REGINA
HIGH BAY LUMINAIRE

High efficacy
Modularity
Operation in extreme ambient temperatures
Serviceability
REGINA is a high efficacy LED luminaire with system high efficiency of 152lm/W. Optimized for general illumination of industrial and warehouse facilities, for installation on big heights.

ADVANTAGES
The combination of electrical and optical efficiency of the whole system, with a choice of different light distributions depending on the installation height and type of application. Significantly reduces required installed power compared to the luminaires with standard light sources. Integration in centralized control system can reduce power consumption, significantly shortening payback period.

Considering long life of all components, there is no need for maintenance during lifetime of luminaire, which leads to minimization of ownership cost.
**CONSTRUCTION** Modular housing made of extruded aluminum. Die-cast heat sink can be multiplied for different power packages.

Watertight modules consist of high efficiency mid-power LEDs integrated into a heatsink with lens and gasket.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Ingress protection rating</td>
<td>IP65</td>
</tr>
<tr>
<td>Impact resistance</td>
<td>IK08</td>
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<tr>
<td>HT high temperature, -20°C up to +65°C</td>
<td>11500lm, 23000lm, 46000lm</td>
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<tr>
<td>HE high efficiency</td>
<td>14978lm, 29955lm, 59910lm</td>
</tr>
<tr>
<td>HO high output</td>
<td>21933lm, 43866lm, 87731lm</td>
</tr>
<tr>
<td>Housing</td>
<td>Die casted and extruded aluminum</td>
</tr>
<tr>
<td>Powder coating</td>
<td>RAL 9006</td>
</tr>
<tr>
<td>Light colour temperature / CRI</td>
<td>4000K (6500K on request) / &gt;80</td>
</tr>
<tr>
<td>LED service life</td>
<td>&gt;60.000h (L80B10) SDCM 3</td>
</tr>
<tr>
<td>Control gear</td>
<td>ECG, DALI Programable</td>
</tr>
<tr>
<td>Driver efficiency</td>
<td>&gt;90%</td>
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</tbody>
</table>
OPTICAL CHARACTERISTICS The distribution of light is defined by TIR lens made of PC. Design of lenses allows good lighting uniformity and reduces glare to UGR<22.

OPTICAL CHARACTERISTICS

**WIDE**
Appropriate for open space production halls, ceiling heights h= 8–20 m

**ELYPTICAL**
Appropriate for high bay warehouses, ceiling heights h= 8–20 m

ONE LUMINAIRE/ THREE TYPES OF OPTICS/ ALL PRODUCTION AND WAREHOUSE SPACES
Two types of optics enable application of luminaire in different spaces of various volumes and requirements, from industrial production plants to high bay warehouses. Optimal illumination with glare limitation UGR< 22, according to the standard for workplace illumination EN 12464-1. Additional safety aspect is no stroboscope effect on rotating parts of production machinery.
THERMAL PROPERTIES

Aluminum heatsink with vertical ribs promotes an air flow that cools the LEDs and allows smooth operation of lamps at extreme ambient temperatures, ranging from -20°C to +65°C. Overheating protection on the driver. The separation of light module and control gear prevents heat transfer to control gear, ensuring its longevity and reliability.

REGINA 2 HT | HE | HO
LED Line units: 2
System luminous flux (lm@Ta=25°C): 11500lm | 14978lm | 21933lm
System power consumption: 76W | 110W | 159W
Dimension A×B×h: 415×384×65mm
Weight: 5kg

REGINA 4 HT | HE | HO
LED Line units: 4
System luminous flux (lm@Ta=25°C): 23000lm | 29955lm | 43866lm
System power consumption: 151W | 200W | 318W
Dimension A×B×h: 769×415×65mm
Weight: 9.5kg

REGINA 8 HT | HE | HO
LED Line units: 8
System luminous flux (lm@Ta=25°C): 46000lm | 59910lm | 87731lm
System power consumption: 302W | 401W | 636W
Dimension A×B×h: 769×830×65mm
Weight: 16kg

MODULARITY

HT - high temperature, -20°C up to +65°C
HE - high efficiency
HO - high output

HT - high temperaturc, -20°C up to +65°C
HE - high efficiency
HO - high output

-25°C
+50°C
-20°C up to +55°C
PIR sensor, integrated
Overheating protection on LED modules
Operating in extreme ambient temperature -20°C up to +65°C
Impact-resistant fulfilling IK08
HT - high temperature, -20°C up to +65°C
HE - high efficiency
HO - high output
-20°C up to +55°C

Ballproof test – for sport facilities
Food covers should be ordered to meet HACCP requirements
Resistant to chemicals and oily atmospheres
Recessed housing – for petrol station
Integrated sensor HB

Various mounting equipment allows fast and easy installation for different applications.
Electrical connection via mounted quick connector (male-female). NO OPENING OF THE LUMINAIRE NECESSARY.

MAINTENANCE

Spring locks allow tool-free access to control gear.

BALAST EASILY ACCESSABLE AND CHANGEABLE

MOUNTING

SUSPENDED

CEILING MOUNTED

TRACK

WALL MOUNTED

SERVICEABILITY

OPTIONS

BALLPROOF