

MEDIUM MBACK

HOMOGENEOUS BACKLIGHT

▷ QUALITY CONTROL WITH CAMERA

▷ MACHINE VISION SYSTEM

▷ HIGH POWERFUL LED

▷ VARIOUS DIMENSIONS

▷ HOMOGENEOUS LIGHTING SYSTEM

THE GREAT STANDARD AMONG BACKLIGHTS.

M12 CONNECTOR(S)



- ✓ Tailor-made manufacturing,
- ✓ backlight and directive diffusing,
- ✓ continuous and strobe modes.

The MEDIUM MBACK provides an indirect lighting (backlight), particularly homogeneous and efficient. You just have to place the MEDIUM MBACK under the item you want to light up, so as to create a shadow puppet effect. The MEDIUM MBACK of TPL Vision are tailor-made. So, equipped with thin borders, they perfectly fit

all kinds of conveyors. Then you can easily start the quality control process : presence/absence, outline defaults, lacks of materials... The MEDIUM MBACK can also be used in diffuse lighting, to attenuate the reflections of shiny items.



THE MEDIUM MBACK, EQUIPPED WITH THIN BORDERS,
IS AVAILABLE IN VARIOUS DIMENSIONS:
From 225 x 200 mm to 1 000 x 400 mm.



RELATED PRODUCTS

Ask for your add-ons, customized for the Medium MBACK

- wiring
- safety glasses
- fixing hardware

TECHNICAL SPECIFICATIONS

Electronics	
Power supply	24 VDC +/-10%
Functioning mode	Continuous or strobe according to wiring
Maximum rising time	1.5 ms
Maximum falling time	1 ms
Wiring	1 or 2 M12 4 poles male connectors (according to the size)
Max. Consumption	See table
Optics	
Colour	White, Red, Green, Blue, Infrared
Mechanics	
Thickness	45 mm
Width x length	From 225 x 200 mm to 1000 x 400 mm
Body materials	Aluminum
Diffuser	Opaque diffuser
Fixing	4 M4 screws (not supplied)
Environment	
Operating temperature	0 - 40°C
Storage temperature	0 - 60°C
IP protection	IP 40
Labels	RoHS-CE-DEEE

HOW TO BUILD ONE'S REFERENCE

REQUIRED SETTINGS

MBACK	A useful length of the side without connector*	B useful length of the side with connector*	05	-	COLOUR
					<p>* Please refer to the table on the opposite page to know the feasible dimensions.</p> <p>EXAMPLES : MBACK A = 250 mm B = 250 mm WHITE LEDS : → MBACK252505-WHI MBACK A = 600 mm B = 300 mm RED LEDS : → MBACK603005-630 MBACK A = 800 mm B = 400 mm BLUE LEDS : → MBACK804005-470</p> <p>RESULTS :</p>
					<p>WHI <input type="checkbox"/></p> <p>630 <input type="checkbox"/></p> <p>525 <input type="checkbox"/></p> <p>470 <input type="checkbox"/></p> <p>850 <input type="checkbox"/></p>

MY CONTACT

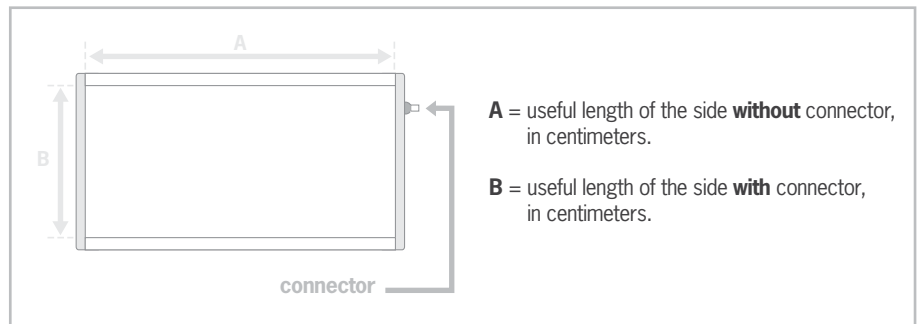
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Features and presentations liable to modifications without prior notice. B-1 version, 2014/02 Edition

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Other available documents :

- PDF, DWG, DXF, IGS, STEP & X_Y DRAWINGS
- USER'S GUIDE

Medium MBACK



MAX. CONSUMPTION TABLE

White lighting
 Green lighting
 Blue lighting

B (mm)	A (mm)												
	250	300	350	400	450	500	550	600	650	700	750	800	
250	21	32	32	42	42	47	50	63	63	63	76	76	
300	32	47	47	63	63	73	76	94	94	94	114	114	
350	32	47	47	63	63	73	76	94	94	94	114	114	
400	42	63	63	83	83	94	99	125	125	125	152	152	

