

Photometric test report

Family
Monsun® 11

Order number: 51FF40MP360L
EAN: 4069025273932

LP number
59020_8



Version prismatic diffuser, opal, PMMA, impact resistant, wide distribution
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 5790 lm
 Power consumption = 31.4 W
 Luminous efficacy = 184.4 lm/W

serial
documentation
23.10.2024

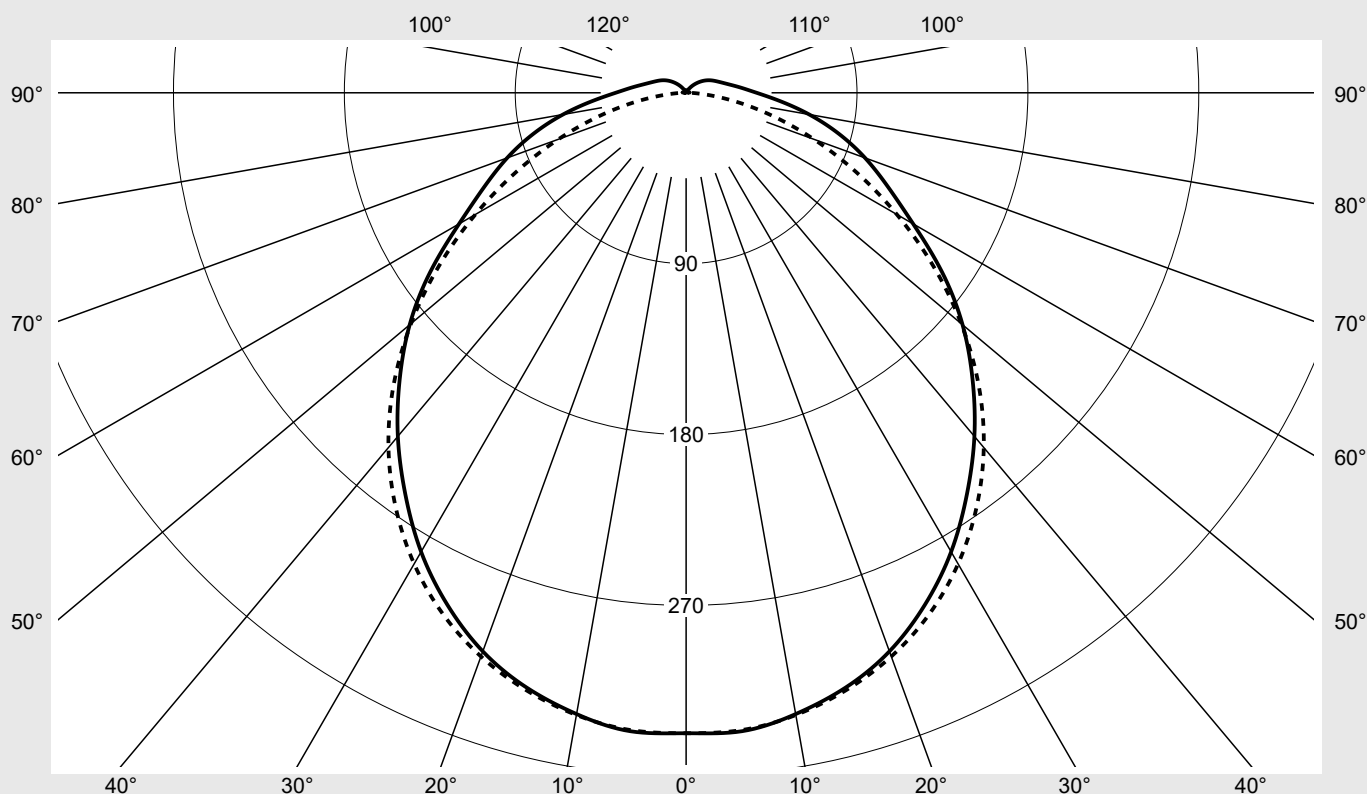
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 338 cd/klm



