

## BWF colourLED® Polycarbonate

If not stated otherwise, the given values result from tests which were realised using standardised specimen at room temperature. The given figures are indications only and therefore not binding. Please note the properties can be significantly affected by the tooling, the processing conditions as well as by the tolerances which are given due to the material.

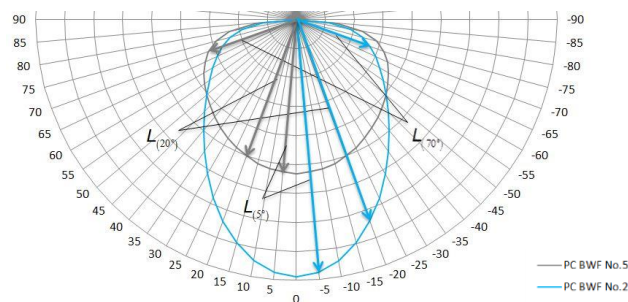
Optical Characteristics *	Unit	Standard	Data		
BWF colourLED® white			No. 1	No. 2	No. 5
Transmission $\tau$ (A)	%	DIN 5036-3	85.0	75.0	65.0
Half-life angle $\gamma$	°	DIN 5036-3	19.0	46.0	77.0
Diffusion $\sigma$		DIN 5036-3	0.31	0.58	0.78

$\tau$  Measured with standard light A, specimen for all tests: wall thickness 2 mm

\* The test were realised by an external, independent and accredited institute

### Explanation

**Definition Diffusion  $\sigma$ :** 
$$\sigma = \frac{L_{(20^\circ)} + L_{(70^\circ)}}{2L_{(5^\circ)}}$$



**Definition half-life angle  $\gamma$ :** 
$$L_{(\gamma)} = \frac{L_{(0^\circ)}}{2}$$

