

Photometric test report

Family
Monsun® 11

Order number: 51FP20MP4B0U
EAN: 4069025242631

LP number
59060_206



Version prismatic diffuser, opal, polycarbonate, wide distribution

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG Multilumen

Rated values Net luminous flux = 10910 lm
Power consumption = 62.4 W
Luminous efficacy = 174.8 lm/W

serial
documentation
12.11.2025

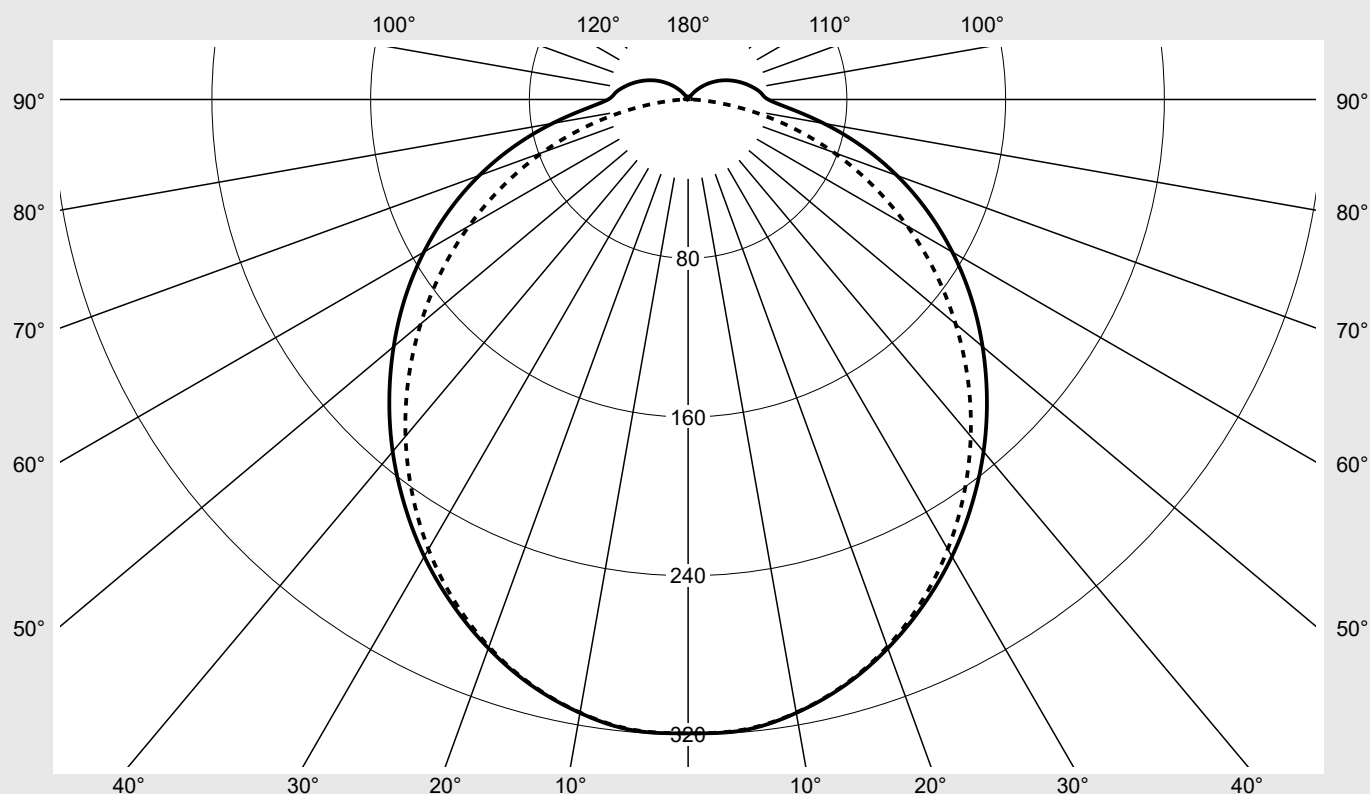
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 319 cd/klm



Classifications

DIN 5040 A 4 1
CIE N1=45 N2=75 N3=93
N4=94 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 93.7%
 ϕ_o 6.3%

