

**Warranty for BEKA Schröder (Pty) Ltd
Solar LED Luminaire System**
(Reg. No. 1981/005003/07)

1. GENERAL TERMS

A. Scope

The warranty set forth below is provided by BEKA SCHRÉDER with respect to BEKA SCHRÉDER and/or SCHRÉDER® branded Solar LED luminaire systems designed, manufactured and sold by BEKA SCHRÉDER (hereinafter referred to as "Products") to its end-customers (hereinafter referred to as: "Customers") either directly or through authorized distributors or dealers.

This warranty is effective for purchases of Products on or after the effective date set forth below. BEKA SCHRÉDER reserves the right to change this warranty without prior notice. Any such change shall be effective for all orders placed with BEKA SCHRÉDER (or its authorized distributors or dealers) on or after the effective date of such change.

B. Warranty Coverage

BEKA SCHRÉDER warrants that each Product will be free from defects in materials and workmanship subject to all conditions and limitations contained in this warranty for the periods tabulated in the Appendix (hereinafter referred to as: "Warranty Period"), from the date of delivery to the Customer and if such date is unknown, the date of invoice to the Customer.

BEKA SCHRÉDER also warrants the luminous performances of its Products during the Warranty Period. During the Warranty Period and subject to all conditions and limitations contained in this warranty the luminous flux will be maintained at a level of at least 80% of the initial nominal flux¹ mentioned in the datasheet or BEKA SCHRÉDER application study with a supply at nominal current, provided that the average nighttime ambient temperature does not exceed the rated Tq performance temperature and taking into account a tolerance of 5% on the drivers' nominal current.

This warranty is granted only for Products switched on/off on a daily basis with an average annual utilization of 4.200hours and used in accordance with their technical specifications and installation instructions.

Official photometrical measurements can only be carried out by BEKA SCHRÉDER or by a mutually agreed accredited laboratory with a protocol defined by BEKA SCHRÉDER.

In case of defective Products covered by this warranty, BEKA SCHRÉDER shall at its sole discretion repair or replace such Products. If a Product has been discontinued

or is not available for any other reason, BEKA SCHRÉDER may propose an alternative product.

2. LIMITATIONS AND CONDITIONS

This warranty shall apply only in following countries and territories Republic of South-Africa; Angola, Aruba, Botswana, Chile, Congo Brazzaville, DRC, eSwatini, Ghana, Guinea Conakry, Kenya, Lesotho, Malawi, Mauritius, Mozambique, Namibia, Nigeria, Seychelles, Tanzania, Uganda, Zambia, and Zimbabwe.

This warranty is strictly limited to the repair or replacement of Products. All other costs (e.g. dismounting, freight for defective parts or Products, removal and reinstallation, transport time, tools for lifting and scaffolding or other costs coming from an installation breakdown, etc.) are explicitly excluded. Likewise, parts, elements and/or accessories added to the Product after its delivery and/or additional control gears (e.g. tele-management) are also explicitly excluded.

The Customer must demonstrate that any default, defect or damage to a Product or part thereof does not result from or is not directly or indirectly caused by (i) accidents, (ii) improper packaging and storage, inappropriate transport conditions (see detail related to storage and transport of batteries in Appendix at the end of the document), negligence in handling, (ii) installation, wiring, operation or maintenance not in line with BEKA SCHRÉDER's specifications, guidelines and instructions and, where applicable, with IEC standards, or (iii) external events such as acts of nature, acts of God, fires, explosions and force majeure events or exposure to chemical substances.

This warranty does not apply if:

- The Product has been subjected to mechanical loads which are inconsistent with its intended use;
- The Product has been exposed to ambient temperatures in excess of the lower of $T_a = 45^{\circ}\text{C}$ (integrity, safety temperature) or the maximum value specifically rated by BEKA SCHRÉDER or has been operated in an environment (including electrical conditions) not in line with the Product Specifications;
- The Product or any part thereof, has been repaired, replaced, adjusted or altered by a third party, not expressly authorized by BEKA SCHRÉDER;
- The charge-controller settings have been changed without consulting BEKA SCHRÉDER.

Should the Product be installed in a corrosive environment, notably seaside or chemical site, the

¹ L80 B10 means that a minimum of 80% of the initial luminaire luminous flux will be maintained for a period that corresponds at least to the Warranty Period for the maximum ambient night time temperature.

The probability ratio B10 indicates that minimum 90 % of the luminaires in a given installation will meet the specified lumen maintenance level.

Customer must inform BEKA SCHRÉDER, which shall prescribe necessary precautions like additional, specific treatment and painting that the Customer should comply with, including the regular respect of the prescribed maintenance actions during the course of operation.

3. NO IMPLIED OR OTHER WARRANTIES

The warranties explicitly granted in this warranty are the only warranties given by BEKA SCHRÉDER in connection with the Products supplied to its Customers and are given in lieu of all other warranties, whether express or implied, including without limitation warranties of merchantability, fitness for a particular purpose, or non-infringement, all of which are hereby disclaimed.

