

Photometric test report

Family
Monsun® 11

Order number: 51FP22MP4B0U
EAN: 4069025253262

LP number
59059_10



Version prismatic diffuser, opal, polycarbonate, medium distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 10520 lm
Power consumption = 62.4 W
Luminous efficacy = 168.6 lm/W

serial
documentation
12.11.2025

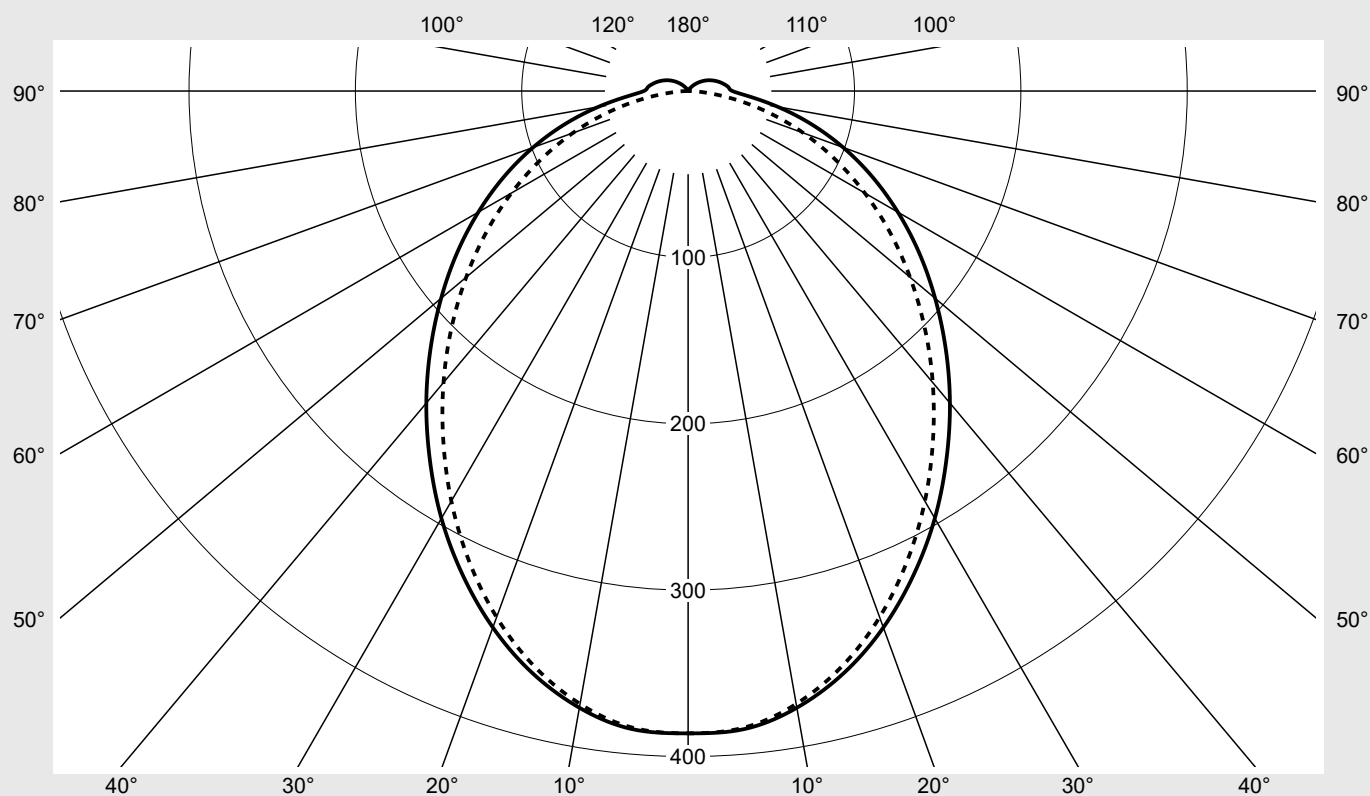
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 386 cd/klm



