



# REGINA

HIGH BAY LUMINAIRE



High efficacy  
Modularity  
Operation in extreme ambient temperatures  
Serviceability

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**REGINA** is 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.

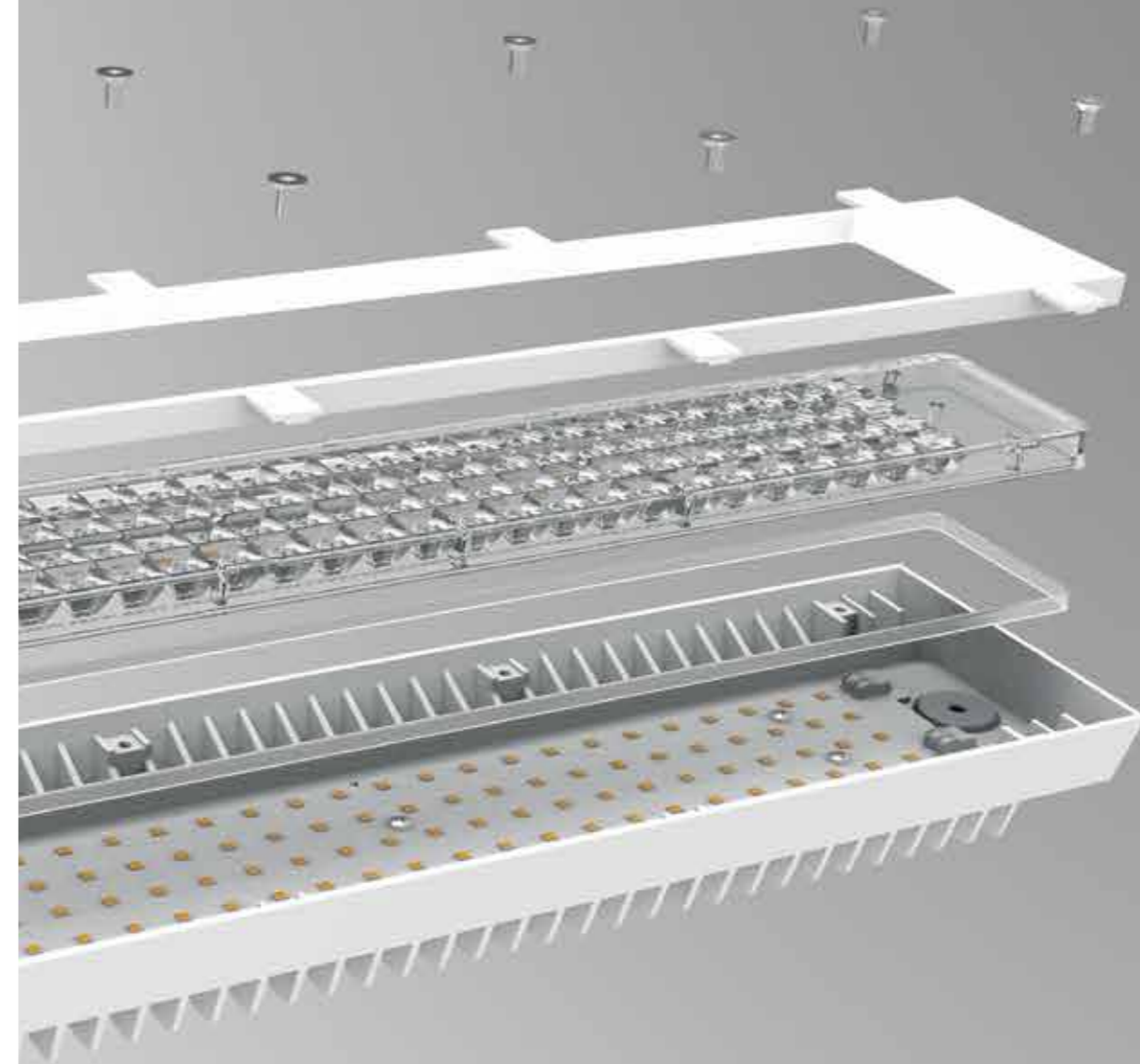
Considering long life of all components, there is no need for maintenance during lifetime of luminaire, which leads to minimization of ownership cost.



