

# LEDNOVA

Robust and highly reliable LED bulkhead range



LEDNOVA-MINI  
(Painted version)



LEDNOVA-MIDI  
(Painted version)



For project details



**LOCALLY**  
manufactured



IP 66

Up to  
IK 10

Up to  
20kV



CONTROL



CIRCLE  
LIGHT



# Key advantages

- Designed and manufactured in South Africa
- Designed to operate LED light sources of up to 81W without reducing the useful lifetime of up to 100 000 hours, at a lumen depreciation of not more than 10% (L90B10)
- Ta of up to 45°C (Not applicable to all configurations)
- Slim, aesthetical design optimised for LED characteristics
- Designed to replace conventional HID and CFL bulkhead luminaires
- Easy to install
- Surge protection 10kV/10kA
- Available in Zone 1 version
- Available in battery back-up and Zone 2 and 21/22 versions
- Circular economy 3-star rating
- 5-year warranty (Terms and conditions apply)

## Characteristics

### GENERAL INFORMATION

|                                  |                                                                  |                                      |                             |
|----------------------------------|------------------------------------------------------------------|--------------------------------------|-----------------------------|
| Testing standard                 | SANS 60598, SANS 62262                                           |                                      |                             |
| Housing                          | Marine grade high-pressure die-cast aluminium (EN 1706 AC-44300) |                                      |                             |
| Protector                        | Glass                                                            | High-impact polycarbonate (optional) |                             |
| Housing finish                   | Unpainted aluminium                                              |                                      |                             |
| Standard mounting                | Wall/ceiling mounting                                            | Pole mounting (optional)             | Stirrup mounting (optional) |
| Nominal voltage                  | 90-305V – 50Hz (Universal voltage)                               |                                      | 230V +3%/-10% - 50Hz        |
| Surge protection                 | 10kV / 10kA                                                      |                                      | 20kV / 20kA (optional)      |
| Operating temperature range (Ta) | -35°C up to +45°C                                                |                                      |                             |

| LEDNOVA                         | MINI                                                                                 | MIDI     |
|---------------------------------|--------------------------------------------------------------------------------------|----------|
| Wattage (up to)                 | 81W                                                                                  | 77W      |
| Nominal flux (up to)            | 12,379lm                                                                             | 12,495lm |
| Luminaire output flux (up to)   | 10,275lm                                                                             | 10,371lm |
| Luminaire efficacy (up to)      | 143lm/W                                                                              | 149lm/W  |
| Colour temperature              | 4000K (Neutral white 740); 3000K (Warm white 730); 5700K (Cool white 757)<br>CRI ≥70 |          |
| Lifetime of the LEDs @Tq 25°C   | Up to 100,000h - L90B10                                                              |          |
| Lifetime of the Driver @Tq 25°C | 100,000h ≤10% failure rate                                                           |          |



HAULAGE  
LIGHTING



INDUSTRIAL  
HALLS &  
WAREHOUSES



INDUSTRIAL  
HARBOUR



RECLAIMER



CONVEYOR BELT



WAREHOUSE

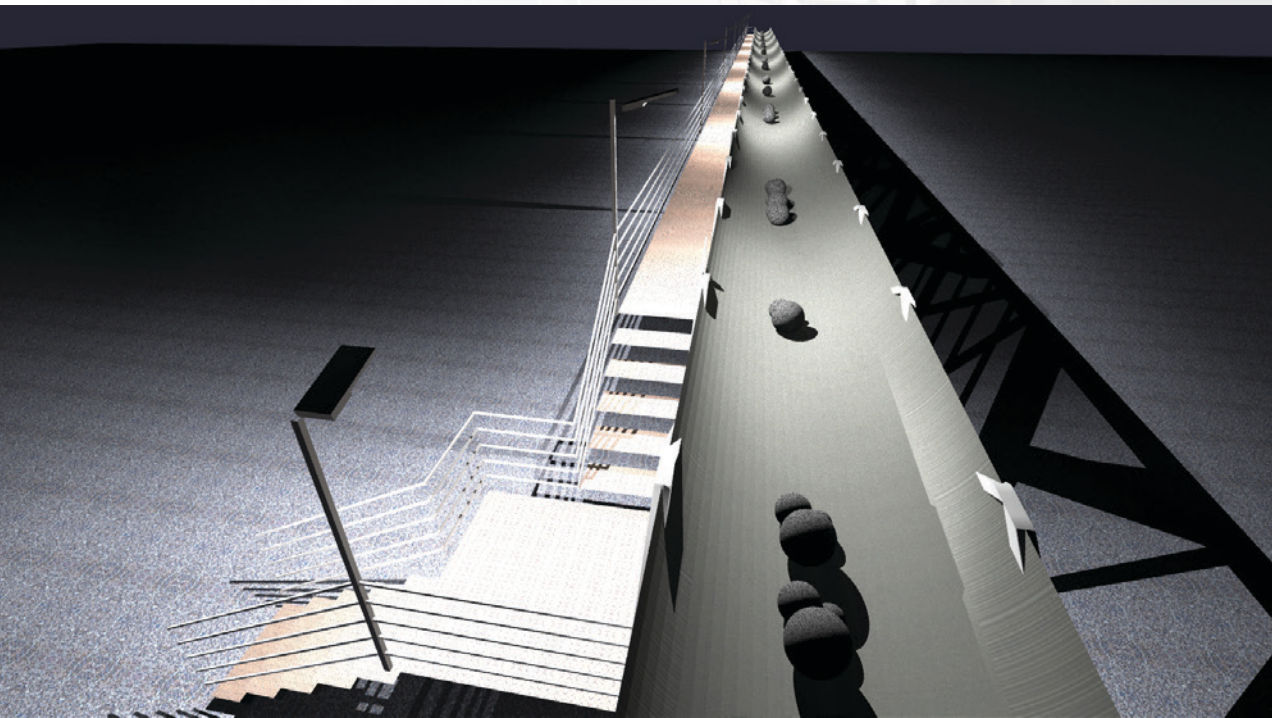


ASSEMBLY LINE



LOADING BAY

# Case Study: Lighting a conveyor with walkway



|                                | Bulkhead fitted with<br>100W High-Pressure<br>Sodium Lamp | LEDNOVA-MINI | Energy Savings |                                         |
|--------------------------------|-----------------------------------------------------------|--------------|----------------|-----------------------------------------|
|                                |                                                           |              | 100W<br>HPS/E  | LEDNOVA-<br>MINI                        |
| Luminaire power<br>consumption | 115W                                                      | 36W          | 100%           | 69%<br>Energy<br>Savings <sup>(*)</sup> |
| Spacing between<br>luminaires  | 11m                                                       | 12m          |                |                                         |
| Total quantity                 | 9                                                         | 9            |                |                                         |
| Total power<br>consumption     | 1035W                                                     | 324W         | 115W           | 31%<br>36W                              |

<sup>(\*)</sup>Optic 5424, optimised design based on specifications. Additional savings can be generated by integrating smart control systems.

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

# BEKA Schröder

Experts in lightability™

**SABS**  
ISO 9001



[www.beka-schreder.co.za](http://www.beka-schreder.co.za)

Designed and manufactured by BEKA Schröder (Pty) Ltd



**LOCALLY**  
manufactured

2024-06

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