

BWF conePRISM sheet

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.

Thanks to the large sheet format, there are countless design options, whether square, angular or round cuts.

APPLICATIONS

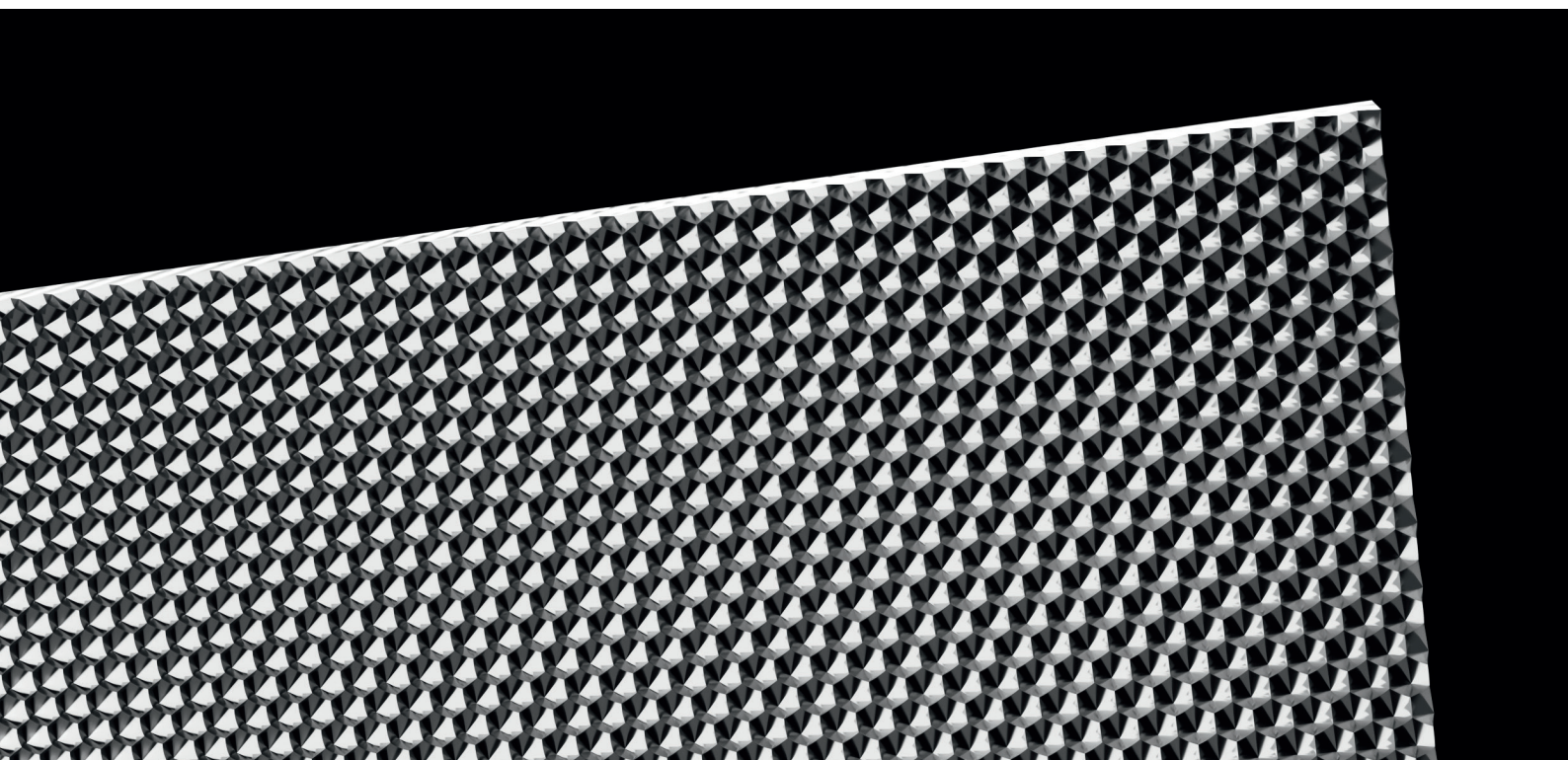
- excellent lighting for workstations
- glare-reducing luminaires
- architectural light lines and ceilings

YOUR ADVANTAGES AT A GLANCE

- for lighting purposes UGR < 19
- optimum lighting for workstations
- uniform, all-round glare control in all C-levels
- perfect in combination with our diffusion foils

PRODUCT INFORMATION

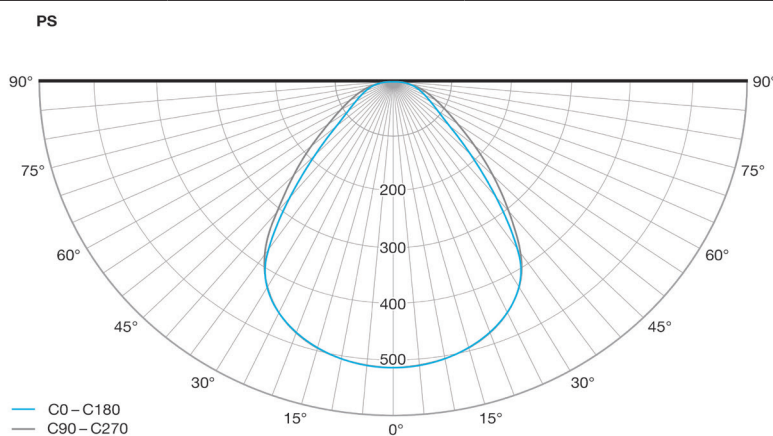
| | |
|--------------------------|---|
| Material | PS (UV-resistant) |
| Wall thickness | 1.5 mm |
| Available colours | – clear – individual colouring on request |
| Format | 1250 x 2450 mm individual cutting lengths on request |



TECHNICAL SPECIFICATIONS

| OPTICAL CHARACTERISTICS | Unit | NORM | PS |
|-------------------------|------------|------------|-------------|
| Transmission (3 mm) | % | DIN 5036-3 | 90 |
| UGR* | | | 18.6 |
| Half-value angle* | C 0 / C 90 | | 81.2 / 86.4 |

LIGHT DISTRIBUTION CURVE*



| MECHANICAL CHARACTERISTICS | Unit | NORM | PS |
|-------------------------------|-------------------|--------------------|-----------------|
| Tensile modulus | MPa | DIN EN ISO 527-1-3 | 3100 |
| Yield stress | MPa | DIN EN ISO 527 | 45 (5 mm / min) |
| Nominal strain | % | DIN EN ISO 527 | 2 (5 mm / min) |
| Izod impact resistance (23 C) | kJ/m ² | ASTM D256 | 23.2 |

| THERMAL CHARACTERISTICS | Unit | NORM | PS |
|--|-------|----------------|-----|
| Heat deflection temperature (1,80 MPa) | °C | ISO 75-1/-2 | 85 |
| Coefficient of linear expansion (lengthwise) | E-4/K | ISO 11359-1/-2 | 0.8 |

| PHYSICAL CHARACTERISTICS | Unit | NORM | PS |
|--------------------------|-------------------|-------------------|------|
| Moisture absorption | % | similar to ISO 62 | 0.1 |
| Density | kg/m ³ | | 1.04 |

BWF Kunststoffe GmbH & Co. KG
 Bahnhofstr 20
 89362 Offingen
 Germany
 T +49 8224 71-990
 info@bwf-profiles.com

www.bwf-profiles.com

*Lighting area 600 x 600 mm – 5200 lumen