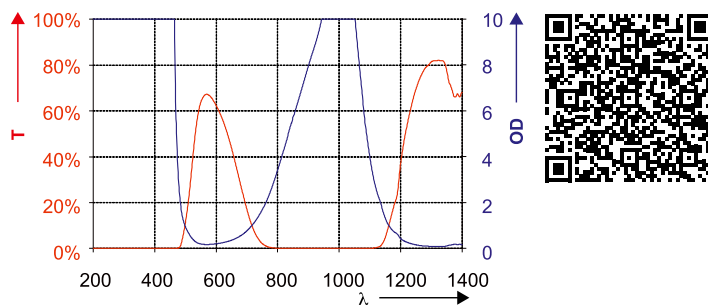


Window P1P20



- For high power diode-, disc-, ND:YAG-, fibre- and CO₂-laser
- D LB7 at 450nm and 1064nm
- Max. dimension: 1840×1150mm
- Visible light transmission appr. 52%

Transmission-/OD Curve P1P20**



Window	P1P20
Colour	Full Protection
Colour	Gold
Certification	EN 60825-4
VLT (approx.)	52%
Visual Brightness	Very Good
Colour View	Good
Filter Thickness	approx. 6mm*

Protection according to DIN EN 60825-4:2011

200-469nm	102 kW/m ²	T2	t _{max} =105s
850-1084nm	102 kW/m ²	T2	t _{max} =105s
4700-25000nm	103 kW/m ²	T2	t _{max} =105s

Wavelength [nm]	OD	Wavelength [nm]	
180 – 458	10+	180–315	D LB10+IR LB4+M LB6Y
>458 – 462	8+	>315–462	D LB7+IR LB8+M LB8Y
>462 – 466	6+	>462–466	DIRM LB6
800 – <830	3+	800–<830	DIRM LB3
830 – <850	4+	830–<850	DIRM LB4
850 – <880	5+	850–<880	DIRM LB5
880 – <910	6+	880–<910	DIRM LB6
910 – <940	7+	910–<940	DIRM LB7
940 – <955	8+	940–<955	D LB7+IR LB8+M LB8Y
955 – <975	9+	>1055–1064	DIRM LB7
975 – 1035	10+	>1064–1075	DIRM LB6
>1035 – 1045	9+	>1075–1084	DIRM LB5
>1045 – 1055	8+	>1084–1095	DIRM LB4
>1055 – 1064	7+	>1095–1105	DIRM LB3
>1064 – 1075	6+	5180–14700	DI LB5+R LB3Y
>1075 – 1084	5+		
>1084 – 1095	4+		
>1095 – 1105	3+		
5180 – 14700	10+		

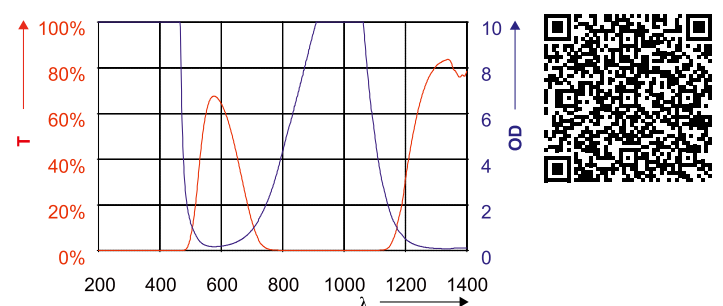
Dimension [mm]	Art. Number
200 x 100	000.P1P20.2601
297 x 210	000.P1P20.2602
450 x 300	000.P1P20.2606
600 x 450	000.P1P20.2607

Window P1P21



- For high power diodes, disc-, Nd:YAG-, fiber-, CO₂-laser
- High protection levels
- 50% VLT
- Scratch resistant on both sides

Transmission-/OD Curve P1P21**



Window	P1P21
Colour	Full Protection
Colour	Gold
Certification	EN60825-4/EN 12254/EN207
VLT (approx.)	approx. 50%
Visual Brightness	Very Good
Colour View	Good
Filter Thickness	approx. 3mm*

Protection according to DIN EN 60825-4

200-470nm	40,7 kW/m ²	T2	t _{max} =105s
815-100nm	40,7 kW/m ²	T2	t _{max} =105s
5230-14250nm	50,9 kW/m ²	T2	t _{max} =105s

Wavelength [nm]	OD	Wavelength [nm]	
180 – 460	10+	180 – 315	D LB10+IR LB4 + M LB6Y
>460 – 464	8+	>315–464	D LB6+IR LB8+M LB8Y
>464 – 466	6+	>464–466	DIRM LB6
780 – <800	3+	780–<800	DIRM LB3
800 – <815	4+	800–<815	DIRM LB4
815 – <835	5+	815–<835	DIRM LB5
835 – <860	6+	835–<860	DIRM LB6
860 – <880	7+	860–<880	D LB6+IRM LB7
880 – <905	8+	880–<905	D LB6+IR LB8+M LB8Y
905 – <940	9+	>1075–1081	D LB6+IRM LB7
940 – 1055	10+	>1081–1090	DIRM LB6
>1055 – 1065	9+	>1090–1100	DIRM LB5
>1065 – 1075	8+	>1100–1110	DIRM LB4
>1075 – 1081	7+	4780–5050	DI LB4+R LB3Y+M LB5Y
>1081 – 1090	6+	>5230–14570	DI LB4+R LB3Y+M LB6Y
>1090 – 1100	5+		
>1100 – 1110	4+		
4780 – 5050	5+		
5230 – 14570	8+		

Dimension [mm]	Art. Number
200 x 100	000.P1P21.2001
297 x 210	000.P1P21.2602
450 x 300	000.P1P21.2606
600 x 450	000.P1P21.2607