

Outdoor Battery Back-Up Solution FLOOD

IP 65



MAIN APPLICATIONS

URBAN
RESIDENTIAL
STREETS

AREA

SECURITY
LIGHTING

Integrated battery back- up lighting solution

The integrated battery back-up lighting solution for area lighting applications

The Outdoor Battery Back-Up Solution - FLOOD - offers a technically superior solution with a functional design, ensuring your exterior lighting needs during power outages are met, where uninterrupted lighting, especially for security purposes, is required.

When combined with compatible grid-tied luminaires (streetlight or floodlight options), this solution ensures the continuity of reliable lighting.

To effectively distribute light, our superb range of lenses is utilised, along with a high level of protection against environmental factors (IP 65) and resistance to vandalism.

The energy storage (LiFePO4) is integral to the luminaire and therefore less visible for vandalism to be a consideration.

KEY ADVANTAGES

- > Designed and manufactured in South Africa
- > Up to 250W MH replacement
- > Designed to operate reliably at full light output over a four-hour period
- > Integrated AC charger with maximum charging time of four hours
- > Integrated daylight switch to prevent daytime burning
- > Integrated energy storage solution
- > Long life lithium (LiFePO4) energy storage technology, offering up to 8 years battery lifetime
- > Theft and vandal resistant
- > Circular economy 3-star rating
- > Warranty up to 5 years

Energy storage

Lithium-ion

Lithium-ion based battery packs have the added advantage that they have a higher power density than lead, which means they have more available power for the same mass of a lead battery. This advantage, combined with the longer life expectancy and higher rate of depth of discharge (DOD), offering an attractive option for solar lighting applications, resulting in a longer lifetime. All Lithium-ion energy storage packs have an integrated Battery Management System (BMS) which monitors the health, charging and discharging of the energy storage pack. This safeguards the cells so that they are not over charged or discharged, maximising their lifetime.

Battery pack operating temperature: -20°C to +60°C

Please note:

Permanent live required for installation.
This solution is for outdoor use only.

Performance



| | | | Nominal flux (lm) ^(*) | Power consumption (W) | Nominal efficacy (lm/W) | Luminaire output flux (lm) | Luminaire efficacy (lm/W) | Photometry ^(**) |
|-----------|----------------|---------------------|----------------------------------|--------------------------|-------------------------|----------------------------|---------------------------|----------------------------|
| Luminaire | Number of LEDs | Driver Current (mA) | Typical | Typical | Typical | Typical | Typical | |
| FLOOD | 120 | 3600 | 18000 | 89 (200 ^{***}) | 202 | 15840 | 178 | |

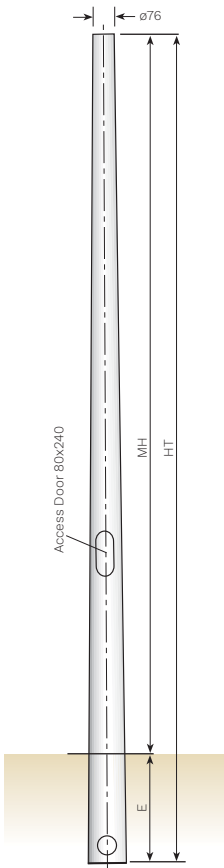
Tolerance on LED flux is ± 7% and on total luminaire power ± 5%

(*) The nominal flux is an indicative LED flux @ Ts 85°C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire. The type of LED used is subject to change due to the ongoing rapid progress taking place in LED technology.

(**) Custom combinations of lenses/optics to suit the project are available on request.

(***) Maximum load wattage while battery is charging.

GRP Pole Option



For more information, view the [BEKAPOLE](#) brochure.

| MH m | HT m | E m | Approx. weight (kg) |
|------|------|-----|---------------------|
| 5.0 | 5.7 | 0.7 | 16 |
| 5.5 | 6.3 | 0.8 | 21 |
| 6.0 | 6.9 | 0.9 | 24.2 |
| 6.5 | 7.4 | 0.9 | 28.5 |
| 7.0 | 8.0 | 1.0 | 29 |
| 7.5 | 8.6 | 1.1 | 38.5 |
| 8.0 | 9.2 | 1.2 | 43.7 |
| 8.5 | 9.8 | 1.3 | 49 |
| 9.0 | 10.4 | 1.4 | 56 |
| 9.5 | 11.0 | 1.5 | 60.2 |
| 10.0 | 11.6 | 1.6 | 65.8 |
| 11.0 | 12.8 | 1.8 | 89.5 |
| 11.5 | 13.4 | 1.9 | 98.5 |
| 12.0 | 14.0 | 2.0 | 110 |

BEKAPOLE
Floodlight Mounting Options

1-way

2-way



www.beka-schreder.co.za

Designed and manufactured by BEKA Schröder (Pty) Ltd



LOCALLY
manufactured