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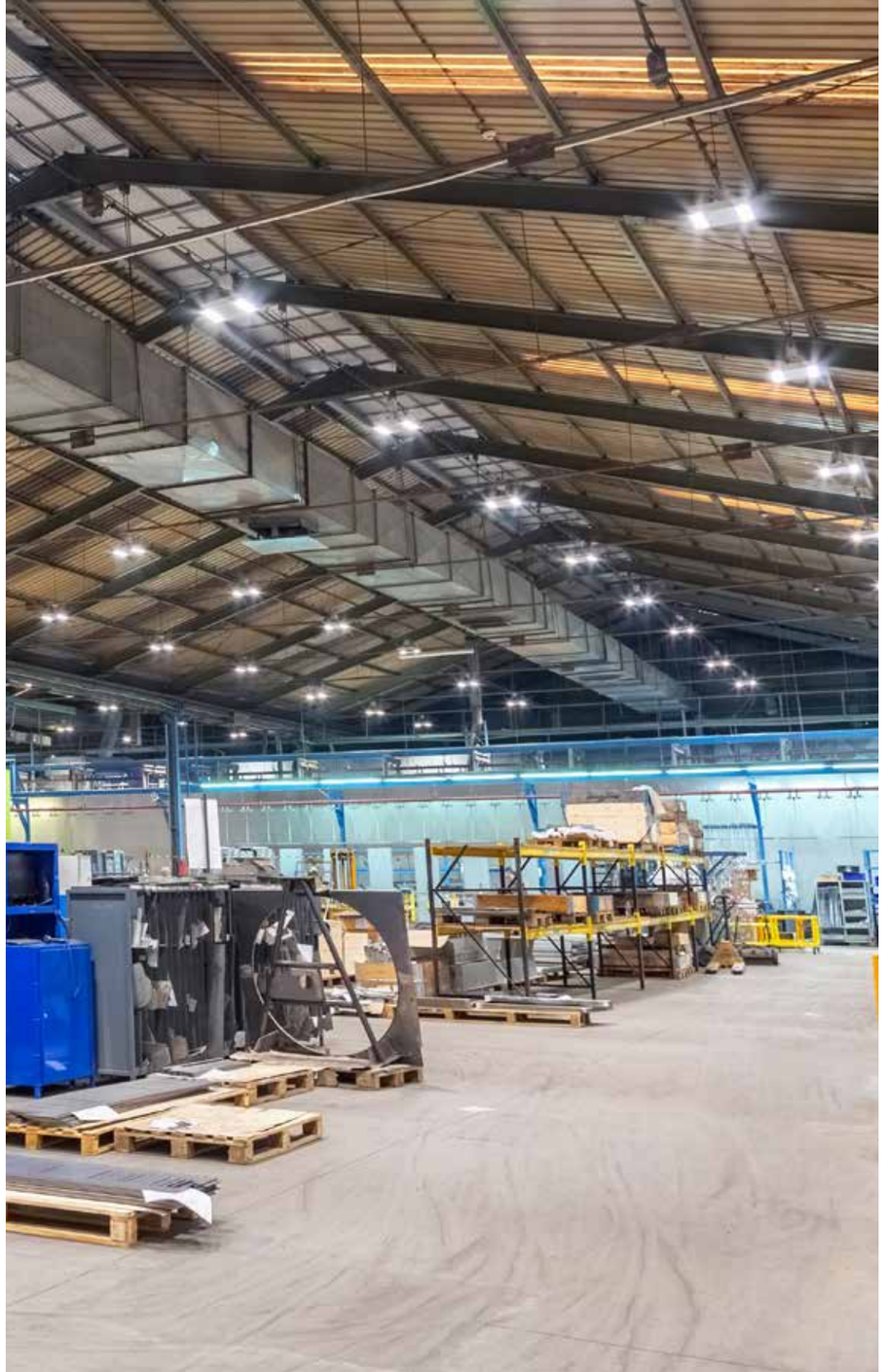


REGINA

HIGH BAY LUMINAIRE

High efficacy
Modularity
Operation in extreme ambient temperatures
Serviceability

www.buck.lighting

BUCK

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.

