

Photometric test report

Family
Monsun® 21

Order number: **51FB10MP380C**
EAN: **4069025178183**

LP number
58939_248



Version prismatic diffuser, opal, PMMA, wide distribution
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 8500 lm
Power consumption = 50.8 W
Luminous efficacy = 167.3 lm/W

serial
documentation
06.02.2026

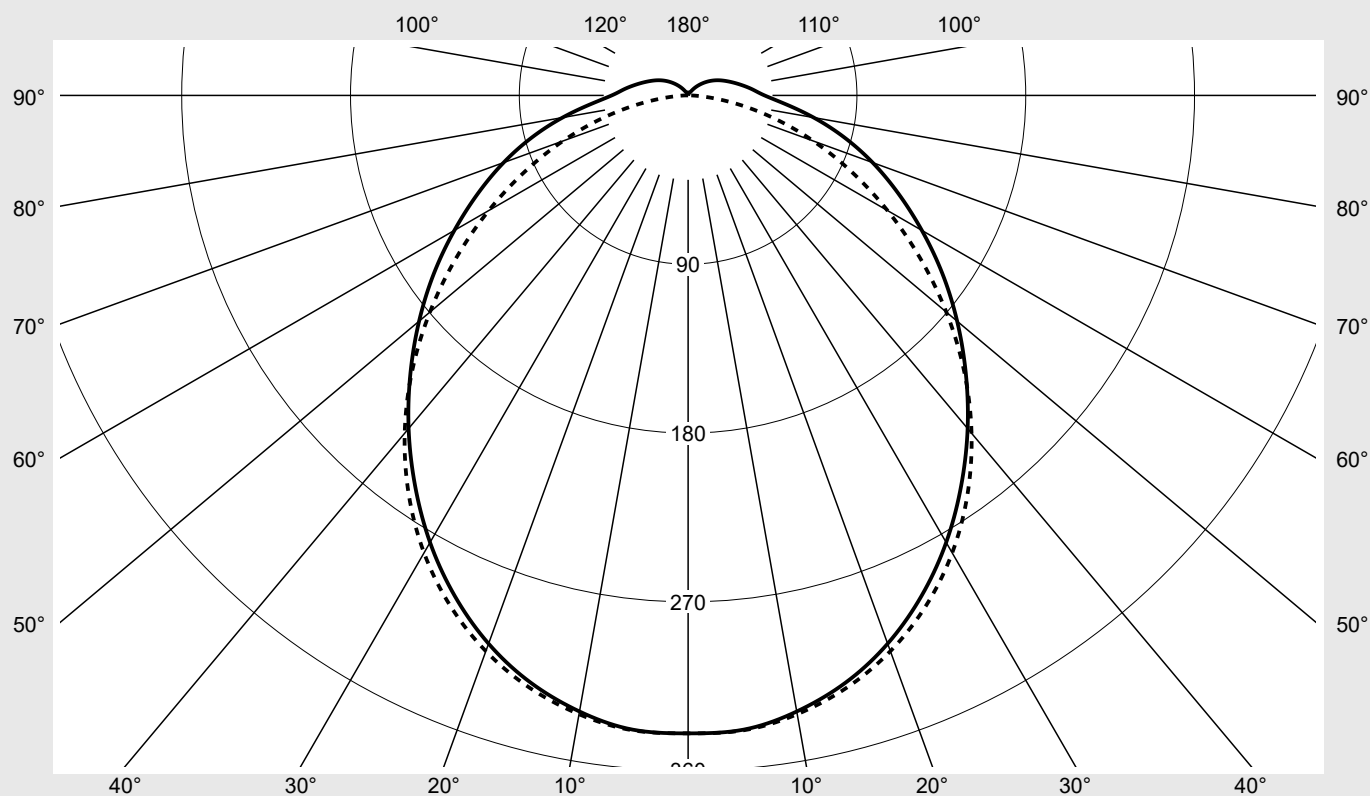
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 340 cd/klm



Classifications

DIN 5040 A 4 1
CIE N1=47 N2=77 N3=93
N4=94 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 94.2%
 ϕ_o 5.8%

