



ZUMTOBEL



CRAFT II

THE POWER PACK THAT LASTS

zumtobel.us/craft-ii

CREATED FOR CHALLENGING ENVIRONMENTS

CRAFT II – is not just two powerful new high-bay luminaires. CRAFT II is more than that: it's the first generation of Zumtobel high-bay luminaires based on the platform principle. Not a fixed stand-alone solution, but a tailor-made system. Maximum performance. And perfectly adapted to the requirements of the relevant operation.



CRAFT II plus* – the unbeatable power pack.

Protective shield made from a single mold: CRAFT II plus is created using the aluminium die-casting process. The luminaire is distinguished by its impressive resilience and revolutionary thermal management – even when faced with challenging ambient temperatures and extreme mechanical or chemical stresses.

* EU model shown without electronics cover required in the US.

See pages 6 and 8 for US model version.



CRAFT II performance* – the robust lightweight.

Sustainably produced, powerful in action: housed in a lightweight yet sturdy sheet steel housing, the CRAFT II performance is a highly efficient high-bay luminaire. Extremely versatile thanks to six different light distribution curves. And with housing "Made in Germany", in a zero carbon production process.

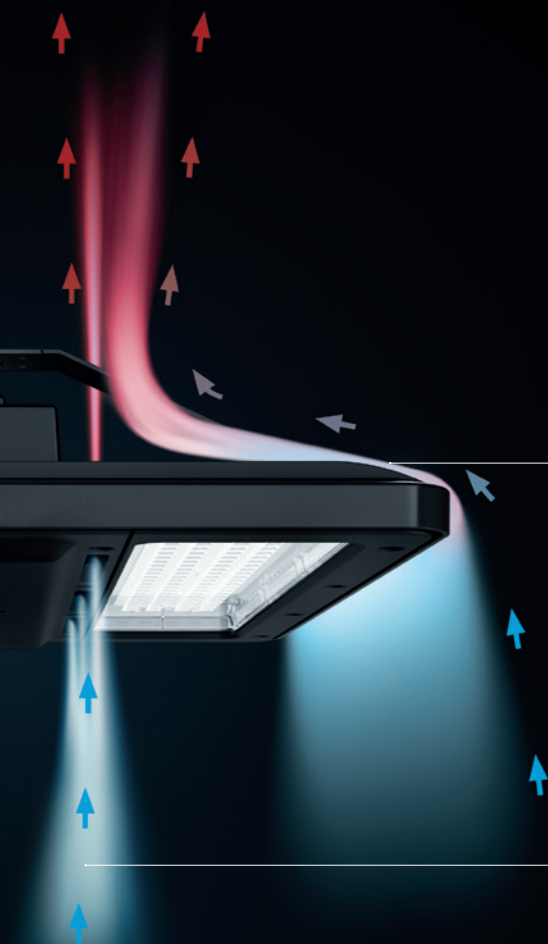
* EU model shown without electronics cover required in the US.

See pages 6 and 8 for US model version.

REVOLUTIONARY THERMAL MANAGEMENT

The CRAFT II plus uses two fundamental principles of physics, the Venturi effect and the Coandă effect, to cool and clean itself. The result: the innovative high-bay luminaire is in a completely different class from its predecessor model and can withstand high ambient temperatures (up to 158°F) – throughout its entire life time of around 100 000 hours. To achieve this, CRAFT II plus relies on an intelligent interplay of air pressure, air speed and air temperature. And all in an aluminium housing with excellent thermal conductivity.

