

Formerly known as



LED

LED-On Board-Lighting

300 W - 1200 W

System characteristics

- Available in four sizes
- Efficient cooling
- Special lenses
- Small sizes

Advantages

- Universal practicality
- Long lifetime of the LED
- High light output
- Variable fixing in the car

LED-On-Board-Lighting 300 W - 600 W

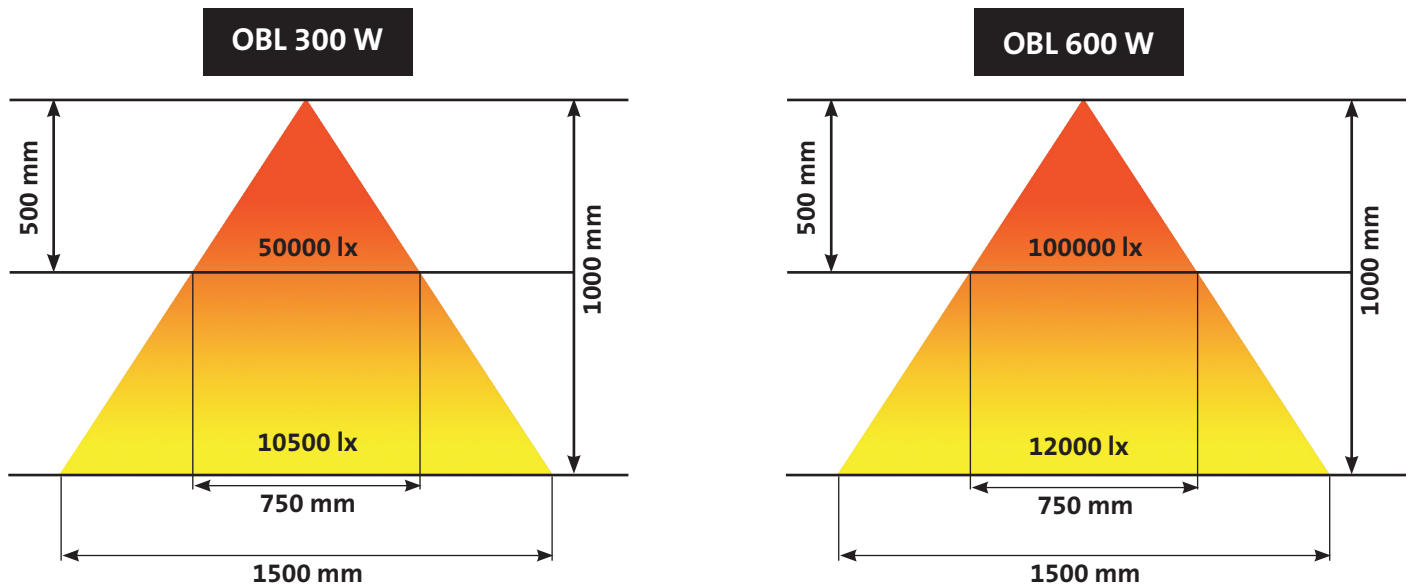
This new LED-Lighting system was developed as on board lighting for crash tests. The lamps are positioned inside the car during the crash test to illuminate details.

The lamps are of small size, low weight and have a high light output and high stability. The OBL 300 and the OBL 600 are designed for such applications, both can easily be mounted inside the car.

Technical specifications

	LED - OBL 300 W	LED - OBL 600 W
Input voltage, current	max. 48 V DC, 7 A	max. 48 V DC, 14 A
Output power	max. 300 W (15 sec.)	max. 600 W (15 sec.)
Luminous flux continuous	10000 lm	20000 lm
Luminous flux boost mod.	40000 lm (15 sec.)	78000 lm (15 sec.)
Scattering angle	75°	75°
Dimension (L x W x H)	94 x 82 x 50 mm	130 x 82 x 50 mm
Weight	350 g	460 g
Ambient temperature	-10°C to +45° C	-10°C to +45° C

