BWF conePRISM

Optimum glare control & modern design

Our latest glare control structure convinces through **perfect light control** combined with a modern and delicate design. The highly precise structure with its **homogeneous appearance** creates optimum conditions at work stations.

In addition with the new BWF conePRISM structure glare-free and highly efficient light lines can be realised due to our excellent profile quality.

APPLICATION

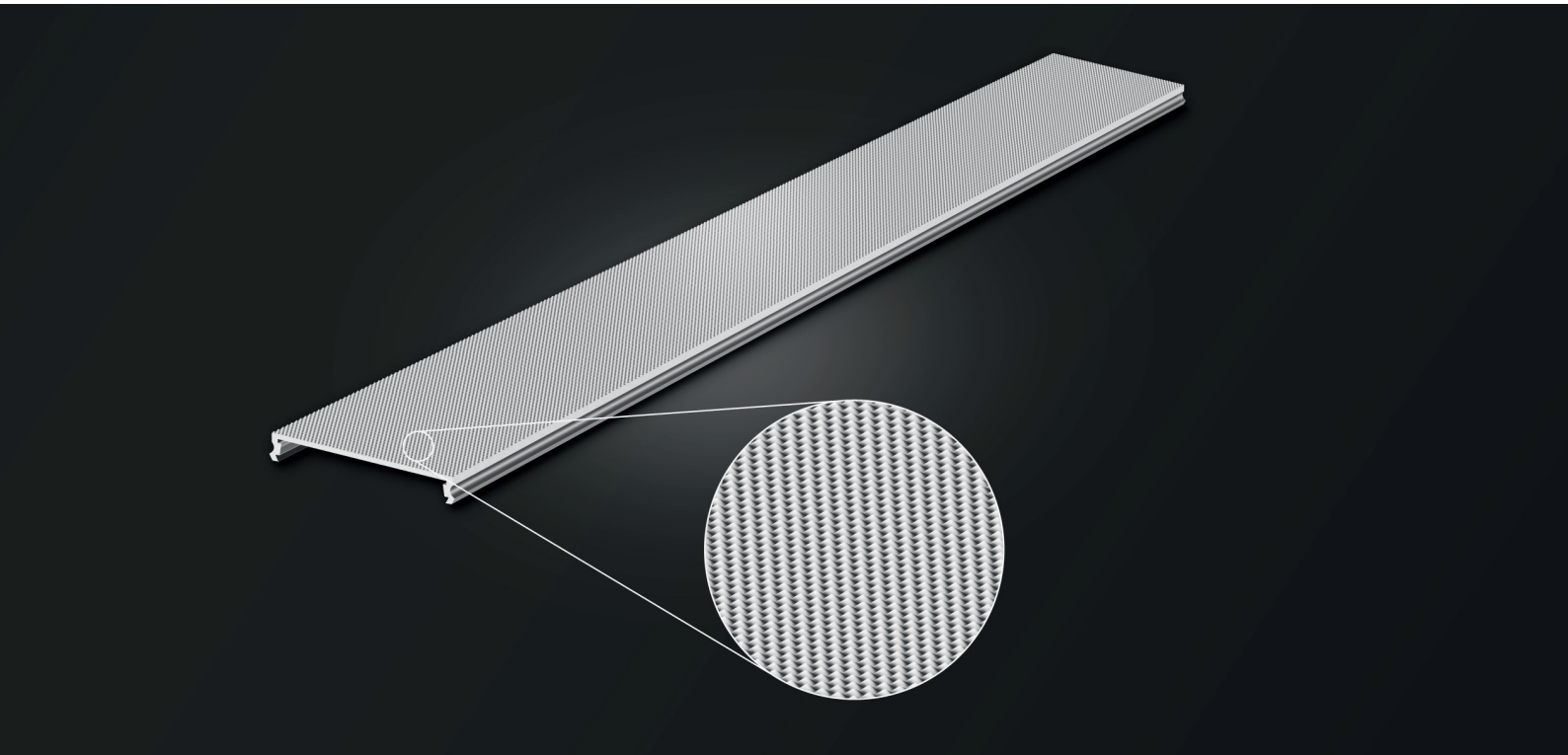
- excellent lighting for work stations
- glare-reducing luminaires
- architectural light lines and ceilings