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°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	1.9	1.9
5°	319.1	317.8	316.0	317.2	318.6	318.6	318.8	15.2	17.1
10°	313.9	312.8	311.0	312.1	313.5	313.5	313.7	29.8	46.9
15°	305.6	304.7	302.7	303.7	305.0	304.9	305.2	43.2	90.1
20°	294.3	293.5	291.4	292.2	293.3	293.1	293.5	54.9	145.0
25°	280.9	280.2	277.7	277.9	278.8	278.5	278.8	64.6	209.6
30°	265.9	265.3	262.4	261.6	261.9	261.4	261.7	72.0	281.6
35°	249.2	248.5	245.6	243.7	242.9	242.2	242.4	77.0	358.5
40°	231.6	230.8	227.5	224.6	222.7	221.4	221.6	79.5	438.0
45°	212.9	211.8	208.5	204.2	201.3	199.0	199.4	79.5	517.5
50°	193.7	192.3	188.8	183.7	179.4	175.9	176.0	77.3	594.9
55°	174.1	172.4	168.8	162.7	157.2	152.3	152.1	73.1	667.9
60°	153.8	152.1	148.1	141.4	134.9	128.8	127.5	66.9	734.9
65°	133.1	131.4	127.0	119.9	112.8	105.5	102.8	59.2	794.0
70°	112.0	110.4	105.0	98.0	90.2	82.2	78.2	49.9	843.9
75°	90.5	88.8	83.0	75.7	67.3	58.8	53.6	39.3	883.2
80°	69.4	67.4	62.0	54.0	45.3	36.4	30.4	28.3	911.6
85°	51.2	49.1	43.8	35.9	26.7	17.7	11.3	18.6	930.2
90°	40.3	38.3	33.0	25.3	16.4	7.5	1.9	12.9	943.1
95°	36.9	35.1	30.2	22.8	14.1	5.6	1.6	11.6	954.7
100°	33.7	31.9	27.1	20.1	11.9	4.0	1.5	10.1	964.8
105°	30.1	28.5	23.8	17.3	9.5	2.6	1.3	8.6	973.4
110°	26.5	24.6	20.5	14.4	7.3	1.5	1.2	7.1	980.4
115°	22.8	21.1	17.3	11.6	5.2	1.3	1.2	5.7	986.1
120°	19.1	17.5	14.1	8.9	3.4	1.3	1.1	4.4	990.5
125°	15.4	13.9	10.8	6.2	1.7	1.2	1.0	3.2	993.6
130°	11.8	10.5	7.7	3.9	1.4	1.2	1.0	2.2	995.8
135°	8.3	7.2	5.0	2.0	1.4	1.2	1.1	1.4	997.2
140°	5.1	4.3	2.5	1.6	1.3	1.1	1.0	0.8	998.0
145°	2.4	2.0	1.8	1.6	1.4	1.2	1.2	0.5	998.5
150°	1.9	1.9	1.8	1.5	1.4	1.3	1.2	0.4	999.0
155°	1.8	1.8	1.6	1.5	1.4	1.3	1.3	0.4	999.3
160°	1.6	1.6	1.5	1.5	1.4	1.4	1.3	0.3	999.6
165°	1.5	1.5	1.4	1.4	1.4	1.4	1.3	0.2	999.8
170°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.4	1.4	1.4	1.3	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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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	22.4	24.1	22.8	24.4	24.8	22.2	23.9	22.6	24.3	24.6
	3H	24.2	25.8	24.6	26.1	26.5	23.8	25.3	24.1	25.7	26.0
	4H	25.0	26.5	25.4	26.9	27.2	24.4	25.9	24.8	26.2	26.6
	6H	25.8	27.1	26.2	27.5	27.9	24.8	26.2	25.2	26.5	26.9
	8H	26.1	27.4	26.5	27.8	28.2	24.9	26.2	25.4	26.6	27.0
	12H	26.4	27.6	26.8	28.0	28.4	25.0	26.2	25.4	26.6	27.1
4H	2H	23.1	24.6	23.5	25.0	25.3	23.0	24.5	23.4	24.8	25.2
	3H	25.1	26.4	25.6	26.8	27.2	24.7	26.0	25.2	26.4	26.8
	4H	26.1	27.3	26.5	27.7	28.1	25.5	26.6	25.9	27.0	27.5
	6H	27.0	28.0	27.4	28.4	28.9	26.0	27.0	26.5	27.5	27.9
	8H	27.4	28.3	27.8	28.7	29.2	26.2	27.1	26.6	27.6	28.0
	12H	27.7	28.6	28.2	29.0	29.5	26.3	27.1	26.8	27.6	28.1
8H	4H	26.4	27.4	26.9	27.8	28.3	25.9	26.8	26.4	27.3	27.8
	6H	27.5	28.3	28.0	28.7	29.2	26.6	27.4	27.1	27.8	28.3
	8H	28.0	28.7	28.5	29.2	29.7	26.8	27.5	27.3	28.0	28.5
	12H	28.5	29.1	29.0	29.6	30.1	27.0	27.6	27.5	28.1	28.6
12H	4H	26.5	27.3	27.0	27.8	28.3	26.0	26.8	26.5	27.3	27.8
	6H	27.6	28.3	28.1	28.7	29.3	26.7	27.4	27.2	27.9	28.4
	8H	28.1	28.7	28.6	29.2	29.8	27.0	27.6	27.5	28.1	28.7