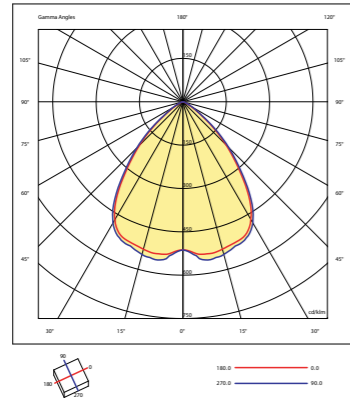
<b>Ingress protection rating</b>	IP65
<b>Impact resistance</b>	IK08
<b>HT high temperature, -20°C up to +65°C</b>	11500lm, 23000lm, 46000lm
<b>HE high efficiency</b>   -20°C up to +55°C	14978lm, 29955lm, 59910lm
<b>HO high output</b>   -20°C up to +55°C	21933lm, 43866lm, 87731lm
<b>Housing</b>	Die casted and extruded aluminum
<b>Powder coating</b>	RAL 9006
<b>Light colour temperature / CRI</b>	4000K (6500K on request) / >80
<b>LED service life</b>	>60.000h (L80B10) SDCM 3
<b>Control gear</b>	ECG, DALI Programmable
<b>Driver efficiency</b>	>90%

**CONSTRUCTION** Modular housing made of extruded aluminum. Die-casted heat sink can be multiplied for different power packages.

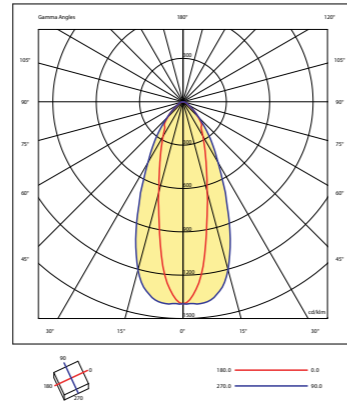
Watertight modules consist of high efficiency mid- power LEDs integrated into a heatsink with lens and gasket.



