LIGHTING SOLUTIONS FOR SERVICE STATIONS
SAFE AND RELIABLE LIGHTING SOLUTIONS FOR:

- Increased safety and comfort for your customers
- Excellent first impression that will make your petrol station stand out
- Up to 70% energy savings compared to the traditional HID equivalent
- The shortest payback period and less carbon emission

WHERE

- Under canopy
- Road, truck and car parking
- Shop lighting
- Car wash
SOLUTIONS WE PROVIDE:

Making the World Safer
Our expertise is in implementing quality lighting solutions: providing light when and where it is needed. This is a valuable asset to secure an area.

Outside Environments with an Inside Feeling
The attractive, robust and long-lasting designs of our solutions enhance your area and create a strong identity. With us, people enjoy every part of your world!

Thinking about Tomorrow
By combining the best of LED technology with a wide range of control systems, our solutions offer huge energy savings and radically reduce the payback time of a new installation.

Pay Less, Get More
We are constantly using the upmost technological innovations that enable you to minimise your total cost of ownership and provide a short payback time.
BENEFITS

- Up to 70% energy savings compared to a typical HID luminaire
- Little to no maintenance on luminaires
- Excellent light uniformity for increased comfort and security
- Improved visibility of the petrol station
- Green energy and less carbon emissions
If the pre-set lighting levels and dimming profile need to be changed, these can easily be adjusted by an optional remote control. This enables the lighting scenario to be adapted at any time.

**BEKA LEDtec S**
- LED lowbay luminaire
- Power consumption: 90 - 144W
- Lumen: 11 445 - 17 601 lm
- Efficacy: ≥123 lm/W
- Colour temperature: 4 000K
- Operating hours: 90 000 hours (L70)
- CRI: ≥70
- Input Voltage: 108-305V - 50Hz

**BEKA LEDtec**
- LED lowbay luminaire
- Power consumption: 90 - 144W
- Lumen: 11 445 - 17 601 lm
- Efficacy: ≥123 lm/W
- Colour temperature: 4 000K
- Operating hours: 90 000 hours (L70)
- CRI: ≥70
- Input Voltage: 108-305V - 50Hz

**BEKA LEDflare**
- LED lowbay and highbay luminaire
- Power consumption: 90 - 144W
- Lumen: 11 445 - 17 601 lm
- Efficacy: ≥123 lm/W
- Colour temperature: 4 000K
- Operating hours: 100 000 hours (L70)
- CRI: ≥70
- Input Voltage: 108-305V - 50Hz

**MOVEMENT DETECTOR**
The optional movement detector uses a specific lens to determine a detection zone. The standard lens is suitable for most applications. As an option, lenses can be provided for special needs.

**REMOTE CONTROL**
If the pre-set lighting levels and dimming profile need to be changed, these can easily be adjusted by an optional remote control. This enables the lighting scenario to be adapted at any time.

**LED LIGHTING**

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>Qty</th>
<th>Wattage (W)</th>
<th>Total Wattage (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEKA LEDtec 144W</td>
<td>14</td>
<td>144</td>
<td>2 016</td>
</tr>
</tbody>
</table>

**CONVENTIONAL LIGHTING**

<table>
<thead>
<tr>
<th>Equivalent Luminaire</th>
<th>Qty</th>
<th>Wattage (W)</th>
<th>Total Wattage (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEKATEC 400W MH-T</td>
<td>14</td>
<td>432</td>
<td>6 048</td>
</tr>
</tbody>
</table>

**TOTAL SAVINGS**

<table>
<thead>
<tr>
<th><strong>ENERGY SAVINGS</strong></th>
<th>67%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TCO savings over 10 years</strong></td>
<td>R230 000</td>
</tr>
<tr>
<td><strong>ROI</strong></td>
<td>2 years</td>
</tr>
<tr>
<td><strong>CO₂</strong></td>
<td>211 tons</td>
</tr>
</tbody>
</table>

*Total savings calculations are indicative of what can be expected in a typical application using similar products.
**Includes ballast factor*
BENEFITS

- Energy efficiency
- Ease of installation
- Stainless steel housing (long life), to withstand the most corrosive environments
- Electronic temperature monitoring to increase the lifespan of the luminaire
- Movement detector for efficiency and lighting control
### LEDlume range
High-performance LED street light range

<table>
<thead>
<tr>
<th>Power consumption</th>
<th>Lumen</th>
<th>Efficacy</th>
<th>Colour temperature</th>
<th>Operating hours</th>
<th>CRI</th>
<th>Input Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 - 162W</td>
<td>1 183 - 17 922 lm</td>
<td>≥111 lm/W</td>
<td>3 000K or 4 000K</td>
<td>100 000 hours (L70)</td>
<td>≥70</td>
<td>108-305V - 50Hz</td>
</tr>
</tbody>
</table>

