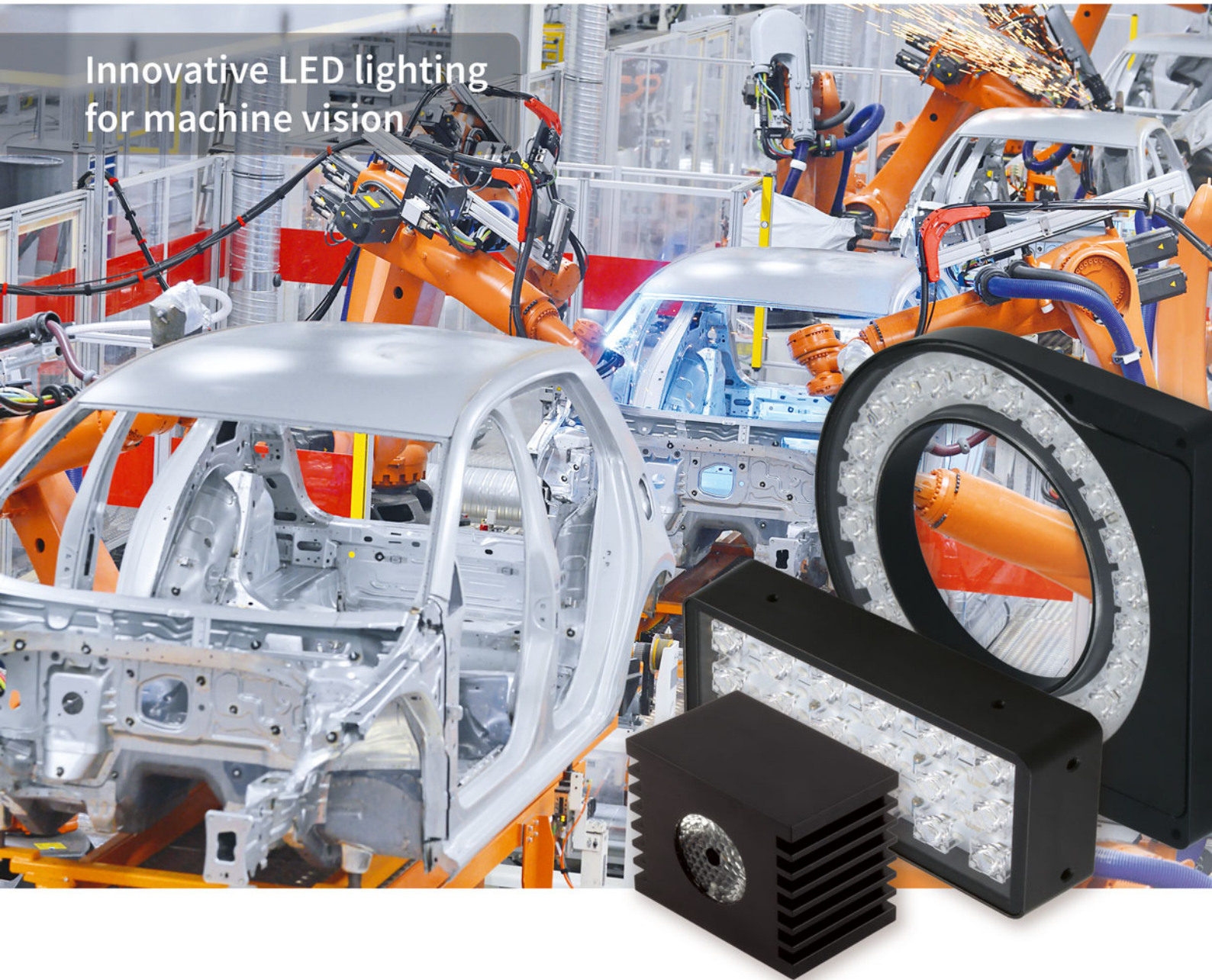


High Power Lighting

HP Series

Innovative LED lighting
for machine vision



Extra light for larger distances
in various dimensions and colors

- High light efficiency
- LED controller inside
- Easy-to-use
- Cost saving

The high power series uses LEDs with much more light intensity. Additionally, a small lens on every LED focuses the light to a small beam angle. The integrated LED controller (-s) with four operation modes, allows an easy integration into any inspection set-up.

High Power Lighting - HP Series

Extra light for challenging applications

With some inspection setups it is simply not possible to get into the close-up range. Since light intensity decreases very much with distance from the object, more light output is the answer.

The wide bars, ring and spot lights in the High Power series use LEDs with more power: 1.5 times as much as in the standard light series. An additional lens on each single LED collects all the light from the initial wide beam angle of the LED providing even more light through focussing to narrower beam angles. This is especially helpful at longer object distances.

All illuminations of the High Power series are designed for use in the automation industry: the LEDs are installed on a stable, black anodized aluminum housing, protected by a transparent acrylic glass screen. The electrical connection is made via an M12 connector which is widely used in the automation industry.

MBJ offers white 5000K (CRI80), red and infrared LED colors in the standard program. The delivery time for these lightings is 14 days from stock.



Four threaded M4 holes are available for rugged mounting. For all our lighting 2D and 3D files are available for download on our website.

Specification

Material	Anodized aluminum housing	Certifications	CE, RoHS
Connector	M12 socket, male, 5 pin	Degree of Protection	IP54
Supply voltage	24 V DC +/- 5%	Humidity	30% to 70%
Op. Temperature	10° Celsius to 30° Celsius	Accessories	Cables

Standard Model	Luminous area	Beam Angle	Dimension	LED color ¹	Steady power	Price from ²
HP WBL-0410	45x100 mm	20°	54x110x23 mm	WT, RD, IR	11.0 W	310 €
HP WBL-0420	45x200 mm	20°	54x210x23 mm	WT, RD, IR	22.0 W	460 €
HP WBL-0430	45x300 mm	20°	54x310x23 mm	WT, RD, IR	32.0 W	680 €
HP SRL-12	Ø87-121 mm	20°	130x141x14 mm	WT, RD, IR	16.0 W	360 €
HP SL-Narrow	24.6 mm	13°	56x46x46 mm	WT, RD, IR	8.0 W	270 €
HP SL-Wide	24.6 mm	26°	56x46x46 mm	WT, RD, IR	8.0 W	270 €

1) WT=white, RD= red, IR= infrared, GN=green, BE=blue, YE=yellow. Other LED colors on request
 2) Price for a white LED, plus VAT and transportation costs

Operation Modes

Mode description

(-s) internal controller with 4 operation modes	24V steady light, dimmable steady light, triggered light and triggered flash light with up to 100% more intensity
(-x) no controller	External LED control is required



MBJ Imaging GmbH
 Jochim-Klindt-Straße 7
 D-22926 Ahrensburg

Phone +49 410 277 890 32
 Email sales@mbj-imaging.com
 www.mbj-imaging.com