Light distribution



LED-On-Board-Lighting 900 W - 1200 W

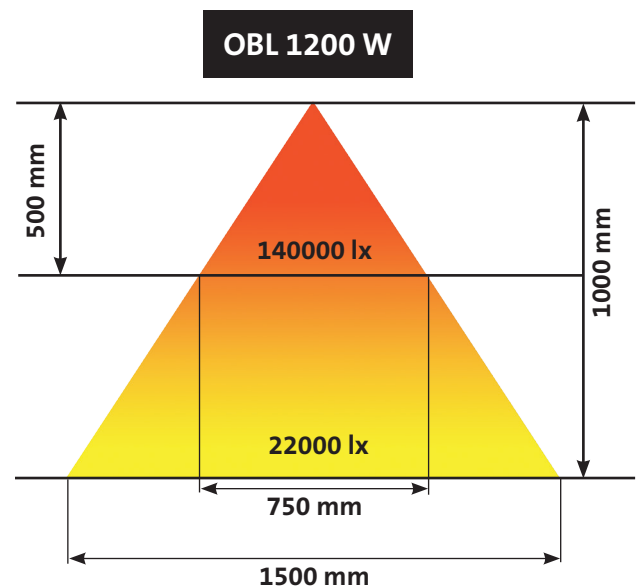
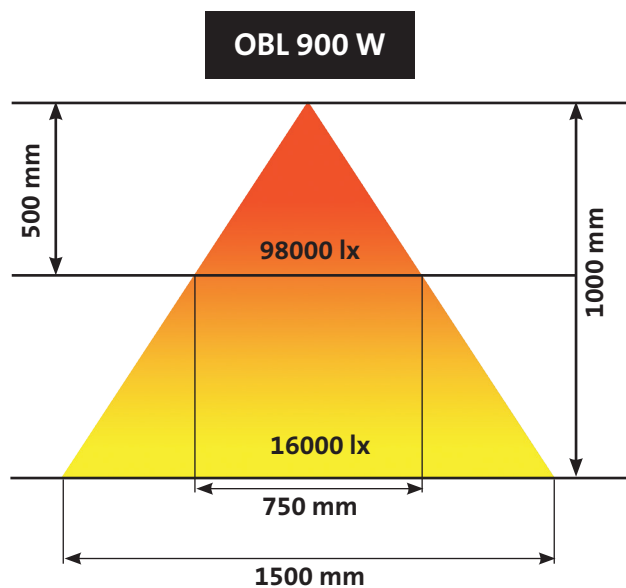
This LED-Lighting system was also developed for crash tests. The lamps are positioned inside the car to illuminate details during the crash such as roof area and side areas where the head-airbags are accommodated.

The lamps are of small size, low weight and have a high light output and are easy to be installed inside the car.

Technical specifications

	LED - OBL 900 W	LED - OBL 1200 W
Input voltage, current	max. 48 V DC, 18 A	max. 48 V DC, 25 A
Output power	max. 900 W (15 sec.)	max. 1200 W (15 sec.)
Luminous flux continuous	24000 lm	30000 lm
Luminous flux boost mod.	98000 lm (15 sec.)	140000 lm (15 sec.)
Scattering angle	75°	75°
Dimension (L x W x H)	130 x 105 x 60 mm	168 x 105 x 60 mm
Weight	600 g	800 g
Ambient temperature	-10°C to +45° C	-10°C to +45° C

Light distribution



Power supply 600 W - 1200 W

The power supplies are designed for AC and DC applications and can work with mains voltage and also with a DC voltage from a battery pack. The power supplies are also placed into the car during the crash. For this we use a LiRay battery made for crash solutions.

To the 600 W power supply you can connect two OBL 300 or one OBL 600. If you connect one or two OBL 300, the power supply deliver only 300 W. To the power supply 2 x 600 W, you can connect one OBL 900 or one OBL 1200. For the OBL 900 the power supply reduces the output power to 900 W.

Technical specifications

	Power supply 1 x 600 W	Power supply 2 x 600 W
Input voltage	24 V - 48 V DC	24 V - 48 V AC / 140 V DC
Output voltage	max. 52 V DC, 14 A	max. 2 x 52 V DC, 14 A
Output power	600 W for 15 sec.	2 x 600 W for 15 sec.
Boost	0 - 10 V DC or resistor	0 - 10 V DC or resistor
Protection class	I, IP 23	I, IP 23
Ambient temperature	max. + 45° C	max. + 45° C
Dimension (L x H x W)	360 x 160 x 90 mm	380 x 160 x 190 mm
Weight	2,6 kg	5,6 kg



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Operating parameters depend on production characteristics and may differ from the foregoing information.
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