### ZELA
Decorative LED post top

<table>
<thead>
<tr>
<th>Power consumption</th>
<th>Lumen</th>
<th>Efficacy</th>
<th>Colour temperature</th>
<th>Operating hours</th>
<th>CRI</th>
<th>Input Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 - 55W</td>
<td>2 163 - 6 490 lm</td>
<td>≥118 lm/W</td>
<td>3 000K or 4 000K</td>
<td>100 000 hours (L70)</td>
<td>≥70</td>
<td>108-305V - 50Hz</td>
</tr>
</tbody>
</table>

### TECEO
Decorative functional LED luminaire

<table>
<thead>
<tr>
<th>Power consumption</th>
<th>Lumen</th>
<th>Efficacy</th>
<th>Colour temperature</th>
<th>Operating hours</th>
<th>CRI</th>
<th>Input Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 - 107W</td>
<td>2 400 - 1 2200 lm</td>
<td>≥114 lm/W</td>
<td>4 000K</td>
<td>100 000 hours (L90)</td>
<td>≥70</td>
<td>230V - 50Hz</td>
</tr>
</tbody>
</table>

### OMNIstar
High-power LED floodlight

<table>
<thead>
<tr>
<th>Power consumption</th>
<th>Lumen</th>
<th>Efficacy</th>
<th>Colour temperature</th>
<th>Operating hours</th>
<th>CRI</th>
<th>Input Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>322 - 470W</td>
<td>40 781 - 61 681 lm</td>
<td>≥108 lm/W</td>
<td>4 000K</td>
<td>100 000 hours (L70)</td>
<td>≥70</td>
<td>108-305V - 50Hz</td>
</tr>
</tbody>
</table>

### BEKA LEDpost
LED bollard luminaire

<table>
<thead>
<tr>
<th>Power consumption</th>
<th>Lumen</th>
<th>Efficacy</th>
<th>Colour temperature</th>
<th>Operating hours</th>
<th>CRI</th>
<th>Input Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 - 23W</td>
<td>1 520 - 2 280 lm</td>
<td>≥99 lm/W</td>
<td>3 000K or 5 000K</td>
<td>100 000 hours (L70)</td>
<td>≥70</td>
<td>198-265V - 50Hz</td>
</tr>
</tbody>
</table>

### BEKAPOLE
Glass Fibre Reinforced Polyester (GRP) Pole

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**What Lighting Solutions and Case Study**

Total savings calculations are indicative of what can be expected in a typical application using similar products.

**Total Cost of Ownership**

**Return on Investment**

**Equivalent Carbon Dioxide**

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**LED LIGHTING**

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>Qty</th>
<th>Wattage (W)</th>
<th>Total Wattage (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZELA 37W</td>
<td>9</td>
<td>37</td>
<td>333</td>
</tr>
<tr>
<td>BEKA SERIES 30 LED 20W</td>
<td>9</td>
<td>20</td>
<td>180</td>
</tr>
</tbody>
</table>

**CONVENTIONAL LIGHTING**

<table>
<thead>
<tr>
<th>Equivalent Luminaire</th>
<th>Qty</th>
<th>Wattage (W)</th>
<th>Total Wattage (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEKARAY 125W MV</td>
<td>9</td>
<td>140</td>
<td>1 260</td>
</tr>
<tr>
<td>BEKA SERIES 30 2*18W CFL</td>
<td>9</td>
<td>39</td>
<td>351</td>
</tr>
</tbody>
</table>

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**TOTAL SAVINGS**

- **Energy Savings**: 68%
- **CO₂ Savings over 10 years**: 57 tons
- **ROI**: 0.3 years

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*Total savings calculations are indicative of what can be expected in a typical application using similar products.*

**Includes ballast factor**

- **1** Total Cost of Ownership
- **2** Return on Investment
- **3** Equivalent Carbon Dioxide
Energy efficient luminaires, with increased lifetime
True white light that keeps product packaging looking its best
White opaque cover to reduce glare
Durable designs that are easy to install
Dimmable options to increase efficiency
**DARI LED ceiling panel**

- **Power consumption**: 35 - 70W
- **Lumen**: 3 666 - 7 332 lm
- **Efficacy**: 4 005 lm/W
- **Colour temperature**: 4 005K
- **Operating hours**: 50 000 hours (L70)
- **CRI**: 280
- **Input Voltage**: 230V - 50Hz

**BEKALED disk-midi**

- **Power consumption**: 16W
- **Lumen**: 1 800 lm
- **Efficacy**: 4 212 lm/W
- **Colour temperature**: 4 005K
- **Operating hours**: 100 000 hours (L70)
- **CRI**: 189-265V - 50Hz
- **Input Voltage**: 230V - 50Hz

