

High Brightness

# LED Lighting

“Onboard” Version



## Highlights

- Colour temperature optimized for colour sensors
- Low level of scattered light
- Flicker-free
- Intelligent control, various operating modes  
Ready  
Half and Full light output  
Auto-run
- Trigger input with programmable logic
- Can be integrated in the HS VISION trigger module
- Lamp module is small and lightweight  
(HxWxD - 90mm x 90mm x 60mm, 250 g)
- Low energy consumption

Small, compact, flexible and exceptionally bright; these are the properties of the new HiB Multi-Head lighting solution for cramped or temperature-critical applications. The

lamp modules can be either mounted individually, or they can be mechanically connected together when increased light is required. Thanks to the newest 12 W LED technology, each head provides a

light output of more than 100.000 lux at 50 cm distance. The intelligent control unit enables up to 4 module lamps to be controlled simultaneously.



Table version control unit

# LED Lighting

## TECHNICAL DATA

### → HiB LED Control Unit

#### VERSION FOR ONBOARD OPERATION

Power requirement:	max. 300 W
Operating voltage:	max. 26V DC
Voltage for camera:	26V DC
Power demand for camera and aux.:	20 W
Max. number of LED Heads:	4
LED current ripple:	0 Hz
Trigger out:	NPN acc. to GND
Trigger in:	max. 5mA acc. to GND
Min. impulse time - Trigger in:	50µs
RS232 parameter:	8N1 9600Bd
RS232 menu:	WIN Hyperterminal, 8N1, 9600, no flow control
Operating position:	vertical acc. to arrow
Direction of travel:	acc. to arrow
Mounting holes:	4 x 8mm drilled
Max. surrounding temp.:	30°C
Max. housing temp.:	45°C
Weight:	approx. 4.000g
Housing dimensions:	LxWxH 240 x 190 x 50 mm
LEDs and keys:	Ready, Maximum, Half, Automatic
Fuse for each MULTI-HEAD:	3,15A m
Fuse for camera and aux:	2A m
Fuse for int. control:	1A m

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### → HiB LED HEAD

Light output Max.:	approx. 108.000 lx / 50 cm*
Light output half:	approx. 52.000 lx / 50 cm*
Light temperature:	approx. 6.500 °K **
LED current:	2.800mA
Cable lenght:	5m - max. 10m***
Max. housing temp.:	approx. 35°C
Ventilator threshold:	approx. 30°C
Dimensions in mm:	90 x 90 x 60
Weight:	approx. 250 g
Cover:	acrylic glass cover GS Rho=1

\* projected light fleck middle, efficiency of cover disk r=1 cool white  
\*\* according to manufacturer - cool White  
\*\*\* only at operational voltage > 20V



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