DBW 5000

The DBW 5000 warning system combines modern design, a versatile range of functions and high-performance LED lighting technology. A maximum warning effect ensures increased attention at the airports. The low-profile design not only ensures low air resistance and reduced noise, but also makes it possible to pass sites where clearance height is an issue. The amber DBW 5000 warning system is tested in accordance with ICAO type C.

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winner

Configured to customer requirements
- Mounted using a modular system
- Easily adaptable to individual needs
- Switching of flash patterns possible

aerodynamic housing
- Low wind resistance and reduced noise levels
- Low-profile design height

Variety of mounting options
- Fast and easy mounting options for flat or curved vehicle roofs
- Vehicle-specific carrier systems offer additional mounting options

Maximum warning effect
- State-of-the-art lighting technology
- Automatic day/night switching

Easy operation
- Digital control using the CANBus protocol, based on the CANopen Standard 447
- Converters for analogue control available

Variety of lengths
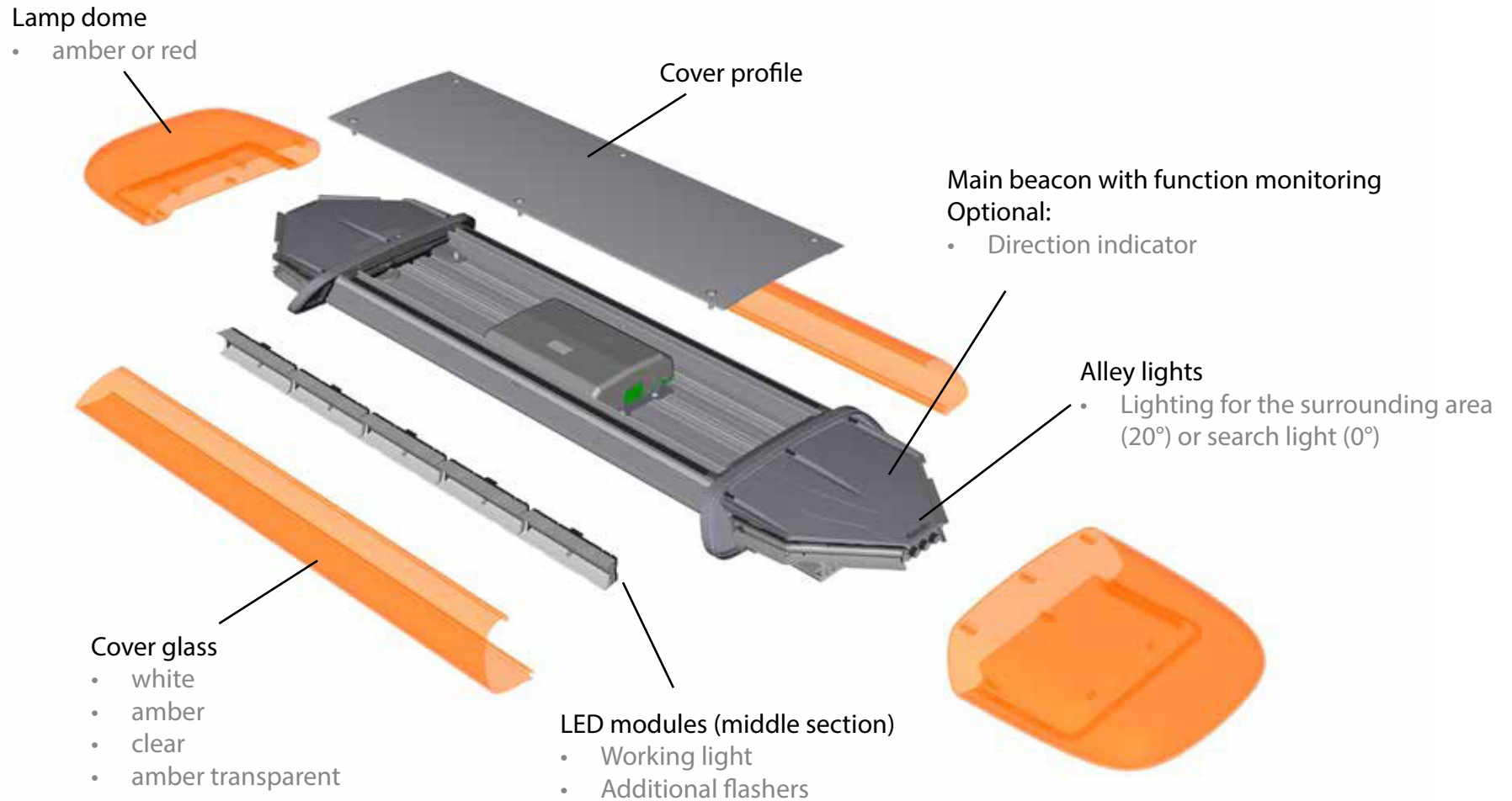- Lengths: 700, 1100, 1200, 1400, 1600 or 1800 mm