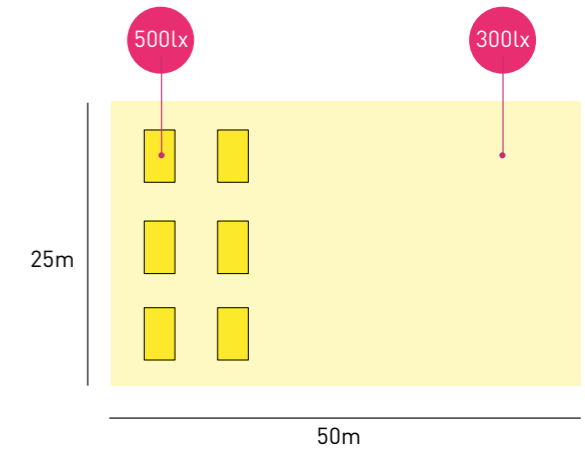
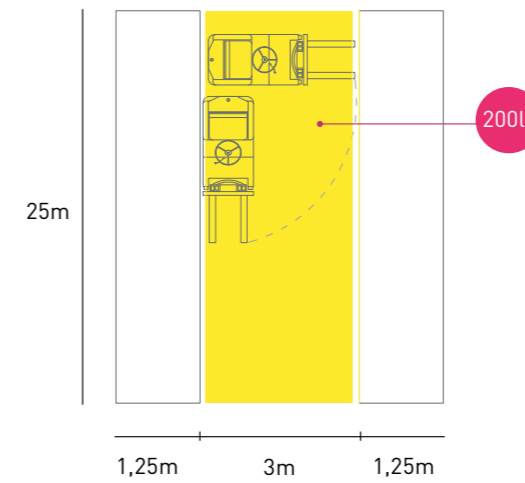
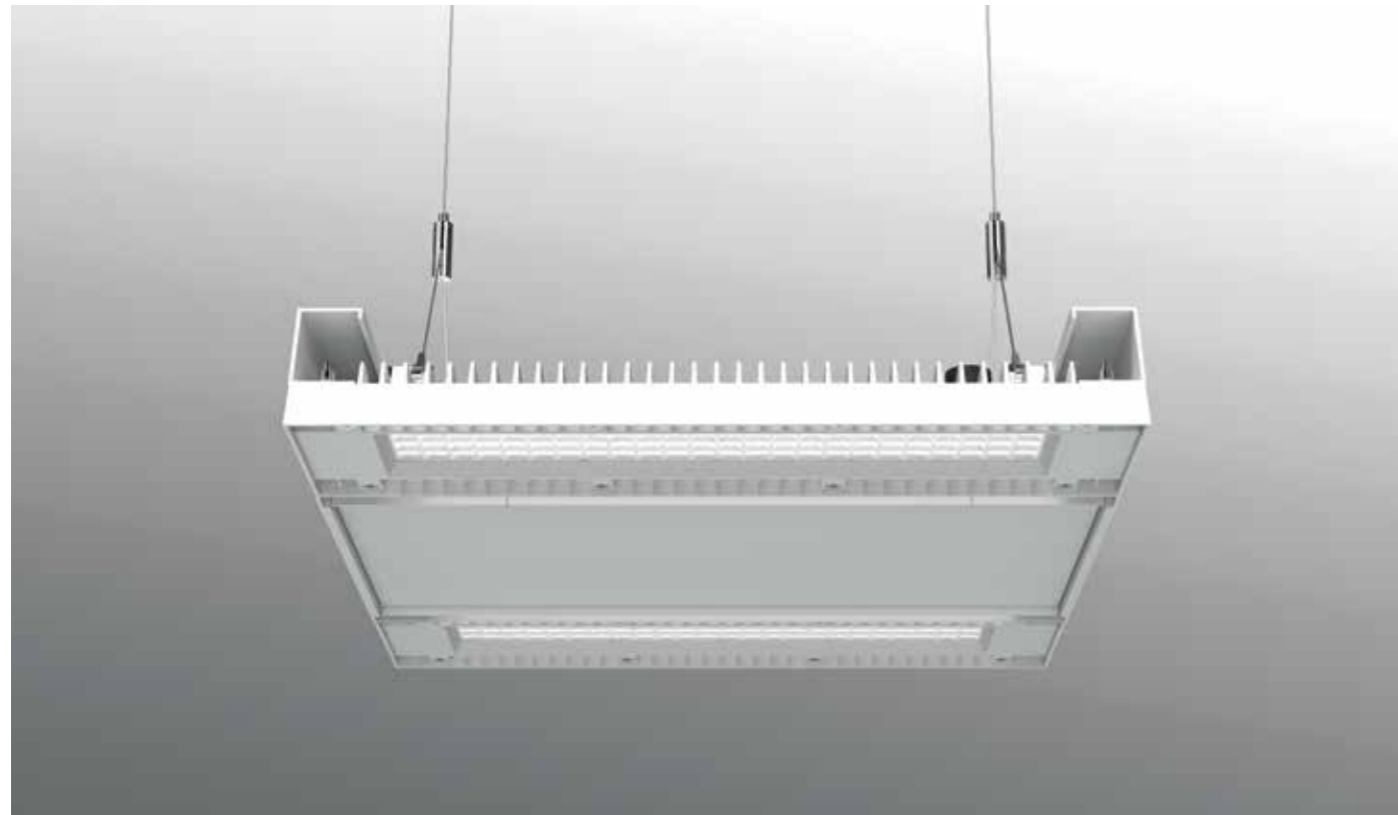
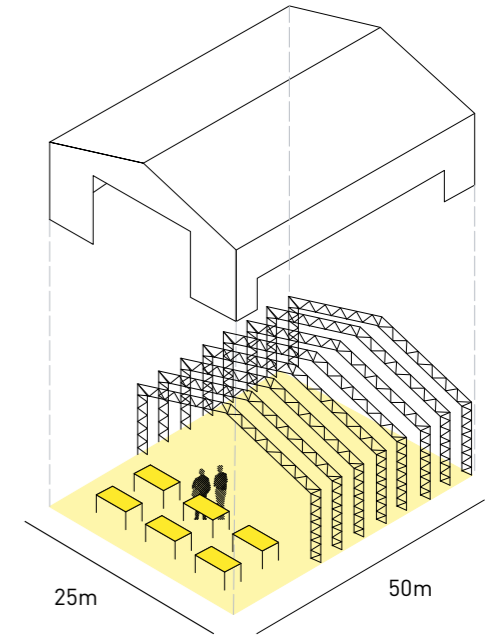
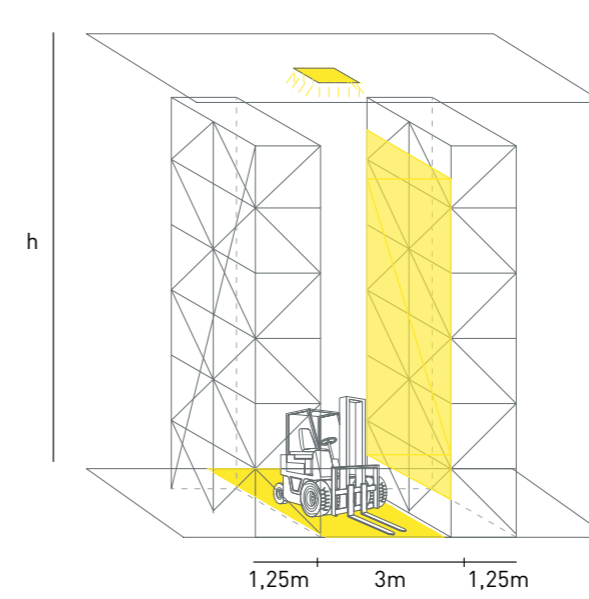
**OPTICAL CHARACTERISTICS** The distribution of light is defined by TIR lens made of PC. Design of lenses allows good lighting uniformity and reduces glare to UGR<22.