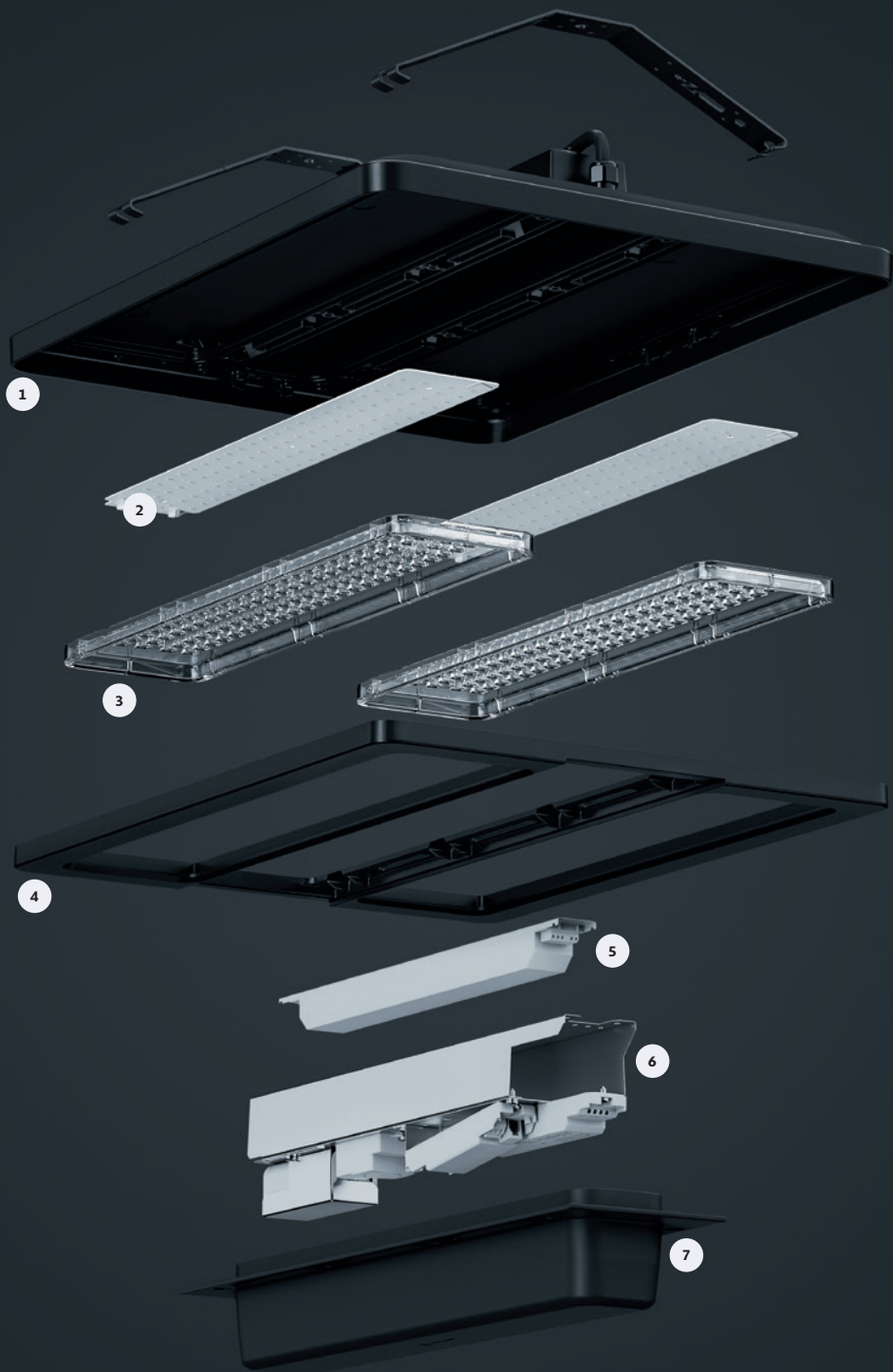


**Self-cleaning thanks to the Coandă effect.**

The Coandă effect is a principle of physics used in the aviation industry and applied to CRAFT II plus: a pressure imbalance presses the airflow against the curved surface of the luminaire. This efficiently cools the LED boards in particular. At the same time, the airflow also removes everyday dust from the surface of the luminaire.

Efficiently cooled thanks to the Venturi effect.

Specially designed nozzles in the body of CRAFT II plus generate negative pressure – and thus ensure that the air circulates at a high speed between the LED drivers and LED boards. The so-called Venturi effect cools the CRAFT II plus luminaire very efficiently and allows the power pack to be operated even at extremely high ambient temperatures.



RESILIENT POWER PACK

Whether in heavy industry, in agriculture, in swimming pools or gymnasiums – wherever extreme chemical and mechanical stresses are at play, the strengths of the CRAFT II plus really come into their own. Tough. Strong. Resilient. And housed in a high-quality aluminium housing. The CRAFT II plus luminaire is particularly impact-resistant thanks to a glass fibre-reinforced polyamide cover for the electronic components and thanks to diffusers, which are resistant to chemical and mechanical stresses.

1

Housing

Impact- and corrosion-resistant aluminium housing with copper content reduced by 80 %, powder-coated for special surface strength and maximum protection in challenging environments.

2

LED boards

LED boards designed for a very long life time, and premium-quality LED chips, with increased resistance to moisture, temperature and chemicals.

3

Diffusers

Resistant to chemical influences and mechanical stresses, available in polycarbonate.

4

Frame

A solid frame made of the same material as the housing protects the main internal components and ensures optimum protection of the sealing elements.

5

LED drivers

Industrial LED drivers specially developed for CRAFT II for increased safety, thanks to sturdy design and extensive testing under extreme conditions, high reliability thanks to the selection of premium-quality components.

