LUMITEAM
RELIABLE LIGHTING

BEETLE II
HIGH TEMPERATURE

INDUSTRIAL LED LUMINAIRE ADAPTED
FOR HIGH TEMPERATURES (UP TO 70°C*)

BEETLE II HIGH TEMPERATURE is a luminaire designed for industrial environments with high temperatures. It is based on the reliable thermal construction of the BEETLE II LED HIGH BAY, known for its exceptional heat dissipation capability. This fixture has been enhanced with an upgraded LED module and power system. By introducing a LED module based on ceramic diodes, the maximum operating temperature of the fixture has significantly increased. Our solution allows for mounting the luminaire in rooms with a maximum ambient temperature of up to 70°C*. BEETLE II HIGH TEMPERATURE is characterized by high power and a high light output, as well as excellent light efficiency, resulting in immediate savings. Additionally, the lighting module is equipped with a QUICK CONNECT SYSTEM.

*Max. ambient temperature of 70°C cannot occur continuously.

TECHNICAL DATA

Light source	ceramic LED diodes
Power consumption	60 - 300 W
Luminaire luminous flux	8 500 - 40 000 lm
Luminaire efficacy	125 - 151 lm/W
Colour temperature	4 000 K, 5 700 K
Colour rendering index (CRI)	>70, >80
Lumen maintenance output	60 000h (L80B10)
Operating temperature*	-40°C do +70°C*
Beam angles	20°, 30°, 60°, 90°, asymmetric
Material	high-pressure die-cast aluminium
Box	powder coating
Finish	white
Colour	PMMA
Optics	tempered glass
Glass	IP67
Ingress protection rating	IK09
Impact protection rating	6.8 kg light module
Weight*	230 V
Voltage	50/60 Hz
Frequency	3 years**
Warranty	optional
Control systems	DM 6kV, CM 10kV

*Max. ambient temperature of 70°C cannot occur continuously.
**There is a possibility of extension for up to 5 years

FAMILY

INDEX NO	NAME	POWER	LUMINAIRE LUMINOUS FLUX	LUMINAIRE EFFICACY	RA/CRI	MAX OPERATING TEMPERATURE
S5H0602241XXXXXAKEA2	BEETLE II HIGH TEMP 60 W CRI 70	60 W	9 100 lm	152 lm/W	>70	70°C*
S5H1002241XXXXXAKEA2	BEETLE II HIGH TEMP 100 W CRI 70	100 W	14 800 lm	148 lm/W	>70	70°C*
S5H1302241XXXXXAKEA2	BEETLE II HIGH TEMP 130 W CRI 70	130 W	18 600 lm	143 lm/W	>70	70°C*
S5H1502241XXXXXAKEA2	BEETLE II HIGH TEMP 150 W CRI 70	150 W	20 500 lm	137 lm/W	>70	70°C*
S5H2002241XXXXXAKEA2	BEETLE II HIGH TEMP 200 W CRI 70	200 W	28 600 lm	143 lm/W	>70	70°C*
S5H2502241XXXXXAKEA2	BEETLE II HIGH TEMP 250 W CRI 70	220 W	29 700 lm	135 lm/W	>70	70°C*
S5H3002241XXXXXAKEA2	BEETLE II HIGH TEMP 300 W CRI 70	300 W	40 000 lm	133 lm/W	>70	70°C*
S5H0602241XXXXXAKEA2	BEETLE II HIGH TEMP 60 W CRI 80	60 W	8 500 lm	142 lm/W	>80	70°C*
S5H1002241XXXXXAKEA2	BEETLE II HIGH TEMP 100 W CRI 80	100 W	13 800 lm	138 lm/W	>80	70°C*
S5H1302241XXXXXAKEA2	BEETLE II HIGH TEMP 130 W CRI 80	130 W	17 400 lm	134 lm/W	>80	70°C*
S5H1502241XXXXXAKEA2	BEETLE II HIGH TEMP 150 W CRI 80	150 W	19 200 lm	128 lm/W	>80	70°C*
S5H2002241XXXXXAKEA2	BEETLE II HIGH TEMP 200 W CRI 80	200 W	26 700 lm	134 lm/W	>80	70°C*
S5H2502241XXXXXAKEA2	BEETLE II HIGH TEMP 250 W CRI 80	220 W	27 500 lm	125 lm/W	>80	70°C*
S5H3002241XXXXXAKEA2	BEETLE II HIGH TEMP 300 W CRI 80	300 W	37 900 lm	126 lm/W	>80	70°C*

When ordering, please specify the desired beam angle curve and colour temperature
*Max. ambient temperature of 70°C cannot occur continuously.

ADDITIONAL EQUIPMENT

ADJUSTABLE MOUNTING BRACKET

EYE BOLTS FOR SUSPENDED MOUNTING

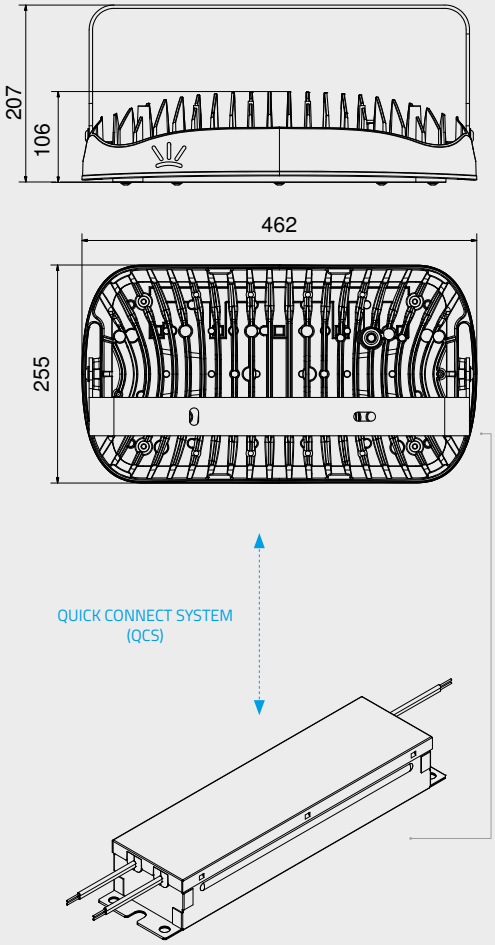
APPLICATION:

- workshops
- paper mills
- cellulose plants
- sawmills
- wood processing plants
- foundries
- steelworks

KEY ADVANTAGES

- adapted for high temperatures (Ta 70°C*)
- power up to 300 W
- tempered glass
- easy mounting and adjustment
- resistance to high temperatures
- lifetime up to 100 000 h (L80B10)
- three mounting methods (on handle, suspended, single-point)
- adaptable to any control system
- italian design and solid workmanship (IP67, IK09)
- a wide range of powers and lighting angles
- made in Poland

DIMENSIONS [MM]



The luminaire is equipped with a separate control module, mounted in a cooler location (maximum temperature +60°C*) at a distance of up to 25 m from the light module.

*Max. ambient temperature of 60 degrees cannot occur continuously.

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Luminous flux tolerance +/- 10%. Power consumption tolerance depends on the power level - less than 100 W or equal to 100 W power consumption tolerance is 5%, over 100 W - 2.5%. The luminous flux, light intensity distribution and light efficiency were tested according to PN-EN 13032-4: 2015-09 and PN-EN 60598-1: 2015-04 at an ambient temperature of 25°C. Accessories for installation are quoted separately by the manufacturer. The latest product data is available on our website at www.lumiteam.eu | We reserve the right to make constructional changes to the luminaires.
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