**BEKARONDO LED**

- **Power consumption**: 10 - 22W
- **Lumen**: 1 000 - 2 000 lm
- **Efficacy**: 3 005 lm/W
- **Colour temperature**: 3 005K or 4 005K
- **Operating hours**: 60 000 hours (L70)
- **CRI**: 280
- **Input Voltage**: 230V - 50Hz

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**BEKA SOLO**

- **Decorative LED downlight range**

- **Power consumption**: 8 - 12W
- **Lumen**: 570 - 920 lm
- **Efficacy**: 237 lm/W
- **Colour temperature**: 3 000K or 4 000K
- **Operating hours**: 50 000 hours (L70)
- **CRI**: 280
- **Input Voltage**: 230V - 50Hz

**VAPOURLINE LED**

- **Industrial LED luminaire**

- **Power consumption**: 40 - 65W
- **Lumen**: 4 710 - 8 100 lm
- **Efficacy**: 124 lm/W
- **Colour temperature**: 4 000K
- **Operating hours**: 50 000 hours (L70)
- **CRI**: 270
- **Input Voltage**: 230V - 50Hz

**LISU**

- **Emergency LED signage range**

**BEKA LEDnova**

- **LED bulkhead**

- **Power consumption**: 20 - 31W
- **Lumen**: 2 064 - 8 960 lm
- **Efficacy**: 111 lm/W
- **Colour temperature**: 3 000K or 4 000K
- **Operating hours**: 100 000 hours (L70)
- **CRI**: 270
- **Input Voltage**: 108-305V - 50Hz

**BEKA Series LED**

- **LED Bulkheads**

- **Power consumption**: 10 - 20W
- **Lumen**: 1 000 - 2 000 lm
- **Efficacy**: 120 lm/W
- **Colour temperature**: 3 000K or 4 000K
- **Operating hours**: 50 000 hours (L70)
- **CRI**: 270
- **Input Voltage**: 230V - 50Hz

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**LED LIGHTING**

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>Qty</th>
<th>Wattage (W)</th>
<th>Total Wattage (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DARI 600 x 600 35W</td>
<td>76</td>
<td>35</td>
<td>2 660</td>
</tr>
<tr>
<td>BEKA VAPOURLINE LED 65W</td>
<td>8</td>
<td>65</td>
<td>520</td>
</tr>
<tr>
<td>BEKA SOLO 12W</td>
<td>25</td>
<td>12</td>
<td>300</td>
</tr>
</tbody>
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**CONVENTIONAL LIGHTING**

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<th>Equivalent Luminaire</th>
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<tbody>
<tr>
<td>LBR 18W</td>
<td>76</td>
<td>59</td>
<td>4 484</td>
</tr>
<tr>
<td>BEKA ECOLUX 2 58W</td>
<td>8</td>
<td>123</td>
<td>984</td>
</tr>
<tr>
<td>Halogen 50W</td>
<td>25</td>
<td>50</td>
<td>1 250</td>
</tr>
</tbody>
</table>

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*Includes ballast factor

1 Total Cost of Ownership
2 Return on Investment
3 Equivalent Carbon Dioxide

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**TOTAL SAVINGS**

- **Energy savings**: 48%
- **TCO Savings over 10 years**: R356 883
- **ROI**: 1.7 years
- **CO2**: 307 tons
BENEFITS

- Energy efficiency
- Longer operating time
- Increased safety and comfort for car wash customers
- Increased profitability
**TOTAL SAVINGS**

**ENERGY SAVINGS** 37%

**TCO Savings over 10 years** R7 666

**ROI** 3 years

**CO₂** 2 146 tons

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**LED LIGHTING**

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<tbody>
<tr>
<td>BEKA VAPOURLINE LED 40W</td>
<td>10</td>
<td>65</td>
<td>650</td>
</tr>
<tr>
<td>BEKA SERIES 30 LED 10W</td>
<td>12</td>
<td>10</td>
<td>120</td>
</tr>
</tbody>
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**CONVENTIONAL LIGHTING**

<table>
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<tr>
<th>Equivalent Luminaire</th>
<th>Qty</th>
<th>Wattage (W)**</th>
<th>Total Wattage (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEKA ROUGHLUX 2*36W</td>
<td>10</td>
<td>85</td>
<td>850</td>
</tr>
<tr>
<td>BEKA SERIES 30 1*260W CFL</td>
<td>12</td>
<td>31</td>
<td>372</td>
</tr>
</tbody>
</table>

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**Notes:**

*Total savings calculations are indicative of what can be expected in a typical application using similar products.

** Includes ballast factor

1 Total Cost of Ownership

2 Return on Investment

3 Equivalent Carbon Dioxide