SOLAR ELEMNETS
BZP STEEL HT FASTENERS

GALVANISED 76MM COLUMN & BASE ROOT
FABRICATED STEEL BATTERY & CONTROL HOUSING
REINFORCED CONCRETE BASE

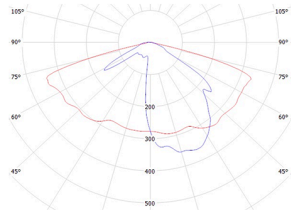
INGRESS PROTECTION: IP67 (ALL ELECTRICAL CONNECTORS & ENCLOSURES)
IMPACT RATING: IK10
WEIGHT: 100KG FULL ASSEMBLY (NOT INCLUDING 500KG BLOCK)
WIND FACTOR: 0.96
SPIGOT SIZE: 76MM (OTHER SIZES AVAILABLE UPON REQUEST)

LED ARRAY DETAILS:

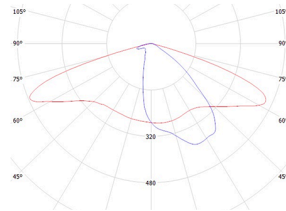
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|---------------------|-------------------|-----------------|------------|
| NOMINAL WATTAGE: | 20W | LM80/TM21 DATA | |
| LUMEN OUTPUT: | 3840Lm | L90: | 102,000HRS |
| LUMEN EFFICACY: | 192Lm/W | L80: | 114,000HRS |
| COLOUR TEMPERATURE: | 3000K | L70: | 123,000HRS |
| LED QUANTITY: | 24 | FAIL RATE (By): | 104,000HRS |
| LED MODEL: | LuxeOn Rebel 5050 | | |
| COLOUR TEMPERATURE: | 3000K | CRI: | 70+ |
| | | CRI SHIFT/LIFE: | 2% |

OPTICS:

SP- (GLARE G3)



MEC- (GLARE G6)



POWER TOWER DETAILS:

| | | | |
|-----------------------|---------------------|------------------|-----------|
| SOLAR CAPACITY (RMS): | 200W | SOLAR CURRENT: | 2.78A |
| SOLAR EFFICIENCY: | 22.5% | PANEL QTY: | 6 |
| SOLAR VOLTAGE: | 36V | | |
| WIND CAPACITY (RMS) | LE-300W | WIND CURRENT | 40A |
| WIND VOLTAGE | 24V | | |
| BATTERY CAPACITY: | 20AH | CHARGE RATE: | 3C* |
| BATTERY VOLATGE: | 24V | CYCLES: | 20000* |
| BATTERY OPTIONS: | TITANVOLT LTO | LIFESPAN: | 30 YEARS* |
| MPPT CONTROLLER: | EXP1 & SRNE DM120 | MPPT VOLATGE: | 24V |
| PECU: | UNIQUE TECHNOLOGIES | SYSTEM EFFICACY: | 88% |
| DIMMING PROTOCOL: | COMMS DASHBOARD | | |

WARRANTY DETAILS:

5 YEAR FULL SYSTEM WARRANTY
20 YEAR BATTERY PERFORMANCE WARRANTY
WARRANTY EXTENSIONS AVAILABLE**

ACCREDITATION:

CE CERTIFICATION
RoHS CERIFICATION
UKCA
REACH
TUV SUD (IK)
ENEC

