laservision

laser safety window P1P10 (3mm)

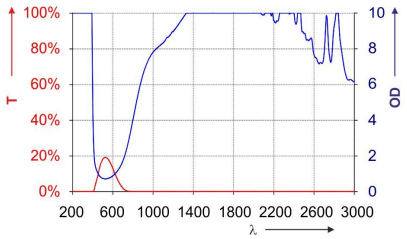
Highlights

The laservision plastic laser safety window 000.P1P10.2001 made of polycarbonate (3mm, OD 8+) features very high protection ratings within the wavelength area 1,030-1,400nm (D LB6 – IRM LB8) and an additional alignment protection at 635-690nm (RB1). The laser safety window offers a very good color view and a 16% VLT. It is an alternative to conventional green laser safety glass windows. This blue laser safety window is customized available up to a size of 3,000 x 2,000mm. This window is CE marked with 5 and 10 sec. of test time.

Articlenumber: 000P1P102001
GTIN: 4050369030664
Unit: 1 Stück
Weight incl. packaging 0,07 kg
Weight excl. packaging: 0,07 kg

COATING:	Anti-scratch on both sides
COLOUR:	blue
FILTER MATERIAL:	Plastic
FILTER TECHNOLOGY:	Absorption filter
FILTER THICKNESS:	ca. 3mm
PROTECTION CLASS / NORM:	EN 207 full protection, EN 60825, EN 208 Alignment protection
PROTECTION RANGE:	near infrared, Infrared, visible, ultraviolett
VLT (APPROX.):	16%
VISUAL BRIGHTNESS:	Sufficient
COLOUR RECOGNITION:	Good

Filtercurve



Transmissions- und OD-Kurve //
transmission and OD curve

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WAVELENGTH	OD	OPERATING MODE / TESTED PROTECTION LEVEL
180 - 315	(OD10+)	D LB10 + IR LB4 + M LB6
>315 - 385	(OD8+)	D LB6 + IRM LB8
>385 - 400	(OD4+)	DIRM LB4
635 - <720	(OD1+)	DIRM LB1
720 - <770	(OD2+)	DIRM LB2
770 - <800	(OD3+)	DIRM LB3
800 - <840	(OD4+)	DIRM LB4
840 - <880	(OD5+)	DIRM LB5
880 - <960	(OD6+)	DIRM LB6
960 - <1030	(OD7+)	D LB6 + IRM LB7
1030 - 1400	(OD8+)	D LB6 + IRM LB8
>1400 - 3600	(OD4+)	D LB3 + I LB4 + R LB3Y + M LB1
>3600 - 4800	(OD3+)	DI LB3 + R LB3Y + M LB1
>4800 - 11500	(OD4+)	DI LB4 + R LB3Y

DIN EN 60825-4

840-3000nm | 40,7 kW/m^2 | T3 | t_{max} = 63s
840-3000nm | 18,1 kW/m^2 | T2 | t_{max} = 105s
5200-14700nm | 50,9 kW/m^2 | T2 | t_{max} = 105s

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