Classifications

DIN 5040 A 4 1
CIE N1=49 N2=78 N3=94
N4=96 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 95.7%
 ϕ_o 4.3%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
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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°	386.1	386.1	386.1	386.1	386.1	386.1	386.1	2.3	2.3
5°	385.0	383.6	381.1	382.2	383.7	383.7	384.1	18.3	20.6
10°	376.4	374.9	372.1	372.9	373.9	373.8	374.1	35.6	56.2
15°	362.1	360.6	357.5	357.6	358.1	357.6	357.8	50.9	107.1
20°	343.1	341.6	338.1	337.5	337.4	336.4	336.5	63.5	170.5
25°	320.8	319.3	315.3	313.8	313.1	311.7	311.6	72.9	243.5
30°	296.6	295.0	290.7	288.0	286.5	284.8	284.6	79.3	322.7
35°	270.6	269.0	264.8	261.3	258.6	256.7	256.6	82.5	405.2
40°	244.8	243.1	239.0	234.7	231.1	228.9	228.7	83.0	488.2
45°	219.0	217.0	213.1	208.0	204.0	201.1	201.1	81.0	569.2
50°	193.8	191.7	188.2	182.7	178.0	174.2	174.1	76.9	646.1
55°	169.5	167.4	164.1	158.3	152.9	148.5	148.1	71.1	717.2
60°	145.6	143.6	140.4	134.6	128.8	123.6	122.6	63.7	780.8
65°	122.3	120.5	117.1	111.4	105.6	99.9	97.8	55.0	835.9
70°	99.2	97.7	93.7	88.4	82.6	76.6	73.7	45.1	881.0
75°	76.5	75.1	71.0	65.8	59.8	53.8	50.2	34.3	915.3
80°	54.8	53.3	49.6	44.1	38.2	32.1	28.1	23.3	938.6
85°	36.7	35.2	31.7	26.4	20.3	14.3	10.0	13.8	952.3
90°	26.6	25.3	21.8	16.8	10.9	5.1	1.3	8.6	960.9
95°	24.4	23.3	20.0	15.2	9.4	3.8	1.1	7.7	968.6
100°	22.4	21.2	18.1	13.4	8.0	2.7	1.0	6.8	975.3
105°	20.1	19.0	15.9	11.5	6.4	1.8	0.9	5.7	981.1
110°	17.7	16.5	13.7	9.6	4.8	1.1	0.9	4.7	985.8
115°	15.2	14.1	11.5	7.7	3.5	1.1	0.9	3.8	989.6
120°	12.8	11.7	9.4	5.9	2.3	1.1	0.9	2.9	992.5
125°	10.3	9.3	7.2	4.2	1.4	1.0	0.9	2.1	994.7
130°	7.9	7.1	5.2	2.8	1.3	1.1	0.9	1.5	996.2
135°	5.6	5.0	3.5	1.7	1.4	1.1	1.0	1.0	997.2
140°	3.6	3.1	2.1	1.6	1.4	1.2	1.1	0.7	997.9
145°	2.1	2.0	1.8	1.7	1.4	1.3	1.2	0.5	998.5
150°	2.0	1.9	1.8	1.6	1.5	1.4	1.3	0.4	998.9
155°	1.9	1.8	1.7	1.6	1.5	1.4	1.4	0.4	999.3
160°	1.7	1.7	1.6	1.5	1.5	1.5	1.4	0.3	999.6
165°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	0.2	999.8
170°	1.5	1.5	1.4	1.4	1.4	1.4	1.4	0.1	999.9
175°	1.4	1.4	1.4	1.4	1.5	1.5	1.4	0.1	1000.0
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1000.0

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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	22.1	23.8	22.4	24.1	24.4	21.9	23.6	22.3	23.9	24.2
	3H	23.7	25.2	24.0	25.5	25.9	23.4	24.9	23.8	25.2	25.6
	4H	24.3	25.8	24.7	26.1	26.5	23.9	25.4	24.3	25.7	26.1
	6H	24.9	26.2	25.3	26.6	27.0	24.3	25.7	24.7	26.0	26.4
	8H	25.2	26.4	25.6	26.8	27.2	24.5	25.7	24.9	26.1	26.5
	12H	25.3	26.5	25.8	26.9	27.3	24.5	25.7	24.9	26.1	26.5
4H	2H	22.8	24.2	23.1	24.5	24.9	22.6	24.1	23.0	24.4	24.8
	3H	24.5	25.8	24.9	26.1	26.5	24.3	25.5	24.7	25.9	26.3
	4H	25.3	26.4	25.8	26.8	27.3	25.0	26.1	25.4	26.5	26.9
	6H	26.0	27.0	26.5	27.4	27.9	25.4	26.4	25.9	26.8	27.3
	8H	26.3	27.2	26.8	27.6	28.1	25.6	26.5	26.1	26.9	27.4
	12H	26.6	27.4	27.1	27.8	28.3	25.7	26.5	26.2	26.9	27.4
8H	4H	25.6	26.5	26.1	27.0	27.4	25.3	26.2	25.8	26.6	27.1
	6H	26.5	27.2	26.9	27.7	28.2	25.9	26.7	26.4	27.1	27.6
	8H	26.8	27.5	27.3	28.0	28.5	26.1	26.8	26.6	27.3	27.8
	12H	27.2	27.7	27.7	28.2	28.8	26.3	26.8	26.8	27.3	27.9
12H	4H	25.7	26.5	26.2	26.9	27.4	25.4	26.2	25.9	26.6	27.1
	6H	26.5	27.2	27.0	27.7	28.2	26.0	26.7	26.5	27.1	27.7
	8H	26.9	27.5	27.5	28.0	28.5	26.3	26.8	26.8	27.3	27.9