YOUR ADVANTAGES AT A GLANCE

COMPARISON TO PROFILE WITH INSERTED SHEET

- solution in one product
- contribution of less material usage
- reducing assembly costs
- minimising lateral light flashes by an edgeless embossing
- perfect in combination with our diffusion foils

PRODUCT INFORMATION	
Material	PC and PMMA
Wall thickness	from 1.8 mm
Available colours	– clear / colourless – diffuse colouring
Available widths	– PMMA up to 120 mm – PC up to 100 mm – larger widths in progress

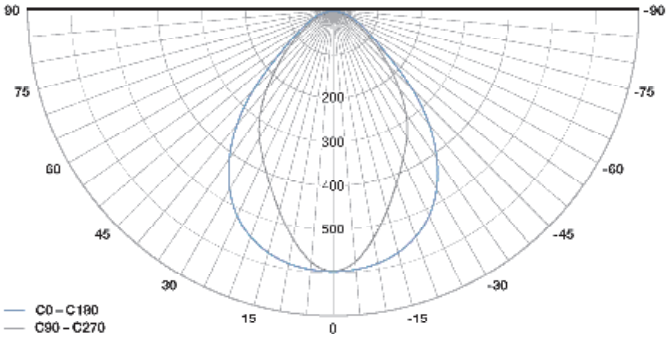


TECHNICAL SPECIFICATIONS

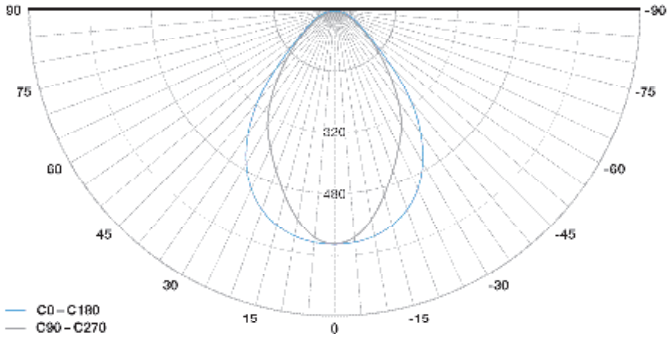
OPTICAL CHARACTERISTICS	Unit	NORM	PMMA	PC
Transmission (3 mm)	%	DIN 5036-3	92	89
UGR*			18.9	18.6
Efficiency*	%	DIN 5036-3	91	82
Half-value angle*	°C 0/C90		85.4/69.8	81.4/69.6

LIGHT DISTRIBUTION CURVES*

PMMA



PC



MECHANICAL CHARACTERISTICS	Unit	NORM	PMMA	PC
Tensile modulus	MPa	DIN EN ISO 527-1-3	3200	2400
Yield stress	MPa	DIN EN ISO 527	73 (5 mm/min)	65 (50 mm/min)
Nominal strain	%	DIN EN ISO 527	3,5 (5 mm/min)	100 (50 mm/min)
Charpy impact resistance (23 C)	kJ/m²	ISO 179/1eU	20	N.B

THERMAL CHARACTERISTICS	Unit	NORM	PMMA	PC
Heat deflection temperature (1.80 MPa)	°C	ISO 75-1/-2	95	128
Coefficient of linear expansion (lengthwise)	E-4/K	ISO 11359-1/-2	0.8	0.65

PHYSICAL CHARACTERISTICS	Unit	NORM	PMMA	PC
Moisture absorption	%	similar to ISO 62	0.6	0.12
Density	kg/m³		1.18	1.2

* Light area 1000 x 35 mm – 1100 lumen

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