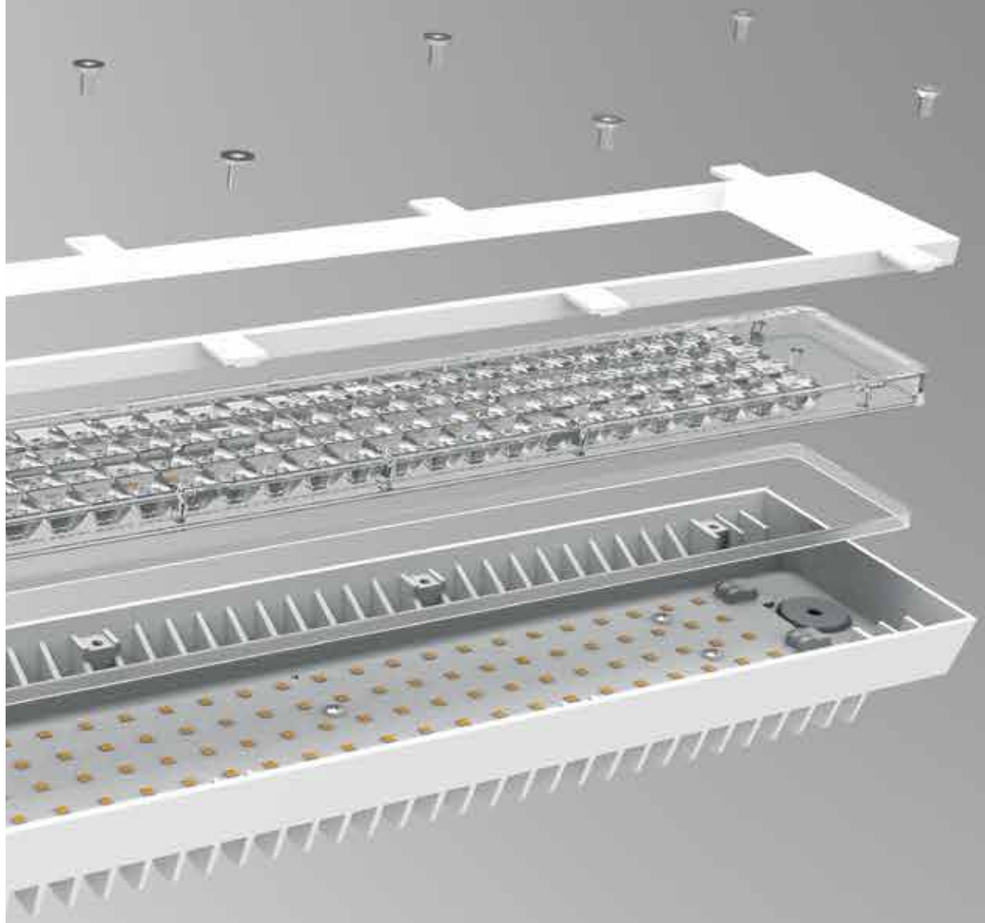
ADVANTAGES The combination of electrical and optical efficiency of the whole system, with a choice of different light distributions depending on the installation height and type of application. Significantly reduces required installed power compared to the luminaires with standard light sources. Integration 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.

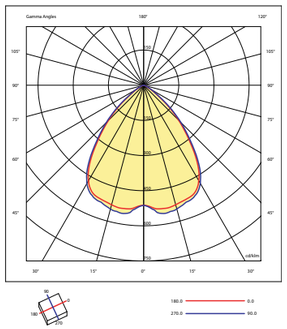
Ingress protection rating		IP65
Impact resistance		IK08
HT high temperature, -20°C up to +65°C		11500lm, 23000lm, 46000lm
HE high efficiency	**-20°C up to +55°C**	14978lm, 29955lm, 59910lm
HO high output		21933lm, 43866lm, 87731lm
Housing		Die casted and extruded aluminum
Powder coating		RAL 9006
Light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

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

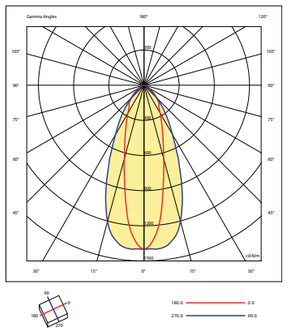
Watertight modules consist of high efficiency mid- power LEDs integrated into a heatsink with lens and gasket.