In no event shall the liability of BEKA SCHRÉDER cover costs or damages that are consequential, special or incidental, including loss of revenue/profits, damage to property, work stoppage, idle assets, loss of production, costs incurred by closed roads, road signs or traffic deviations. BEKA SCHRÉDER's liability for all claims made under this warranty with respect to a Product item shall not exceed the total payments made by the Customer for that Product item. The Customer shall not be entitled to request and/or claim any payment extensions, price reductions or the termination of the supply contract if any.

No agent, distributor or dealer is authorized to change, modify or extend the terms of this warranty on behalf of BEKA SCHRÉDER.

4. WARRANTY CLAIMS

The Customer must immediately notify BEKA SCHRÉDER of a possible claim in writing from discovery of the defect or damage and, in any event within the Warranty Period, and give in such notification details of the defect or damage, including without limitation:

- Installation characteristics (location, street, number of Products affected, relevant installation details, etc.);
- Manner in which and environment circumstances under which the Products have been used;
- Name, variant, model and serial numbers (if available) of the defective Products;
- Copy of the invoice and delivery note;
- Installation date; and
- Detailed problem description.

A Customer may only ship a defective Product back to BEKA SCHRÉDER if BEKA SCHRÉDER has issued an RMA (Return Material Authorization) for that Product.

BEKA SCHRÉDER representatives shall be granted the right to access the defective Product prior to its disassembly and/or power grid to which the Product was connected for verification. Any restriction to this right will release BEKA SCHRÉDER from its warranty obligations hereunder with respect to the affected Product. Damaged parts, debris etc. should not be disposed of until written

authority is given by BEKA SCHRÉDER.

Non-conforming or defective Products or parts shall become BEKA SCHRÉDER's property as soon as they have been replaced.

If after issuance of an RMA, it is determined that the Customer has no warranty protection for the Product(s) shipped under the RMA, BEKA SCHRÉDER is entitled to charge the Customer the costs that it incurs in inspecting the Product(s) and determining whether it is eligible for warranty coverage.

The Warranty Period for replaced or repaired part or Product shall be the remainder, if any, of the initial Warranty Period for the repaired or replaced part or Product.

Effective Date: 1 May 2020.

**APPENDIX of the Warranty
Solar LED Luminaire System**

Component	Warranty Period	Specific Conditions
Lead Battery	1 year	The warranty is based on a Depth of Discharge of no more than 60 % and operating temperature of max 40°C. The battery will only be considered defective should it deliver less than 80 % of its original rated capacity during the Warranty Period. No charging below 0°C is allowed.
Lithium Battery (Integrated/SOZELLA-SOL-ONE)	1.5 years	The warranty is based on a Depth of discharge of no more than 80% and operating temperature of max 45°C. The battery will only be considered defective should it deliver less than 70% of its original rated capacity during the Warranty Period. No charging below 0°C is allowed.
Lithium Battery	3 years	The warranty is based on a Depth of discharge of no more than 80% and operating temperature of max 45°C. The battery will only be considered defective should it deliver less than 70% of its original rated capacity during the Warranty Period. No charging below 0°C is allowed.
Super Capacitor Battery	10 years	The warranty is based on a Depth of discharge of 100% and operating temperature of max 75°C. The battery will only be considered defective should it deliver less than 70% of its original rated capacity during the Warranty Period. No charging below -5°C is allowed for standard versions.
Panel	20 years	For the first 10 (ten) years: the performance output power of the panel shall be no less than 90 % of the nominal output power. For the remaining 10 (ten) years, the performance output power of the panel shall be no less than 80 % of the nominal output.
Charge Controller	5 years	This limited warranty does not cover damage, deterioration or malfunction resulting from alteration, modification, improper or unreasonable use or misuse, neglect, exposure to excess moisture, fire, improper packing, lightning, power surges, or other acts of nature.
Enclosure	3 years	
Solar LED	3 years	

Shipment and Storage Instructions for Batteries Sold with BEKA Schröder Solar Solutions	
Shipment of Batteries	<ol style="list-style-type: none"> 1. Choose adequate means for shipment, delivery and handling, as the batteries are heavy. Handle the batteries with care. Do not tilt or drop a battery pack. 2. Installation Staff should take care as to not damage the terminals and valve plugs of the battery. 3. The self-discharge during shipment and storage increases due to higher temperature and poor ventilation. Keep batteries well-ventilated and away from open flames and direct sunlight when stored in a warehouse. 4. Disconnect the batteries from the load and a charging system while in storage.
Storage of Batteries	<ol style="list-style-type: none"> 1. The batteries must be stored in a dry, clean non-corrosive and well-ventilated area in such a manner to prevent the possibility of a short-circuit. 2. The storage temperature is dependent on the technology used. The following is recommended: <ul style="list-style-type: none"> • Lead-Carbon batteries can be stored at a temperature between -20°C and 35°C. • Lithium-Ion batteries can be stored at a temperature between -20°C and 35°C. • Supercapacitor-battery systems can be stored at a temperature between -20°C and 40°C. 3. It is not recommended to store the batteries for longer than 3 months without recharging the batteries.