SWAROWING Classic

Article Number: 5020

BASE BODY

Article Number two-way reflective	5020
Dimensions	220 x 150 x 285 mm
Body Material	ABS modified
Body Colors	white / yellow / orange
Compressive Strength	25 tons
Reflective Insert – Base Body	art.3569
Reflective Insert – Rubber Flag	art.3671
Number of Inserts per Side	2
Angle of Inclination – Base Body	30°
Angle of Inclination – Rubber Flag	0°
Comment	base plate = 25 mm high

REFLECTIVE INSERT – Base Body

Article Number	3569
Dimensions	181.9 x 18.1 mm
Plastic Colors	white / yellow / orange
Reflective Material	high resistant biconvex glass reflectors
Colors of Reflective Material	white / yellow (amber) / red
Number of Elements	128
Tilted	0°

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REFLECTIVE INSERT – Rubber Flag

Article Number	3671
Dimensions	Ø 41 mm
Plastic Colors	white / yellow / red
Reflective Material	high resistant biconvex glass reflectors
Colors of Reflective Material	white / yellow (amber) / red
Number of Elements	45
Tilted	0°

COEFFICIENT OF LUMINOUS INTENSITY ACCORDING TO EN 1463-1

Angle of observation α **Entrance angle β_H**	0.3° ± 5°	1° ± 10°	2° ± 15°
Unit	mcd/lx	mcd/lx	mcd/lx
Minimum Requirement			
white	20	10	2
yellow (amber)	12 (10)	6 (5)	1.2 (1)
red	4	2	0.4
1 x art. 5020 / 3569			
white	340	120	15
yellow (amber)	150	100	12
red	60	36	4.9
1 x art. 3671			
white	340	31	4.6
yellow (amber)	210	17	2.4
red	80	6.6	0.9

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SWAROWING Classic

COEFFICIENT OF LUMINOUS INTENSITY ACCORDING TO ASTM D4280

Angle of observation α **Entrance angle β_H**	0.2° 0°	0.2° ± 20°
Unit	mcd/lx	mcd/lx
Minimum Requirement		
white	279	112
yellow	167	67
red	70	28
1 x art. 3671		
white	470	240
yellow (amber)	300	130
red	100	55

TYPICAL CHROMATICITY COORDINATES

Angle of observation α=0.3° **Entrance angle β_H=5°** **CIE Standard illuminant A**	x	y
white	0.470	0.422
yellow (amber)	0.574	0.420
red	0.679	0.320

Vomp, 2014-07-15

Established by Graber Gerald

Approved by Mag. Anton Flir

Competence Centre Optics & Lights

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