Lighting Solutions for Industries
Warehouses - Manufacturing - Logistics
Edition 2 - 2019
2002: We entered into a partnership with the Belgian company Schréder, a multinational lighting company that is present in about 35 countries.

2013: We became a wholly owned Schréder company, allowing us to embrace the latest technologies, such as optimising light control technologies, for which Schréder are well renowned.

By combining the best of LED technology with a wide range of control systems, our solutions can offer huge energy savings of up to 85% and radically reduce the payback time of a new installation.

Market Leaders
Africa’s leading manufacturer of Luminaires and Glass Fibre Reinforced Polyester (GRP) Poles

Local Employment
Factory Staff: 210
Admin Staff: 140

Origin
1978: We commenced operations in Namibia. Our products became successfully established in neighbouring South Africa.
1981: We relocated to Olifantsfontein, a strategically positioned industrial town situated between Johannesburg and Pretoria.

Schréder
Experts in lightability™

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2013: We became a wholly owned Schréder company, allowing us to embrace the latest technologies, such as optimising light control technologies, for which Schréder are well renowned.

Inhouse R&D
Our success can be attributed to the research and development of our luminaire and pole ranges, ensuring the appropriate mechanical and thermal product integrity in the environmental conditions of the African continent.

Schréder became SA’s first lighting company to be awarded ISO 9000 certification. This commitment to quality became the company’s hallmark, enabling us to become Africa’s largest lighting manufacturer and market leader in exterior lighting.

Lighting Solution Offer
Motorways | Urban & residential streets | Squares & Pedestrian areas | Large areas | Industrial halls & Warehouses | Accent & Architectural | Bridges | Sport venues | Tunnels & Underpasses

Committed to Save Energy
By combining the best of LED technology with a wide range of control systems, our solutions can offer huge energy savings of up to 85% and radically reduce the payback time of a new installation.
Case Studies

Lighting a large warehouse

Specifications
Area: 11,102 m²
Mounting height: 9 m
Maintenance factor: 0.8

Lighting Power Density (LPD)
While fully meeting the strict specifications, the LEDbay limits the power consumption to 39.96 kW for a total surface of 11,102 m².
It means 3.599 W/m² (LPD). This high efficiency provides 54% energy savings compared to the most efficient luminaires equipped with 400W discharge lamps.

Solution with LEDbay 216W
Results with 185 LEDbay highbays

<table>
<thead>
<tr>
<th>Required levels</th>
<th>Results with LEDbay</th>
</tr>
</thead>
<tbody>
<tr>
<td>Illumination (Eav)</td>
<td>300lx</td>
</tr>
</tbody>
</table>

Measurements done at ground level.

Please note: Above lighting design is for demonstration purposes, please contact us for a detailed lighting design for your application.

Lighting external amenities for industrial applications

<table>
<thead>
<tr>
<th>Quantity</th>
<th>New LED installation</th>
<th>Estimated HID conventional technology equivalent</th>
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</thead>
<tbody>
<tr>
<td>4</td>
<td>ZELA 24LED/53W</td>
<td>125W post top</td>
</tr>
<tr>
<td>2</td>
<td>LEDlume-mini 16LED/37W</td>
<td>70W street light</td>
</tr>
<tr>
<td>9</td>
<td>LEDflood-midi 32LED/70W</td>
<td>150W floodlight</td>
</tr>
<tr>
<td>2</td>
<td>LEDflood-maxi 80LED/174W</td>
<td>250W floodlight</td>
</tr>
<tr>
<td>Total Wattage</td>
<td>1.26kW</td>
<td>2.5kW</td>
</tr>
</tbody>
</table>

Energy Savings

<table>
<thead>
<tr>
<th>Conventional</th>
<th>LED installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>49% Energy Savings</td>
</tr>
<tr>
<td>1.26kW</td>
<td>1.26kW</td>
</tr>
</tbody>
</table>

Please note: Above calculation is for demonstration purposes, please contact us for detailed energy saving and return of investment calculations.
Product Selection

1. OMNIblast-1-E
   Modular LED floodlighting solution
   - IP 66
   - 455 - 495W
   - 55 500 - 59 320lm

2. OMNIblast-2-E
   Modular LED floodlighting solution
   - IP 66
   - 910 - 990W
   - 111 000 - 118 640lm

3. INDU FLOOD
   LED floodlight range
   - IP 66
   - 70 - 205W
   - 10 770 - 30 640lm

4. LEDflood
   High-power LED floodlight range
   - IP 66
   - 54 - 276W
   - 7 676 - 40 078lm

5. OMNistar-midi
   LED floodlight
   - IP 66
   - 108 - 216W
   - 13 990 - 27 980lm

6. LEDbay
   Multi-purpose LED high- and lowbay
   - IP 66
   - 108 - 216W
   - 13 990 - 27 980lm

7. LEDtec-S
   LED lowbay luminaire
   - IP 66
   - 90 - 138W
   - 12 631 - 20 345lm

8. Remote Lighting Lifter
   Maintenance solution for luminaires
   - Max. 100kg
   - Max. 30m

9. LEDnova
   Industrial LED bulkhead range
   - IP 66
   - 20 - 81W
   - 2 631 - 10 493lm

10. BEKANOVA LED
    Decorative LED bulkhead luminaire
    - IP 66
    - 35W
    - 5 460lm

11. BEKABULK LED
    LED bulkhead luminaire
    - IP 65
    - 18W
    - 2 400lm

12. OPTIWAY
    LED bulkhead luminaire
    - IP 66
    - 8 - 13W
    - 900 - 1 630lm
Product Selection

13 BEKA VAPOURLINE
   Industrial LED luminaire
   IP 66
   26 - 46W
   5 000 - 7 780lm

14 ROUGHGUARD LED
   Vandal-proof LED luminaire
   IP 66
   9 - 53W
   1 365 - 7 560lm

15 LEDnova - pole mounting version
   LED floodlight range
   IP 66
   20 - 81W
   2 631 - 10 493lm

16 LEDlume-mini
   High-power LED street light luminaire
   IP 66
   10 - 55W
   1 416 - 6 995lm

17 KAZELLE
   Decorative LED post top
   IP 66
   25 - 55W
   3 150 - 6 300lm

18 ZELA
   Decorative LED post top
   IP 66
   19 - 55W
   2 163 - 6 490lm

19 BEKA LEDpost
   LED bollard luminaire
   IP 66
   14 - 23W
   1 750 - 2 610lm

20 BEKAPOLE
   Glass Fibre Reinforced Polyester pole range
   Max. 14m

21 DUISA
   Emergency LED signage range
   IP 65
   130lm

21 DUISA Signage
   Standard signage