6

Connectivity and sensors

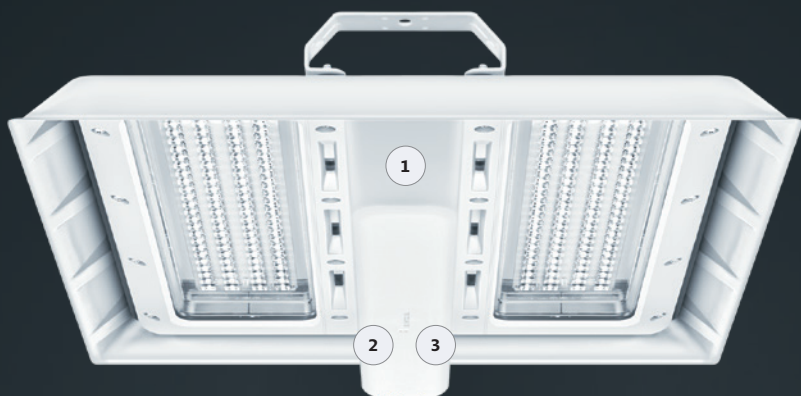
There are several sensor technology options to choose from for maximum convenience and efficiency in a wide range of application areas: microwave sensors detect presence or absence and all variants can be operated wirelessly. Even IoT integration is possible.

7

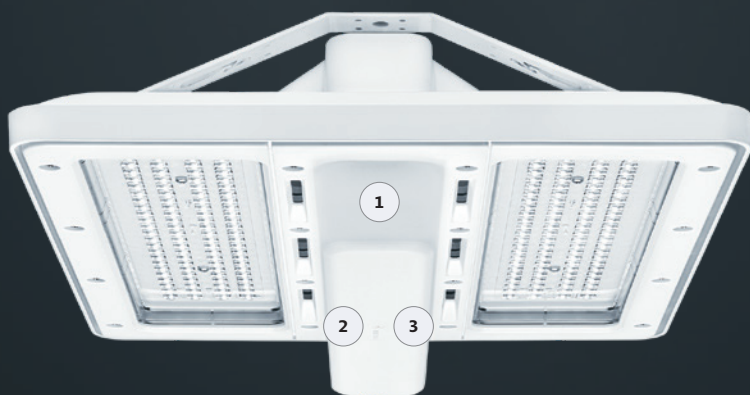
Cover for electronic components

Impact- and corrosion-resistant, made of glass-fiber-reinforced polyamide, for optimum transmission of radio waves from Bluetooth® devices and sensors.

CRAFT II PERFORMANCE



CRAFT II PLUS





1

Remote EnOcean multisensors detect ambient light and presence. This data can be used for maximum energy savings.

Remote EnOcean multisensors allow wireless communication via Bluetooth® for presence and daylight sensor technology.

2

Microwave sensors (MWS) mounted internally, combine presence detection from a height of 49'. Detection area/range up to 52'. IP66 protection and an IK08 impact resistance rating. A highly resistant luminaire can therefore significantly reduce energy consumption.

The MWDABC microwave sensor option adds to the advantages listed above by allowing wireless communication via Bluetooth®.

3

With internally mounted Bluetooth® Wireless Control modules, the luminaire is embedded in a dimmable and groupable solution for individual rooms using Casambi module and app.



CRAFT II plus

PROTECTIVE SHIELD FROM A SINGLE MOLD

CPS – three letters, one promise: the so-called CRAFT PROTECTION SHIELD provides the CRAFT II product family with a type of protective shield for challenging industrial environments. In both the aluminium and sheet steel variants, the housing is made from a single mold. Zumtobel thus guarantees that sensitive components such as sensors, emergency or IoT technology are completely covered and also prevents water from getting into the luminaires.

On conventional high-bay luminaires, screws on the top mean that there is a danger of moisture and chemicals getting into the housing from above. The CRAFT PROTECTION SHIELD eliminates potential entry points on the top of the luminaire.

All screw connections on CRAFT II performance and CRAFT II plus are on the underside of the luminaire and thus completely covered by the innovative CPS. A protective shield that is as simple as it is effective.





CRAFT II performance

HIGH-PRESSURE CLEANING

Attractive appearance, minimal cleaning effort: the clear housing design with smooth surfaces and rounded corners prevents water or dirt from accumulating on the luminaires of the CRAFT II product family. But does dust still sometimes need to be removed? The smooth surface (CRAFT II performance) and the large distance between the ribs on the high-bay luminaire (CRAFT II plus) makes it easy to clean the luminaires by hand with a cloth.