Consumption (W)	Number of cables
0-95	1
>96	2

Red lighting

B (mm)	A (mm)												
	250	300	350	400	450	500	550	600	650	700	750	800	
250	16	23	23	31	31	35	37	46	46	46	56	56	
300	23	35	35	46	46	54	56	69	69	69	84	84	
350	23	35	35	46	46	54	56	69	69	69	84	84	
400	31	46	46	61	61	69	74	92	92	92	112	112	

Consumption (W)	Number of cables
0-95	1
>96	2

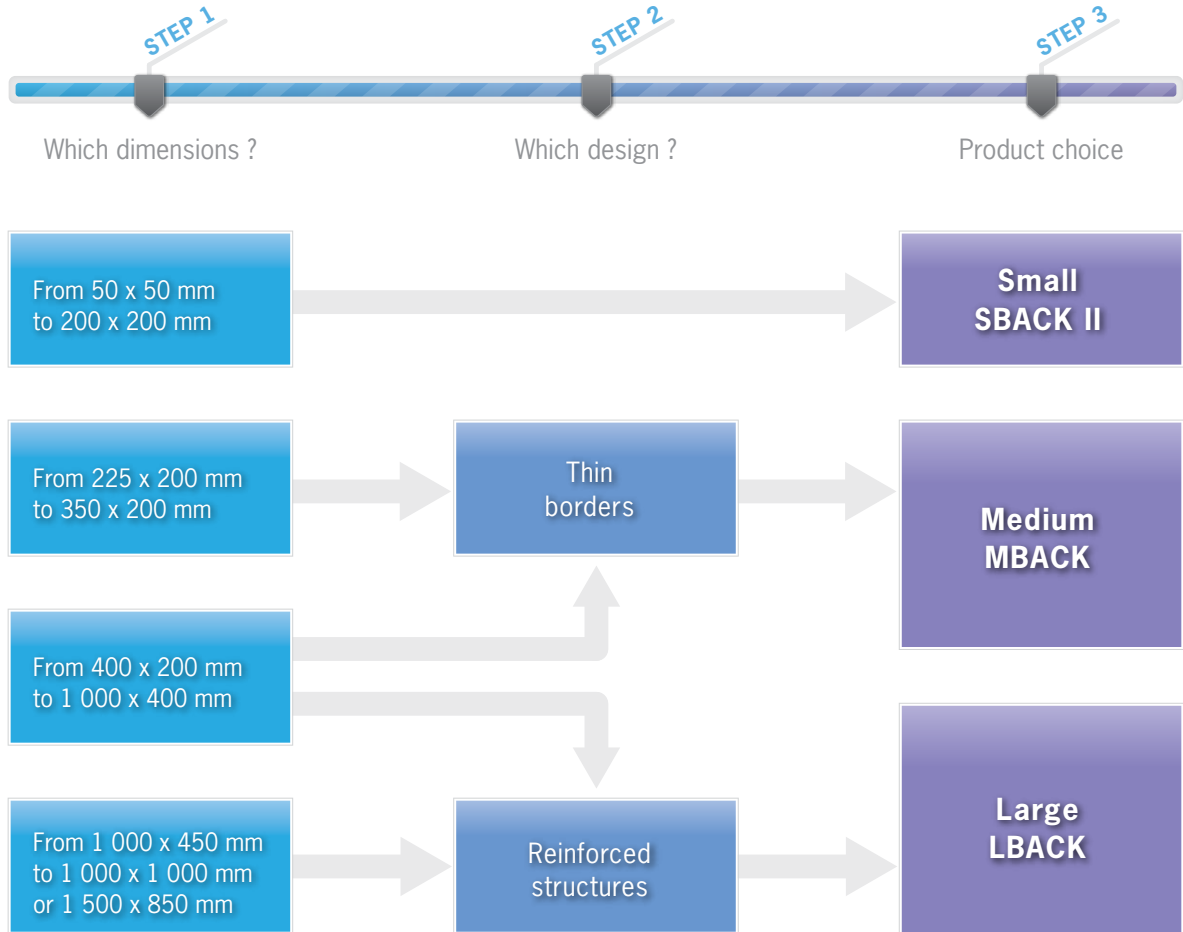
Infrared lighting

B (mm)	A (mm)												
	250	300	350	400	450	500	550	600	650	700	750	800	
250	18	26	26	35	35	39	42	52	52	52	63	63	
300	26	39	39	52	52	61	63	78	78	78	95	95	
350	26	39	39	52	52	61	63	78	78	78	95	95	
400	35	52	52	69	69	78	83	104	104	104	126	126	

Consumption (W)	Number of cables
0-95	1
>96	2



HOW TO CHOOSE YOUR BACKLIGHT ?



Other dimensions are available: please contact us.