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°		19133.5	19107.1	19128.6	19304.4	19827.6	20641.8	21946.4
50°		18458.6	18404.5	18433.5	18560.7	19018.9	19804.1	21256.5
55°		17803.3	17716.0	17742.5	17795.5	18184.1	18909.8	20524.6
60°		17102.8	17016.4	17009.3	17007.3	17319.1	17971.9	19663.3
65°		16366.2	16274.5	16199.9	16148.8	16399.0	16945.3	18647.3
70°		15528.3	15427.0	15211.3	15118.0	15257.5	15699.8	17395.6
75°		14504.7	14375.4	14017.9	13800.4	13735.8	13992.9	15577.8
80°		13310.7	13075.8	12672.9	12126.4	11753.7	11590.5	12865.1
85°		12336.6	12006.5	11441.0	10615.0	9610.4	8589.0	8898.6

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Luminance values in cd/m²

γ 65°

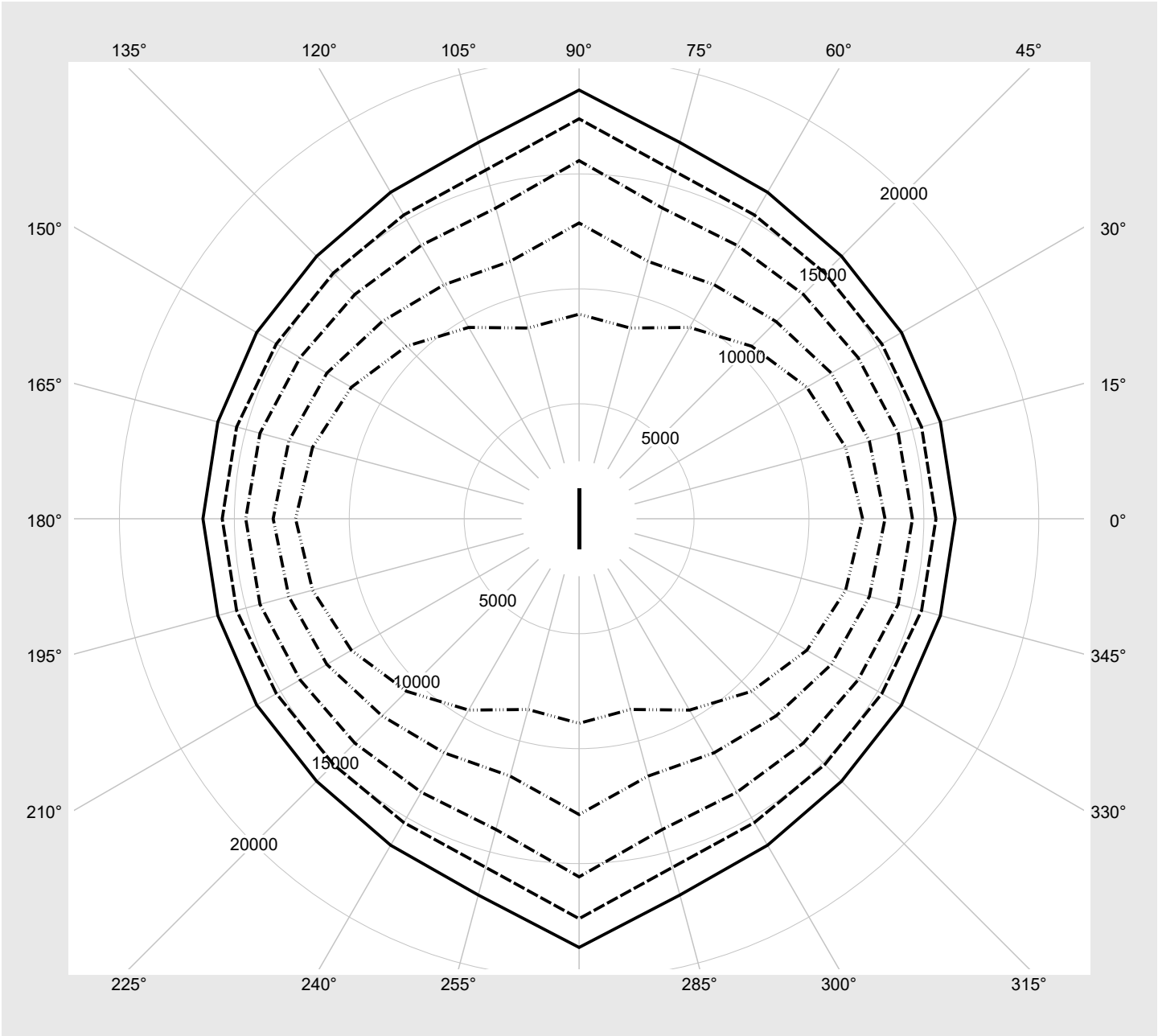
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Family Monsun® 11	Order number: 51FP20MP4B0U EAN: 4069025242631	LP number 59060_206
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10910	62.4
2	A	C	F	10300	58.6
3	A	D	E	9770	55.2
4	A	D	F	9290	52.3
5	B	C	E	8750	49.0
6	B	C	F	8260	46.1
7	B	D	E	7840	43.7
8	B	D	F	7290	40.4