

MBJ Imaging GmbH

Product Overview



LED lighting, controller and accessories for industrial machine vision

- Made in Germany
- Expert advice
- Fair prices
- Short delivery times

MBJ Imaging offers a wide range of LED lighting. Our product portfolio includes a large range of types, sizes and colors at a very competitive price. Lights are available as transmission or incident lights, for bright field or dark field setup and more. An already integrated, smart LED driver makes installation very easy.

Illumination Overview

Back lighting



The homogeneous transmission illumination is ideal for inspecting and measuring object contours.

Sizes: 50mm x 100mm up to 200mm x 300mm
 LED Color: white, red, infrared, green, blue, yellow
 Design: M8 connector, aluminum housing, PMMA cover

DBL - Series

Top lighting



Incident lighting with camera aperture is ideal for inspecting objects with low reflective surfaces.

Sizes: 50mm x 100mm up to 200mm x 300mm
 LED Color: white, red, infrared, green, blue, yellow
 Design: M8 connector, robust aluminum housing, PMMA cover

DTL - Series

Bar lighting



Set various angles for a bright field application or realize low angles of incidence to create a dark field setup.

Sizes: 100mm, 150mm, 200mm, 300mm, 400mm, 500mm
 LED Color: white, red, infrared, green, blue, yellow
 Design: M8 connector, robust aluminum housing, PMMA cover

SBL - Series

Wide bar lighting



The 45mm wide light output is suitable for larger objects and higher light demand.

Sizes: 100mm, 200mm, 300mm
 LED Color: white, red, infrared, green, blue, yellow
 Design: M8 connector, robust aluminum housing, PMMA cover

WBL - Series

Ring lighting



The all-round talent. The light, arising from all around the lens and minimizes hard object shadows.

Sizes: 50mm, 70mm, 120mm
 LED Color: white, red, infrared, green, blue, yellow
 Design: M8 connector, robust aluminum housing, PMMA cover

SRL - Series

Horizontal ring lighting



Lateral light emission for dark field illumination is ideal for inspecting surface scratches.

Sizes: 50mm, 75mm, 100mm
 LED Color: white, red, infrared, green, blue, yellow
 Design: M8 connector, robust aluminum housing, PMMA cover

HDF - Series

LED Controller



CTR-50

Channels: one
 LED Color: for switching and dimming of LED currents up to 4A
 Control: rotary switch, RS232



CTR-51

Channels: one
 LED Color: precise flashes from 1µs, for high speed applications
 Control: rotary switch, RS232



CTR-52

Channels: four
 Function: for complex lighting scenarios with Modbus Control
 Control: Ethernet

CTR - Series

Illumination Overview

Coaxial lighting



The light is ideal for highly reflective and shiny object surfaces. It also works for transparent objects.

Sizes: 100mm x 100mm, 200mm x 200mm
LED Color: white, red, infrared, green, blue, yellow
Design: M8 connector, robust aluminum housing, PMMA cover

COX - Series

JustBright lighting



Designed for the lowest cost but sufficient for many transmitted and incident light applications.

Sizes: various sizes, including rings
LED Color: white
Design: M8 connector, aluminum base & ABS housing

JB - Series

Dome lighting

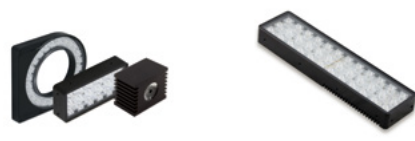


Creates a nearly shadow-free illumination, ideal for highly reflective surfaces like printed foils or metal.

Sizes: 50mm, 100mm, 200mm, 300mm
LED Color: white, red, infrared, green, blue, yellow
Design: M8 connector, aluminum base & plastic dome

SDL - Series

High Power bar lighting



Lights with stronger LED's and 20° beam lens on each LED. Ideal for fare distance illumination.

Sizes: various sizes, including rings
LED Color: white, red, infrared
Design: M12 connector, aluminum housing, PMMA cover

HP WBL - Series

Flex top- and back lighting



Design your own lighting. Our flexible top and back lights meet your length requirements.

Sizes: from 100x100mm up to 800mmx1000mm
Increments: in steps of 100mm in x and y dimension
LED Color: white, red, infrared, green, blue, yellow

DBL Flex - Series

Flex bar lighting



Design your own lighting. Our flexible bar lights meet length requirements of your application.

Sizes: 100mm up to 1600mm
Increments: in steps of 100mm in one dimension
LED Color: white, red, infrared (others on request)

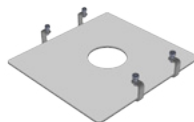
SBL Flex - Series

Accessories



Camera holder

Matching mounts for our lights provide flexible and fast mechanical integration into your application. The combination mounts for camera and light allow to build very compact units.



Optical filter

Filter holders and optical filters matching our lighting allow a quick and easy light manipulation such as diffusion, polarization or collimation. The mounting holes for the holder are present in all our lightings.



Connection Cables

Connect the LED light with integrated controller directly to 24V. M8 or M12 are the standard connectors for the MBJ LED light series. Our Y-cable allows easy camera & light wiring.

Accessories

About MBJ

Headquarter in Ahrensburg, Germany



MBJ Imaging GmbH - The specialist for LED lighting

MBJ Imaging GmbH, founded in 2013, is a subsidiary of MBJ Solutions GmbH. The company specializes in the development, manufacturing and sales of cost efficient LED lighting and LED controllers for the automation industry.

Illumination is a core component for industrial image processing and critical to the performance of an inspection system. MBJ Imaging offers cost-efficient, reliable, industrial-suited standard lighting based on the latest LED technologies. Additional accessories allow simple and cost-saving integration into automation systems. If required, customized solutions can also be realized.



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