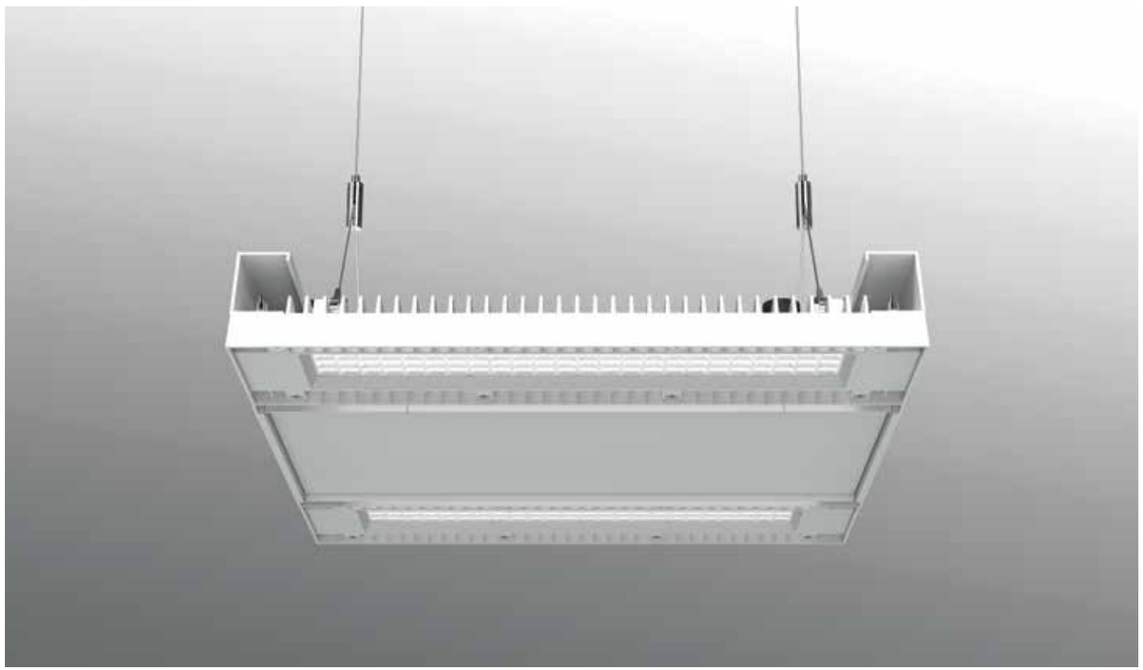
OPTICAL CHARACTERISTICS The distribution of light is defined by TIR lens made of PC. Design of lenses allows good lighting uniformity and reduces glare to UGR<22.

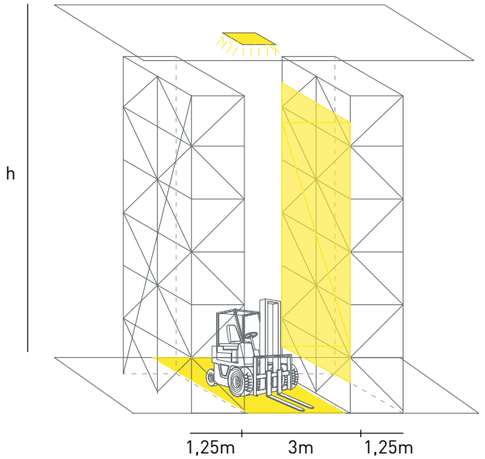


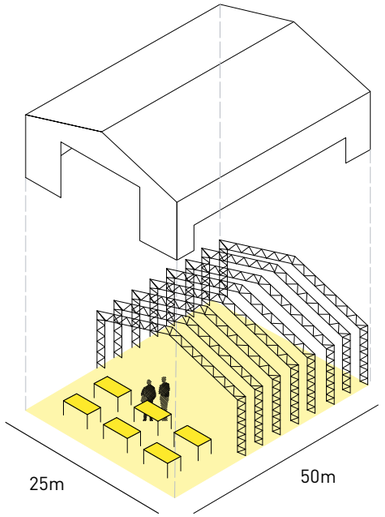
WIDE
Appropriate for open space production halls, ceiling heights
h= 8–20 m