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RANGE OF FUNCTIONS AVAILABLE

- Working lights
- Environment light sensor for reducing beacons at night-time
- Alley lights: 0° or 20° tilt
- Acoustics (undercarriage loudspeaker for public address)
- Additional flashers
- Direction indicator (turning light)*
- Traffic controller unit (special approval required)
- also available as switchable blue/amber version (tested in accordance with ICAO type C). Further information on page 32.
- also available with red radiation colour (without test in accordance with ICAO type C)
- Switching of flash pattern (between ECE-R65 and ICAO type C) possible

*CAN447 requires an I/O-Box to feed in the signals.

Technical data:	
Designation:	DBW 5000
Voltage:	12 V / 24 V
Flash frequency (ECE-R65):	> 2 Hz (beacon)
Flash frequency (ICAO type C)	1 - 1.5 Hz (beacon)
Average power consumption:	from 4 A (at 12 V)
Lengths:	700, 1100, 1200, 1400, 1600, 1800 mm
Depth:	285 mm
Height:	63 mm
Weight:	from 5.1 kg
Material:	Lamp dome: PC / cover glass: PMMA housing: Aluminium
Type of protection:	IP5K4K/IPX9K
Homologation: (Germany and international)	
Light in accordance with ECE-R65:	TA2 E1 00 4448
EMC in accordance with ECE-R10:	E1 10R-05 7981
Direction indicator: Light in accordance with ECE-R 6	1 01 E1 4453 (front), 2a 01 E1 4453 (rear)

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Lamp dome
• amber or red

Cover profile

Main beacon with function monitoring
Optional:
• Direction indicator

Alley lights
• Lighting for the surrounding area (20°) or search light (0°)

Cover glass
• white
• amber
• clear
• amber transparent

LED modules (middle section)
• Working light
• Additional flashers

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Basic lightbars

Possible lengths
700, 1100, 1200, 1400, 1600, 1800 mm

Main beacon (HKL)	
Function	
Main beacon (amber or red)	• High-power LEDs with wide angle lenses • K2 homologation with day/night switching • Integrated function monitoring • Flash pattern: Strobe flash • Optional: Direction indicator, front and rear, in the main beacons*

Control module (KM)	
Function	
Digital control	• Serial control by 2-wire cable • For CAN447 control units (HBE 300 Follow Me) • Compatibility of other control units on request
Analogue control	• Converters for analogue control available • Analogue control via signal line • For limited range of functions (compatibility on request)

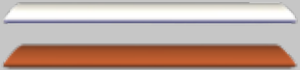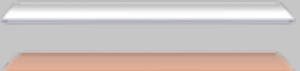| Roof mounting		
Function		
	Rubber mouldings	• For flat or curved vehicle roofs
	Mounting brackets	• Universal and various vehicle-specific models available

*CAN447 requires an I/O-Box to feed in the signals.

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DBW 5000

Electrical connection	
Function	
Cable outlet	• Cable outlet, passenger side: Standard • Cable outlet, driver side • Separate cable outlet (power supply and signal line are laid separately) • Vehicle-specific electrical connections on request

Options

Acoustics (undercarriage loudspeaker for public address)		
Function		Possible for
Undercarriage loudspeaker	• Undercarriage loudspeaker directed towards the rear and/or the front for public address • Exterior amplifier and cable harness required	• 12 V • 24 V

Alley lights (side lights)			
Function			Possible for
	lighting for surrounding area	• Tilt angle: 20° • Mounted in pairs (left and right)	• 12 V • 24 V
	Search lights	• Without tilt • Mounted in pairs (left and right)	• 12 V • 24 V

Cover glass		
Description		
	Cover glass in full colour: • White (RAL 9010) • Amber (RAL 2004)	
	Cover glass, transparent: • Clear • Amber transparent	• Clear or tinted transparent cover glass • Required when middle modules are mounted

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