BHP1520-X-B-24V

Lighting Dimension
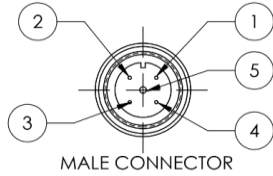
PIN	CORD COLOR	DESCRIPTION
1	BROWN	24V
2	WHITE	-
3	BLUE	GND
4	BLACK	-
5	GRAY	-

MALE CONNECTOR

LIGHT EMITTING AREA

LIGHTING CONNECTOR

30

4X - TAP M4, ⤓ 6   R4

180
150
200
230

8.5
213
230

75   180
52.5

RoHS COMPLIANT   CE
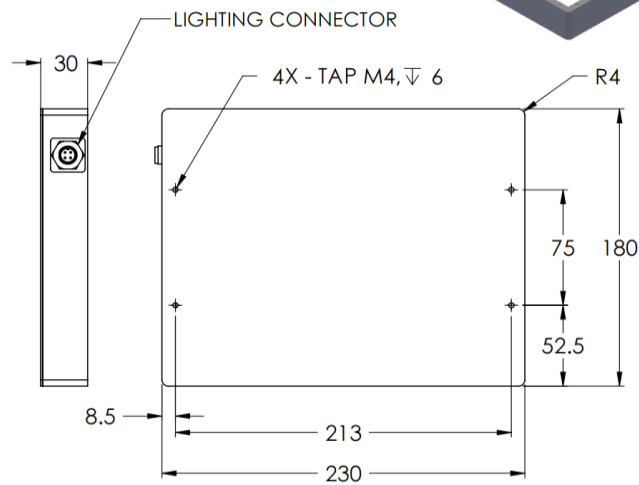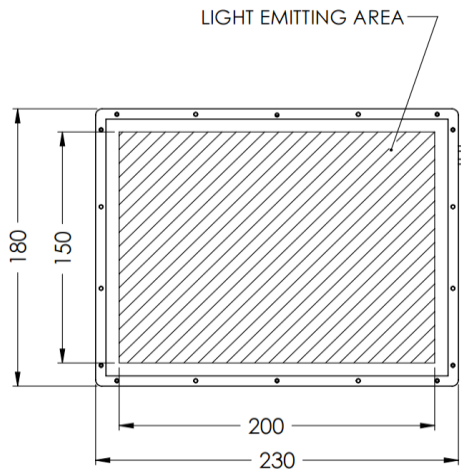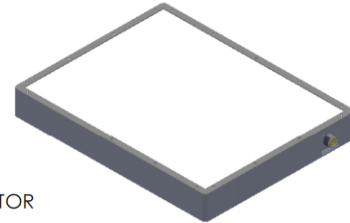
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0 - 45°C, Humidity 20-85%
Weight	1200 g
Length / Outer Diameter	180 mm
Width / Inner Diameter	230 mm
Thickness / Height	30 mm

ILLUMINATOR DATA-ID

BHP1520-X-B-24V

Optical Information				
Part Number		BHP1520-X-B-24V		
LED Color		BLUE		
Wavelength	(nm)	470		
Intensity (±15%)	(Lux)	51300	46100	43000
Working Distance	(mm)	10	20	30
Illumination (number of row)		X		
Illumination Active Area				
Active Length / Outer Diameter	(mm)	150		
Active Width / Inner Diameter	(mm)	200		
Emission angle	(deg.)	0		
Eye Safety Class (IEC62471)		II		

Electrical Information		
Lighting Supply Voltage (constant voltage mode)		24V ± 2%
Continuous Current	(mA)	840
Power Consumption	(W)	20.16
Lighting casing temperature, Operating after 60 minutes	°C	57.7

Strobe Mode Specification		
Pulse Operation		YES
Max. Lighting Supply Voltage (Constant voltage power supply)	(V)	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle, Recommended at 36VDC
Pulse Current, (Max. 10msec) (Constant current power supply)	(mA)	2520
Max. Trigger Pulse Duration	(msec)	10
Duty Cycle		0-10%

Additional Information		
Additional Cooling Method		Attached to machine part for better heat dissipation
Intensity Controller Selection		ANG, ST, SD and SDA Series
CE Conformity		YES
RoHS Compliance		YES

Connection				
Connector Type (default)		M12 5 PIN CONNECTOR (MALE)		
Cable Length (out from lighting)	(mm)	700		
Pin Configuration		Pin	Signal	Cable Colour
		1	24V	BROWN
		2	-	WHITE
		3	GND	BLUE
		4	-	BLACK
		5	-	GRAY

Extension Cable		
Connector Type (default)		M12 5 PIN CONNECTOR (FEMALE)
Part Number		EXT-FL-M12F-3M-24V
Cable Length (out from female connector)	(mm)	3000
Extension Cable (connect to M12 5 Pin Male Connector from lighting)		

Application		
Illumination Type		Ingress Protection Illumination
Applicattion Use		Lead frame inspection, shape recognition, size measurement.

VISION CONSULTANCY

MAKING THE UNSEEN VISIBLE

Thank you for downloading this document from
www.machine-vision-shop.com

If you have any questions, you need help composing the
right package for your application or do you want to order?

Feel free to contact us via e-mail at sales@vision-
consultancy.nl or visit our webshop.

Our vision experts are happy to help you.

Natascha Overhof

Christian Crompvoets

VISION CONSULTANCY

Robert Schumandomein 2
6229 ES Maastricht
The Netherlands

+31 (0) 438 522 651

sales@vision-consultancy.nl
www.machine-vision-shop.com

Scan me to visit
machine-vision-shop