**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**

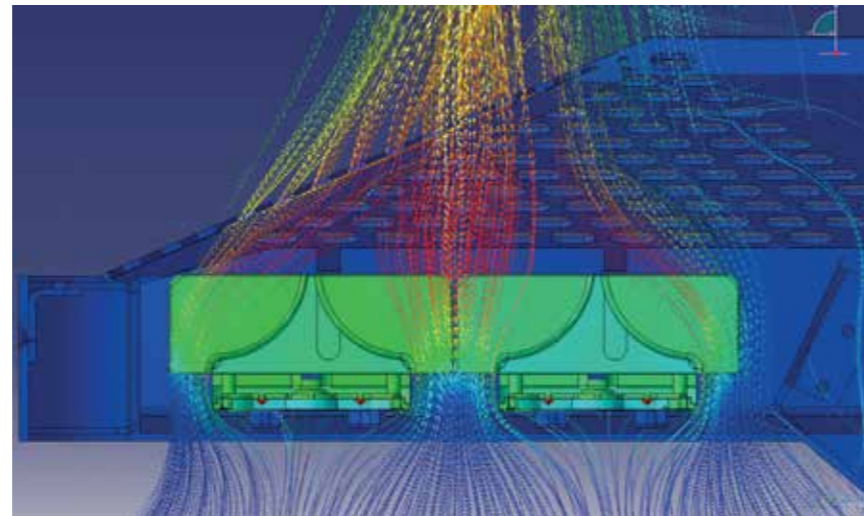
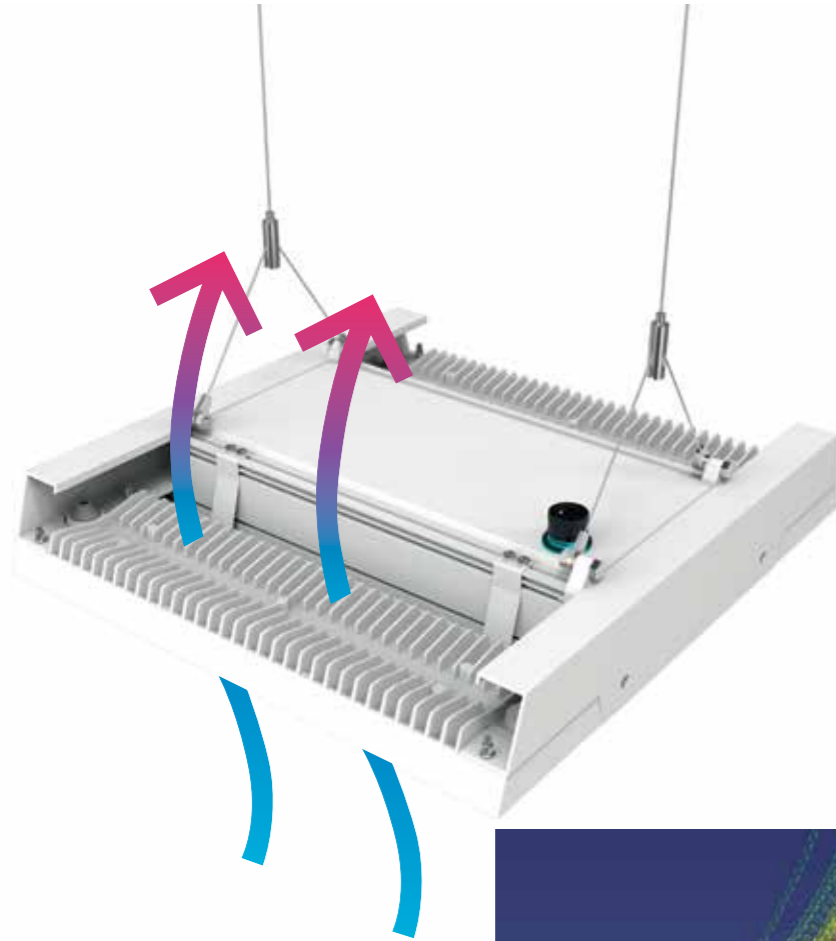


**ONE LUMINAIRE/ THREE TYPES OF OPTICS/ ALL PRODUCTION AND WAREHOUSE SPACES**

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.



