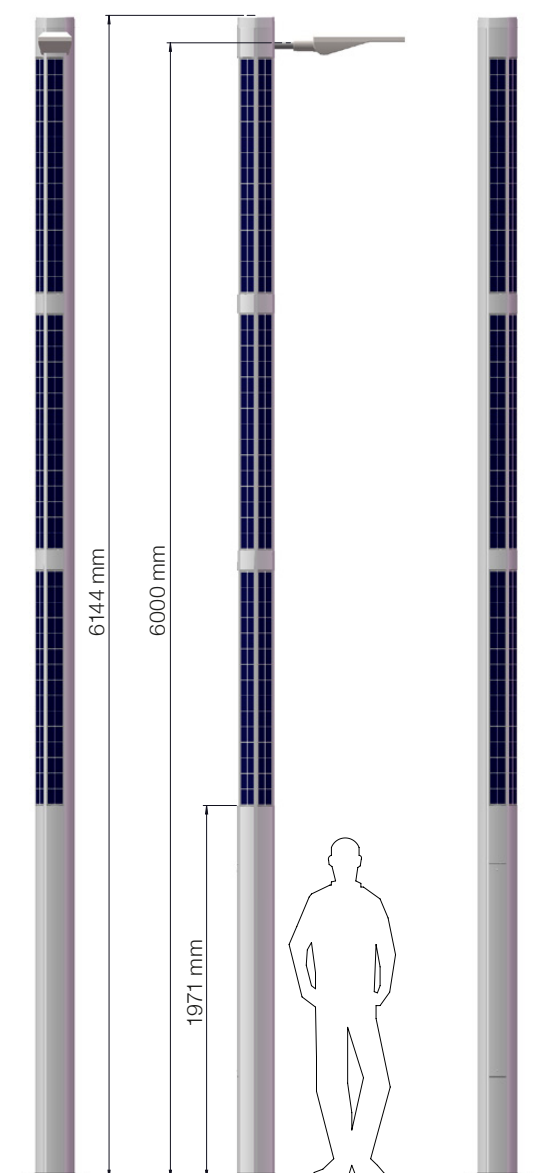


# DATA SHEET

## PRIESS SKYLINE



### DESCRIPTION

Skyline is a stand-alone, self-sufficient solar cell column for professional exterior LED lighting systems. Skyline is flexible and accommodates the most common LED luminaires.

The integrated controller management system [LCC] allows management of the individual lighting profile and the tracking of operating data, alarms and capacity performance.

The Hexagon column is covered by solar cells on 1 to 6 sides, and in heights from 3,5 meters to 10,5 meters for the individual designed installation for maximum uptake of direct and reflected sunlight all day long with a high level of operating reliability.

### MATERIALS

Due to the choice of materials such as, recyclable aluminum and glass, Skyline is a clean, eco-friendly product:

- 100% carbon-neutral operation
- 18% Polycrystalline solar cells
- 100% recyclable materials
- Integrated LCC control
- Remote access and monitoring

### CUSTOMIZE YOUR SKYLINE

The Skyline column can be customized to meet your requirements, for instance with optional operation modes or optional luminaires. From 2 to 36 solar modules. Total height from 3,5-10,5 meters.

### BENEFITS

- 100% green solution
- No expenses for cabling – 100% stand alone
- No costs for operation
- Aesthetic design

**COLUMN**

|                              |   |
|------------------------------|---|
| TOTAL HEIGHT                 | 3,5-10,5 M ( BOLLARD 1,1 M)                                 |
| COLUMN                       | EXTRUDED ALUMINUM PROFILE Ø200/3 MM                         |
| ALUMINUM PARTS (RECYCLABLE)  | NATURAL ANODIZED 20MY (25 MY OPT.). ALUMINUM EN AW 6063-T6. |
| HATCH                        | 400 X 90 MM / 520 X 90 MM                                   |
| TOTAL WEIGHT (KG)            | 60-120 KG   |
| EC CERTIFICATE OF CONFORMITY | EN 10-90/CE   |

**SKYLINE PV MODULES**

|   |                                      |
|---|--------------------------------------|
| TECHNOLOGY                              | POLYCRYSTALLINE 18% SILICIUM CELLS   |
| SHADOW PROTECTION                       | INTEGRATED BPD                       |
| DIMENSIONS                              | 1656 X 88 MM / 836 X 88 MM           |
| MODULE PEAK OUTPUT                      | 11-22 WP (28W-504W TOTAL PER COLUMN) |
| EXPECTED LIFETIME / FUNCTIONAL WARRANTY | 20 YEARS                             |
| SOLARCELL PROTECTION COVER              | 3 MM TEMPERED GLASS                  |
| OPERATION TEMPERATURE                   | -20°C TO + 85°C                      |

**LUMINAIRE**

|                |                                   |
|----------------|-----------------------------------|
| TYPE           | WIDE RANGE OF STANDARD LUMINAIRES |
| TECHNOLOGY     | LED                               |
| NUMBERS OF LED | 6-60 PCS.                         |
| WATTAGE        | 1-130W                            |

**BATTERY**

|                       |  |
|-----------------------|--|
| TECHNOLOGY            | AGM GEL, 12 VOLT 100AH (OPTIONAL NIMH 12V) |
| BATTERY DIMENSIONS    | 330X172X222 MM /31,6 KG (AGM/GEL)          |
| ENERGY CAPACITY       | 1200-7200WH                                |
| OPERATING TEMPERATURE | -15°C- + 50°C (NIMH: -15°C TO 65°C)        |
| EXPECTED LIFETIME     | 5 YEARS (NIMH: 10 YEARS)                   |

**CONTROL UNIT AND POWER MANAGEMENT SYSTEM**

|                       |   |
|-----------------------|---|
| OPERATION MODE        | STAND ALONE, SAFE, ACTIVE                                 |
| REMOTE ACCESS         | WIFI / MIWI   |
| OPERATION VOLTAGE     | 12V   |
| OPERATION TEMPERATURE | -40°C - + 70°C  |
| LUMINAIRE             | LED MAX. 240W DIMMABLE                                    |
| TIME CONTROL          | 365 DAYS PRE-PROGRAMMED FOR LOCATION / ASTRONOMICAL CLOCK |
| CHARGE CONTROL        | MPPT DIRECT CURRENT LIMITED MAX 250 WP                    |
| LED DRIVER            | PROGRAMMABLE 50-2000 MA CONSTANT CURRENT                  |