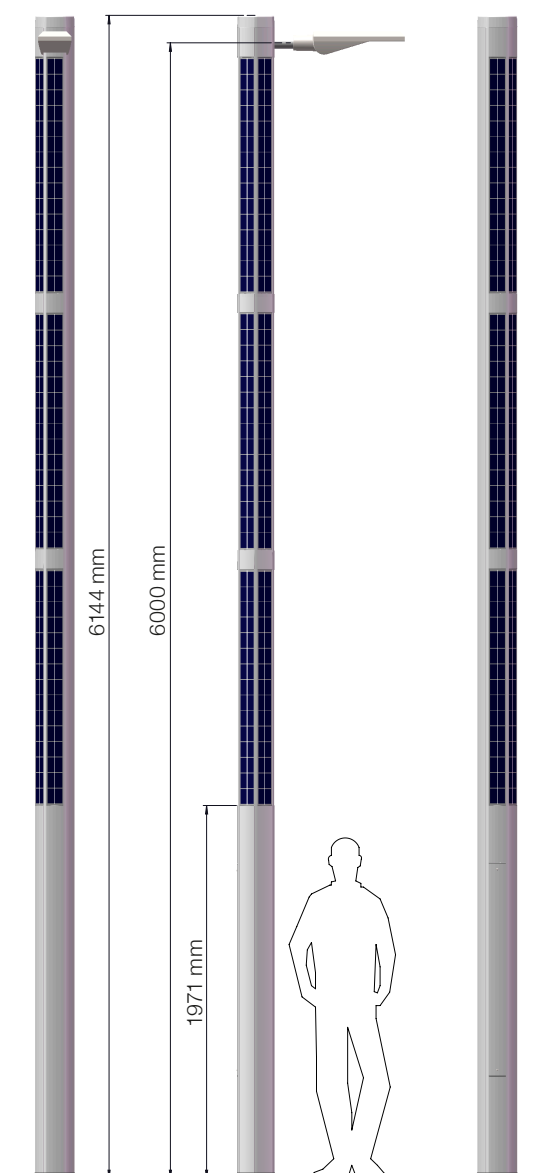




# DATA SHEET

## 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 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 meters.

### BENEFITS

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

**COLUMN**

<b>COLUMN</b>	<b>HEXAGONAL EXTRUDED ALUMINUM Ø200/3MM</b>
<b>STANDARD FINISH</b>	<b>NATURAL ANODIZED 20µm</b>
<b>STANDARD</b>	<b>EN AW6063-T6</b>
<b>TOTAL HEIGHT</b>	<b>3,5-10 M ( BOLLARD 1,1 M)</b>
<b>TOTAL WEIGHT (KG)</b>	<b>60-200 KG</b>
<b>CERTIFICATE OF CONFORMITY</b>	<b>EN 10-90/CE</b>

**BATTERY**

<b>STANDARD MODEL</b>	<b>AMG GEL, 12 VOLT 100AH</b>
<b>DIMENSIONS/WEIGHT</b>	<b>330 X 172 X 222 MM /31,6 KG</b>
<b>OPERATING TEMPERATURE</b>	<b>-20°C - + 50°C</b>
<b>LIFE CYCLES</b>	<b>2400 CYCLES AT MAX. 33% DOD</b>
<b>RECYCLABILITY</b>	<b>97% RECYCLABLE (CE 2006/66)</b>
<b>AUTONOMY</b>	<b>2-10 DAYS</b>
<b>ALTERNATIVE TECHNOLOGY</b>	<b>NIMH, LIFEPO4</b>

**CONTROL UNIT AND POWER MANAGEMENT SYSTEM**

<b>OPERATION MODE</b>	<b>STAND ALONE, SAFE, ACTIVE</b>
<b>BATTERY VOLTAGE</b>	<b>10-14,2 VDC</b>
<b>OPERATION TEMPERATURE</b>	<b>-40°C - + 85°C</b>
<b>CHARGE CONTROL</b>	<b>MPPT 6-40 VDC, 15A</b>
<b>LED DRIVER TYPE</b>	<b>INTEGRATED BOOST CONSTANT CURRENT</b>
<b>LED DRIVER SPEC.</b>	<b>NFC PROGRAMMABLE, 250W, 130 VDC, 2000MA</b>
<b>LED DIMMING</b>	<b>0 - 100%</b>
<b>DATA LOGGING</b>	<b>INTERNAL/CLOUD STORAGE</b>
<b>DATA ACCESS</b>	<b>USB/WIFI/GPRS</b>
<b>POWER MANAGEMENT</b>	<b>365 DAY CALENDAR, ASTRONOMICAL CLOCK</b>

**SKYLINE SOLAR MODULES**

<b>TECHNOLOGY</b>	<b>POLYCRYSTALLINE &gt;18%, 3MM TEMPERED GLASS</b>
<b>SHADOW PROTECTION</b>	<b>INTEGRATED BPD</b>
<b>DIMENSIONS A / B / C</b>	<b>1656 X 88 MM / 1246 X 88 MM / 836 X 88 MM</b>
<b>WATT PEAK A / B / C</b>	<b>26 WP / 20 WP / 13 WP</b>
<b>EXPECTED LIFETIME</b>	<b>&gt;20 YEARS</b>
<b>OPERATION TEMPERATURE</b>	<b>-20°C TO + 85°C</b>
<b>STANDARD</b>	<b>IEC60904</b>

**LED LUMINAIRE**

<b>TYPE</b>	<b>WIDE RANGE OF STANDARD LUMINAIRES</b>
<b>TECHNOLOGY</b>	<b>LED, SERIAL AND PARALLEL</b>
<b>WATTAGE</b>	<b>10-250W</b>