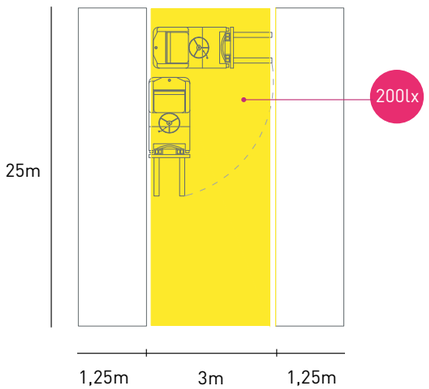


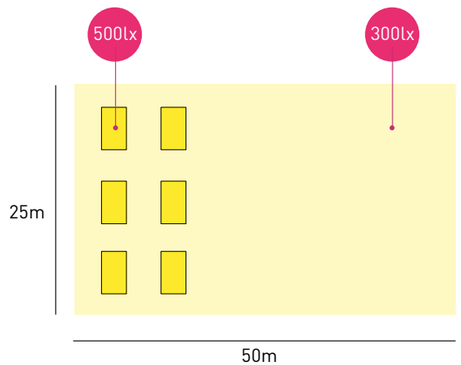
ELYPTICAL
Appropriate for high bay warehouses, ceiling heights
h= 8–20 m





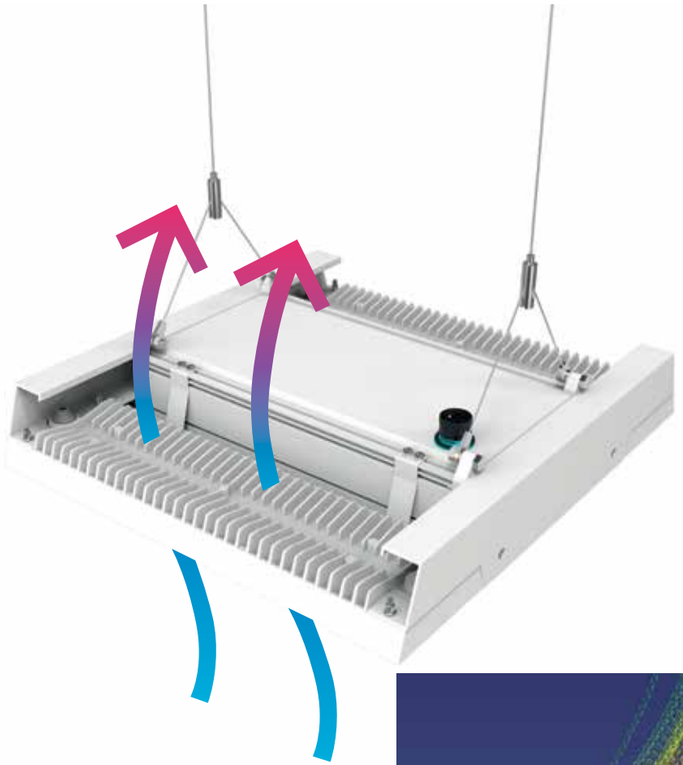


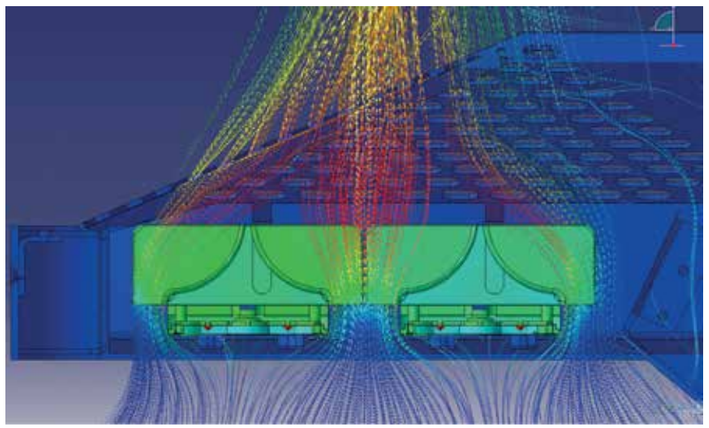




ONE LUMINAIRE/ THREE TYPES OF OPTICS/ ALL PRODUCTION AND WAREHOUSE SPACES
Two types of optics enable application of luminaire in different spaces of various volumes and requirements, from industrial production plants to high bay warehouses. Optimal illumination with glare limitation UGR< 22, according 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.