CRAFT II luminaires are supplied with water protection class IP66 as standard. Those who want to bring out the heavy guns, for example a high-pressure washer, can do this for the CRAFT II plus luminaire without hesitation. This maximum degree of protection is made possible by the CRAFT PROTECTION SHIELD and the

innovative sealing system, which places all sealing channels at the same level. For the CRAFT II plus, these come with a corrosion-resistant liquid seal, which follows the shape of the sealing components. Maximum protection even at maximum water pressure.

CRAFT II PERFORMANCE

Housing Materials
galvanized steel plate
(powder-coated)

Protection Class
IP66

CRAFT II PLUS

Housing Materials
die-cast aluminium

Protection Class
IP66



LIGHT QUALITY FROM ZUMTOBEL

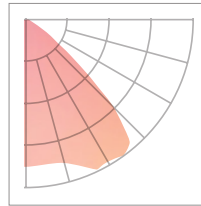
The CRAFT II product family doesn't just make use of pioneering technologies, it also benefits from the extensive project experience and in-depth lighting expertise of the Zumtobel Group.

For example, the optics engineers have replicated a natural phenomenon called TIR – total internal reflection. Transparent, laser-structured lenses with a micrometrically small, diagonal dome-like structure reflect the whole ray of light like a mirror. This distributes the light rays optimally in the room – precise and highly efficient.



Wide Beam
(WB)

Field Angle: 98°
Beam Angle: 70°



Very Wide Beam
(VWB)

Field Angle: 114°
Beam Angle: 81°



Narrow Beam
(NB)

Field Angle: 106°
Beam Angle: 73°



Extreme Narrow Beam
(XB)

Field Angle: 82°
Beam Angle: 68°



model shown without electronics cover required in the US.
pages 6, 7, and 8 for US model version



Intercable Arena, Bruneck | IT



Reitsporthalle Estermann (equestrian centre), Hildisrieden | CH

CRAFT II PERFORMANCE M**CRAFT II PERFORMANCE L**

Mounting type	Surface-mounted (<i>ceiling, wall</i>) Suspended (<i>chain suspension, cord suspension, vertical cable suspension</i>) Recessed TECTON compatible Trunking	
Dimension	21.26" x 18.50" 4.57"	41.14" x 18.50" 4.57"
Luminaire luminous flux	10,000 lm, 13,500 lm, 17,500 lm, 21,000 lm	20,000 lm, 27,000 lm, 35,000 lm, 42,000 lm
Color temperature	3000 K, 4000 K, 5000 K, 6500 K	
Luminaire efficacy	up to 147lm/W	
Typical applications	Logistics, retail, automotive, manufacturing	
Housing material	Galvanized steel sheet (powder coated)	
Light distribution	Wide Beam, Very Wide Beam, Narrow Beam, Extreme Narrow Beam,	
Controls	0-10V Universal, DALI, Lutron, 347V, Casambi, Microwave Sensor, EnOcean (see spec sheet for details)	
Sensors	Presence (Mounting height up to 49ft / Range up to 52ft): MWS microwave sensor EnOcean Low bay (7'-10'), High bay (10'-33') and daylight	
Emergency	Self-contained Emergency Battery	
Temperature range	- 13 °F to +149 °F	

CRAFT II PLUS M**CRAFT II PLUS L**

Mounting type	Surface-mounted (<i>ceiling, wall</i>) Suspended (<i>chain suspension, cord suspension, vertical cable suspension</i>) Recessed TECTON compatible Trunking	
Dimension	20.39" x 16.30" 6.14"	40.35" x 16.30" 6.14"
Luminaire luminous flux	10,000 lm, 13,500 lm, 17,500 lm, 25,000 lm	20,000 lm, 27,000 lm, 35,000 lm, 50,000 lm
Color temperature	3000 K, 4000 K, 5000 K, 6500 K	
Luminaire efficacy	up to 162 lm/W	
Typical applications	Metal processing, heavy industry, wood, textile, chemical production, cool logistics, Food industry	
Housing material	Aluminium die-cast	
Light distribution	Wide Beam, Very Wide Beam, Narrow Beam, Extreme Narrow Beam,	
Controls	0-10V Universal, DALI, Lutron, 347V, Casambi, Microwave Sensor, EnOcean (see spec sheet for details)	
Sensors	Presence (Mounting height up to 49ft / Range up to 52ft): MWS microwave sensor EnOcean Low bay (7'-10'), High bay (10'-33') and daylight	
Emergency	Self-contained Emergency Battery	
Temperature range	- 40 °F to +158 °F	

T H E L I G H T

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We reserve the right to make technical changes without notice.