Classifications

DIN 5040 A 4 1
 CIE N1=47 N2=77 N3=93
 N4=95 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 94.8%
 ϕ_o 5.2%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	337.3	337.3	337.3	337.3	337.3	337.3	337.3	2.0	2.0
5°	337.5	336.4	334.5	335.8	337.2	336.9	336.9	16.1	18.1
10°	332.2	331.9	329.8	331.2	333.0	332.9	332.8	31.6	49.7
15°	324.3	324.6	322.6	323.9	325.4	325.8	325.7	46.0	95.7
20°	313.1	314.1	312.1	313.6	315.1	315.7	315.9	58.9	154.6
25°	297.5	298.9	297.5	299.8	301.9	302.4	303.0	69.5	224.1
30°	279.2	281.0	279.9	281.8	284.8	285.5	286.5	77.5	301.6
35°	257.9	260.0	259.0	261.1	264.4	265.2	266.6	82.4	384.0
40°	236.2	237.9	236.5	237.1	240.1	242.3	243.9	84.2	468.2
45°	213.3	214.4	212.9	211.4	213.4	215.8	217.9	82.9	551.1
50°	190.1	190.6	188.8	186.3	185.4	186.8	189.1	78.9	630.0
55°	164.5	165.1	164.4	160.2	157.7	156.9	158.8	72.3	702.3
60°	138.1	138.1	137.0	134.7	130.2	127.4	128.2	63.3	765.6
65°	117.3	116.4	112.4	108.2	104.2	99.4	98.8	53.7	819.3
70°	100.3	99.0	91.7	84.5	79.3	73.6	71.6	44.1	863.5
75°	83.2	81.7	74.7	65.1	57.1	50.8	47.3	34.8	898.3
80°	65.8	64.5	59.3	48.9	38.3	30.8	26.4	25.9	924.2
85°	49.5	48.3	44.5	35.6	23.7	15.0	10.1	17.9	942.1
90°	37.1	36.3	33.4	26.4	15.8	6.7	2.1	12.6	954.7
95°	29.4	28.9	27.0	22.0	13.4	5.0	1.8	10.2	964.9
100°	23.9	23.5	21.8	17.7	11.0	3.7	1.6	8.1	973.0
105°	20.2	19.6	17.9	14.3	8.4	2.4	1.4	6.5	979.5
110°	17.5	16.7	15.0	11.5	6.2	1.4	1.2	5.2	984.7
115°	15.3	14.5	12.7	9.2	4.4	1.2	1.1	4.2	988.8
120°	13.2	12.3	10.5	7.1	2.9	1.2	1.0	3.2	992.1
125°	11.0	10.1	8.2	5.1	1.7	1.1	1.0	2.4	994.5
130°	8.6	7.8	6.1	3.4	1.3	1.0	1.0	1.7	996.2
135°	6.4	5.7	4.2	2.0	1.3	1.0	1.0	1.2	997.3
140°	4.2	3.7	2.5	1.6	1.3	1.1	1.1	0.7	998.1
145°	2.4	2.1	1.8	1.6	1.3	1.1	1.1	0.5	998.6
150°	1.9	1.8	1.7	1.5	1.2	1.2	1.2	0.4	999.0
155°	1.7	1.7	1.6	1.5	1.3	1.3	1.3	0.3	999.4
160°	1.6	1.6	1.5	1.3	1.3	1.3	1.3	0.3	999.6
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.2	999.8
170°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.3	1.3	1.4	1.4	0.1	1000.0
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1000.0