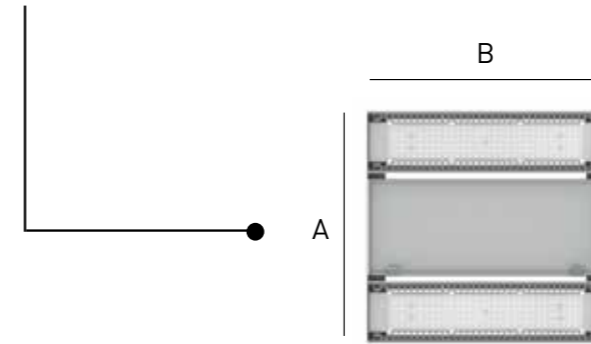
**THERMAL PROPERTIES** Aluminum heatsink with vertical ribs promotes an air flow that cools the LEDs and allows smooth operation of lamps at extreme ambient temperatures, ranging from -20°C to +65°C. Overheating protection on the driver. The separation of light module and control gear prevents heat transfer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



# MODULARITY

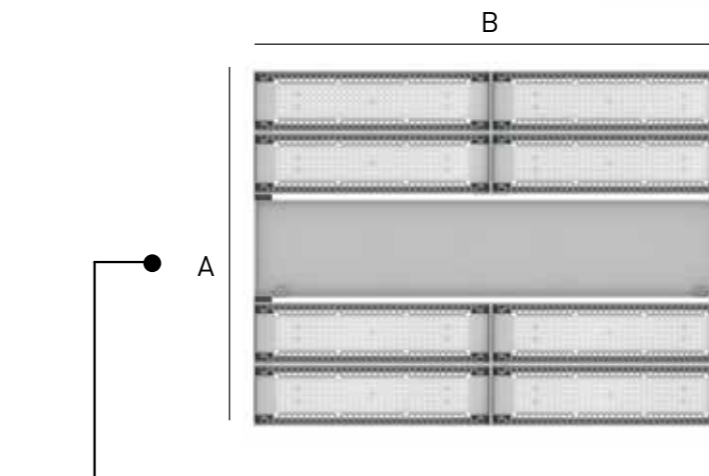
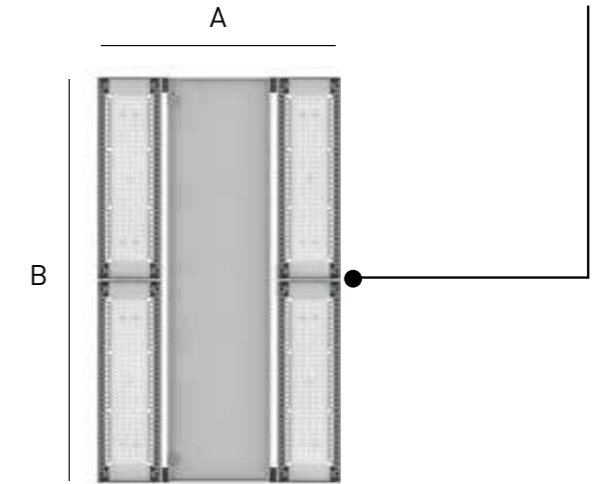
## REGINA 2 HT | HE | HO

LED Line units: 2  
 System luminous flux (lm@ Ta=25°C): 11500lm | 14978lm | 21933lm  
 System power consumption: 76W | 100W | 159W  
 Dimension AxBxh: 415x384x65mm  
 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 AxBxh: 769x415x65mm  
 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 AxBxh: 769x830x65mm  
 Weight: 16kg

HT - high temperature, -20°C up to +65°C  
 HE - high efficiency | -20°C up to +55°C  
 HO - high output

**MOUNTING** 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.**



**SUSPENDED**



**CEILING MOUNTED**



**TRACK**



**WALL MOUNTED**

**MAINTENANCE** Spring locks allow tool-free access to control gear.

**BALAST EASILY ACESABLE AND CHANGEABLE**



**BALLPROOF**

# OPTIONS

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