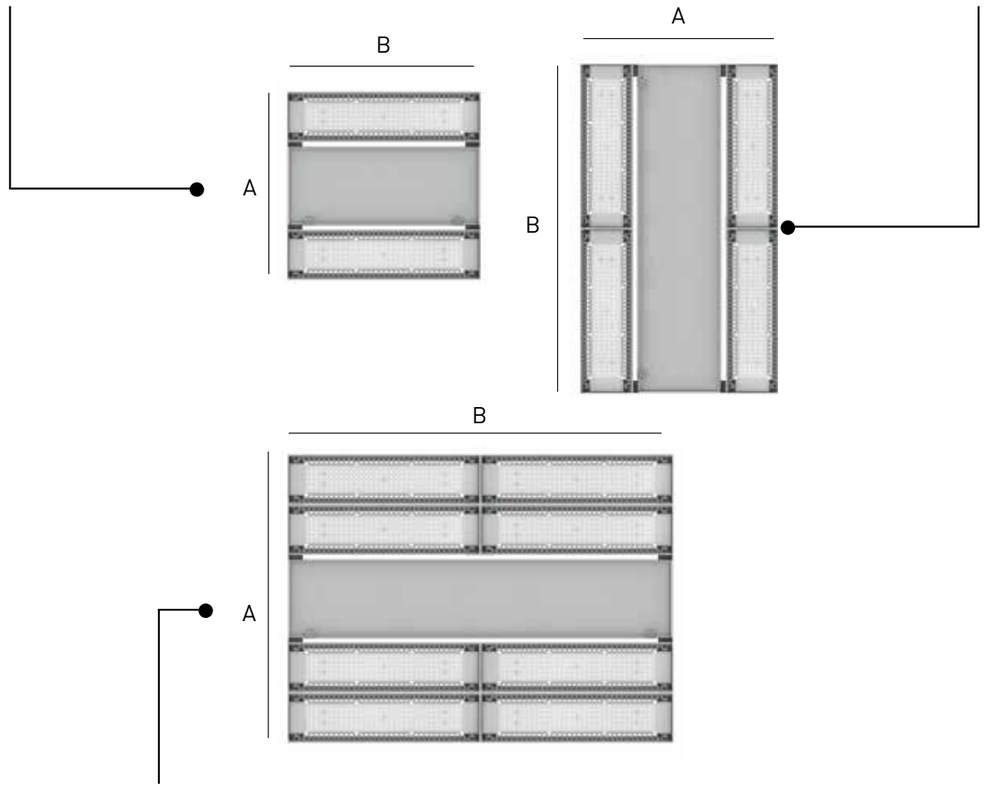
MODULARITY

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 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

HT - high temperatrue, -20°C up to +65°C

HE - high efficiency

HO - high output

-20°C up to +55°C

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

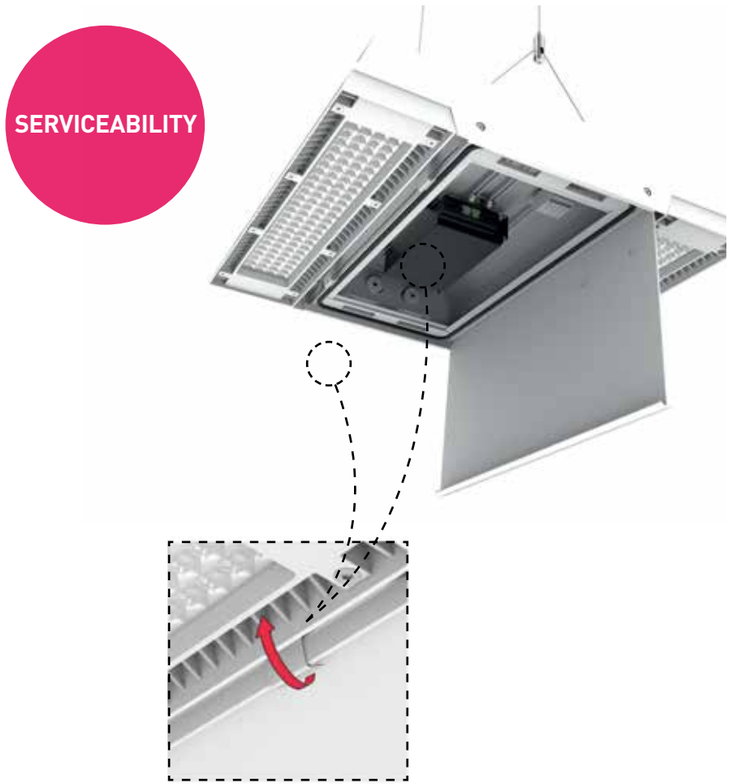
TRACK

WALL MOUNTED

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

BALAST EASILY ACCESABLE AND CHANGEABLE

SERVICEABILITY



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
- HO - high output

-20°C up to +55°C

- 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