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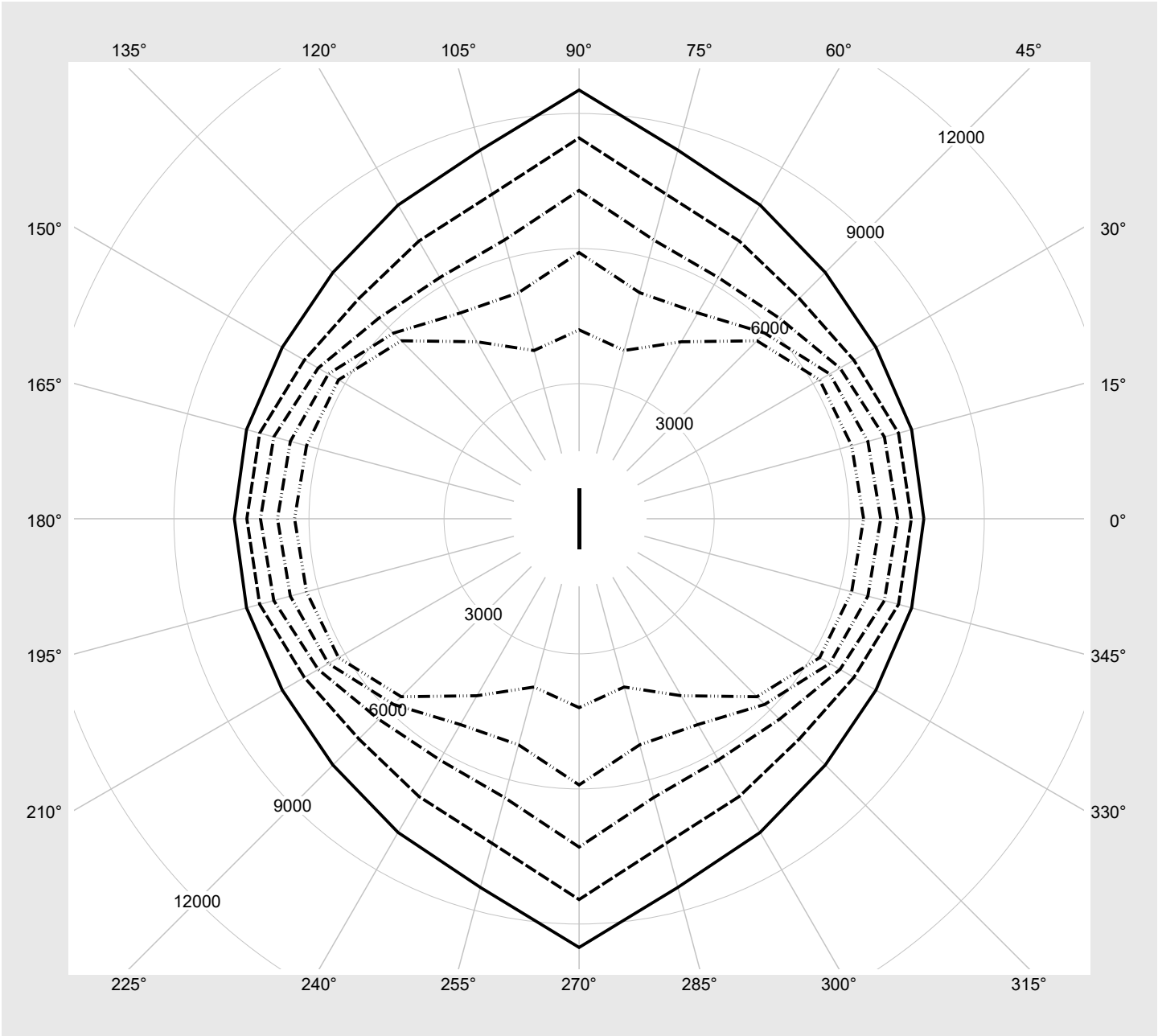
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UGR-Table		Standard room							siTeco		
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	19.8	21.5	20.2	21.9	22.2	20.1	21.8	20.5	22.1	22.5
	3H	21.5	23.0	21.9	23.4	23.7	21.4	23.0	21.8	23.3	23.7
	4H	22.3	23.7	22.7	24.1	24.4	21.9	23.4	22.3	23.7	24.1
	6H	23.0	24.4	23.4	24.7	25.1	22.3	23.6	22.7	24.0	24.4
	8H	23.4	24.6	23.8	25.0	25.4	22.4	23.6	22.8	24.0	24.4
	12H	23.7	24.9	24.1	25.3	25.7	22.4	23.6	22.9	24.0	24.4
4H	2H	20.5	22.0	20.9	22.3	22.7	20.8	22.2	21.1	22.5	22.9
	3H	22.4	23.6	22.8	24.0	24.4	22.2	23.5	22.7	23.9	24.3
	4H	23.3	24.4	23.7	24.8	25.3	22.8	24.0	23.3	24.4	24.8
	6H	24.2	25.2	24.7	25.6	26.1	23.3	24.3	23.7	24.7	25.2
	8H	24.6	25.5	25.1	26.0	26.4	23.4	24.3	23.9	24.8	25.2
	12H	25.0	25.8	25.5	26.3	26.8	23.5	24.3	24.0	24.8	25.3
8H	4H	23.6	24.5	24.1	25.0	25.4	23.2	24.1	23.7	24.5	25.0
	6H	24.7	25.5	25.2	25.9	26.4	23.8	24.5	24.3	25.0	25.5
	8H	25.2	25.9	25.7	26.4	26.9	24.0	24.7	24.5	25.1	25.7
	12H	25.8	26.4	26.3	26.9	27.4	24.1	24.7	24.6	25.2	25.7
12H	4H	23.7	24.5	24.1	24.9	25.4	23.3	24.1	23.8	24.6	25.0
	6H	24.8	25.5	25.3	25.9	26.5	23.9	24.6	24.4	25.1	25.6
	8H	25.4	26.0	25.9	26.5	27.0	24.2	24.8	24.7	25.3	25.8

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1590 B = 87		H(C0) = 21 H(C90) = 21		H(C180) = 21 H(C270) = 21	
C-planes	γ	0°	15°	30°	45°	60°	75°	90°	180°	210°	270°
		180°	165°	150°	135°	120°	105°				
Luminance in cd/m²											
45°		10172.4	10261.6	10366.0	10604.4	11159.9	11881.7	12731.9			
50°		9611.5	9680.0	9782.0	9990.3	10430.8	11163.7	12123.5			
55°		8926.8	9004.7	9169.8	9298.5	9678.6	10337.0	11376.2			
60°		8151.8	8203.3	8351.4	8594.0	8868.6	9432.0	10489.2			
65°		7658.0	7647.7	7612.8	7734.0	8043.5	8475.1	9519.9			
70°		7380.4	7345.9	7046.9	6917.3	7119.9	7462.6	8456.4			
75°		7077.3	7021.2	6692.5	6296.3	6185.6	6408.3	7291.3			
80°		6699.7	6640.6	6430.7	5830.5	5277.2	5197.6	5911.5			
85°		6319.9	6268.6	6169.8	5588.7	4538.2	3868.3	4194.7			

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Luminance values in cd/m²		siteco
γ 65° γ 70° γ 75° γ 80° γ 85°		



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Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	5790	31.4
2	A	C	F	5580	30.2
3	A	D	E	5290	28.5
4	A	D	F	5000	26.9
5	B	C	E	4710	25.3
6	B	C	F	4410	23.7
7	B	D	E	4240	22.7
8	B	D	F	4080	21.9