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° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45°		18970.0	18874.7	18857.7	18956.6	19377.5	20110.3	21343.6
50°		17806.8	17691.6	17716.2	17800.2	18191.0	18914.7	20281.4
55°		16715.0	16585.4	16636.0	16694.5	17053.9	17775.0	19276.7
60°		15614.7	15497.3	15542.9	15603.0	15942.6	16638.1	18230.3
65°		14497.1	14381.7	14404.1	14462.9	14808.9	15477.7	17117.8
70°		13262.2	13165.5	13086.7	13157.3	13473.1	14113.6	15806.9
75°		11820.4	11724.4	11551.5	11558.3	11769.3	12338.3	14045.0
80°		10132.2	9961.8	9773.8	9557.9	9564.6	9864.8	11439.2
85°		8510.6	8289.4	7974.5	7535.6	7066.5	6700.4	7599.5

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Luminance values in cd/m²

γ 65°

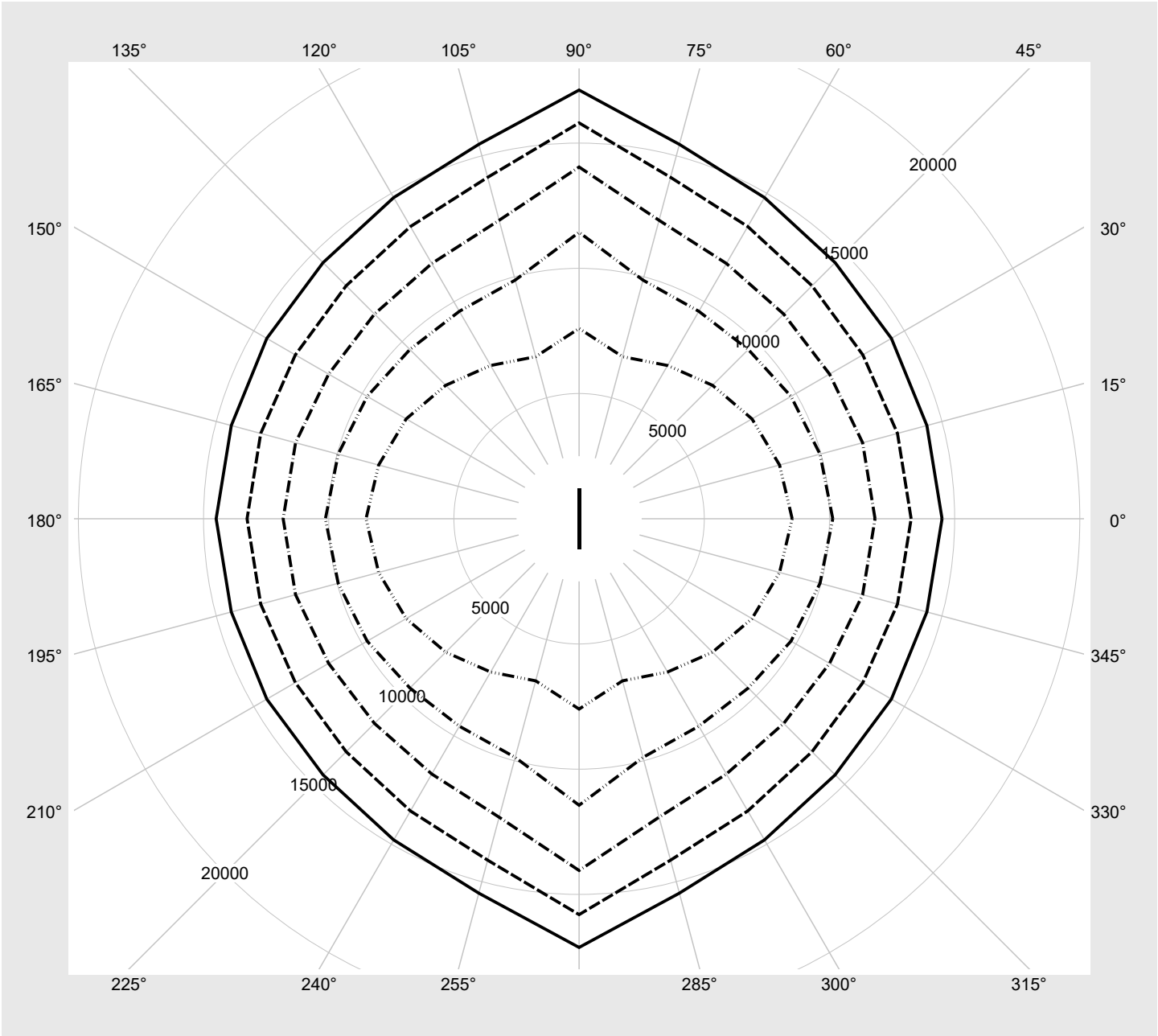
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Family Monsun® 11	Order number: 51FP22MP4B0U EAN: 4069025253262	LP number 59059_10
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10520	62.4
2	A	C	F	9930	58.6
3	A	D	E	9420	55.2
4	A	D	F	8960	52.3
5	B	C	E	8430	49.0
6	B	C	F	7960	46.1
7	B	D	E	7560	43.7
8	B	D	F	7030	40.4