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°	340.1	340.1	340.1	340.1	340.1	340.1	340.1	2.0	2.0
5°	339.4	338.3	336.5	337.9	339.5	339.4	339.8	16.2	18.2
10°	333.5	333.0	331.2	332.8	334.6	334.7	335.0	31.7	49.9
15°	324.2	324.2	322.5	324.2	326.1	326.4	326.9	46.1	96.0
20°	311.0	311.6	310.1	311.9	314.1	314.7	315.3	58.6	154.6
25°	294.4	295.4	294.1	296.0	298.4	299.4	300.2	68.7	223.4
30°	275.2	276.6	275.1	276.8	279.4	280.7	281.6	76.1	299.5
35°	253.9	255.2	253.8	254.9	257.1	258.4	259.7	80.5	380.0
40°	231.8	232.9	231.3	231.1	232.5	233.8	235.1	81.9	461.9
45°	209.4	209.9	207.8	205.9	206.1	206.6	208.2	80.4	542.4
50°	187.2	187.1	184.8	181.3	179.3	178.3	179.7	76.6	619.0
55°	165.5	164.8	162.1	157.0	153.1	150.2	150.9	70.7	689.7
60°	143.9	142.9	139.5	133.7	127.9	123.2	122.7	63.3	753.0
65°	123.6	122.5	117.8	111.0	104.2	97.9	96.0	54.9	808.0
70°	104.7	103.3	97.1	89.4	81.7	74.3	71.0	45.8	853.8
75°	86.1	84.4	77.8	69.2	60.2	52.2	47.8	36.3	890.0
80°	68.0	66.1	60.2	50.5	40.7	32.1	26.9	26.7	916.7
85°	51.8	50.0	44.6	35.3	24.7	15.7	10.1	18.3	935.0
90°	40.8	39.2	34.4	26.0	15.9	6.9	1.8	13.1	948.2
95°	34.8	33.5	29.7	22.7	13.6	5.1	1.6	11.2	959.3
100°	29.9	28.8	25.4	19.2	11.3	3.7	1.4	9.4	968.7
105°	25.7	24.7	21.4	16.1	8.8	2.4	1.2	7.7	976.4
110°	22.1	20.9	18.0	13.0	6.6	1.4	1.1	6.1	982.5
115°	19.0	17.8	15.0	10.4	4.7	1.2	1.1	4.9	987.4
120°	16.0	14.8	12.2	7.9	3.1	1.2	1.0	3.8	991.2
125°	13.0	11.9	9.4	5.6	1.7	1.1	0.9	2.7	993.9
130°	10.1	9.1	6.9	3.7	1.4	1.1	1.0	1.9	995.9
135°	7.3	6.5	4.6	2.1	1.4	1.1	1.1	1.3	997.1
140°	4.8	4.1	2.7	1.7	1.4	1.1	1.1	0.8	998.0
145°	2.6	2.3	1.9	1.7	1.4	1.2	1.2	0.5	998.5
150°	2.0	2.0	1.9	1.6	1.3	1.3	1.3	0.4	998.9
155°	1.9	1.9	1.7	1.6	1.4	1.4	1.4	0.4	999.3
160°	1.7	1.7	1.6	1.4	1.4	1.4	1.4	0.3	999.6
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.2	999.8
170°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	0.1	999.9
175°	1.4	1.4	1.4	1.4	1.4	1.4	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	21.3	23.0	21.6	23.3	23.6	21.2	22.9	21.6	23.3	23.6
	3H	23.0	24.5	23.4	24.9	25.2	22.6	24.2	23.0	24.5	24.8
	4H	23.8	25.3	24.2	25.6	26.0	23.1	24.6	23.5	25.0	25.3
	6H	24.6	25.9	25.0	26.3	26.7	23.5	24.9	23.9	25.2	25.6
	8H	24.9	26.2	25.4	26.6	27.0	23.6	24.9	24.1	25.3	25.7
	12H	25.2	26.4	25.7	26.8	27.2	23.7	24.9	24.1	25.3	25.7
4H	2H	22.0	23.4	22.3	23.8	24.1	21.9	23.4	22.3	23.7	24.1
	3H	23.9	25.1	24.3	25.5	25.9	23.5	24.8	23.9	25.1	25.5
	4H	24.9	26.0	25.3	26.4	26.8	24.2	25.3	24.6	25.7	26.1
	6H	25.8	26.8	26.2	27.2	27.6	24.6	25.6	25.1	26.1	26.5
	8H	26.2	27.1	26.6	27.5	28.0	24.8	25.7	25.2	26.1	26.6
	12H	26.6	27.4	27.1	27.9	28.4	24.9	25.7	25.4	26.2	26.7
8H	4H	25.2	26.1	25.6	26.5	27.0	24.6	25.5	25.0	25.9	26.4
	6H	26.3	27.0	26.7	27.5	28.0	25.2	25.9	25.7	26.4	26.9
	8H	26.8	27.5	27.3	28.0	28.5	25.4	26.1	25.9	26.6	27.1
	12H	27.3	27.9	27.9	28.4	29.0	25.6	26.1	26.1	26.6	27.2
12H	4H	25.2	26.0	25.7	26.5	27.0	24.7	25.5	25.1	25.9	26.4
	6H	26.3	27.0	26.8	27.5	28.0	25.3	26.0	25.8	26.5	27.0
	8H	26.9	27.5	27.4	28.0	28.6	25.6	26.2	26.1	26.7	27.2

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° 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°	14656.5	14747.3	14855.2	15165.8	15820.4	16696.6	17854.8			
	50°	13900.7	13952.2	14056.5	14270.9	14810.6	15642.7	16911.8			
	55°	13181.2	13196.5	13277.4	13382.0	13799.1	14526.3	15863.7			
	60°	12470.1	12459.6	12481.3	12520.9	12795.9	13396.4	14745.4			
	65°	11845.0	11816.5	11716.5	11642.2	11805.6	12257.5	13574.2			
	70°	11308.2	11244.3	10952.6	10745.7	10764.8	11058.2	12315.9			
	75°	10748.6	10647.1	10238.6	9823.4	9579.7	9678.5	10820.0			
	80°	10155.5	9986.9	9577.6	8839.2	8223.6	7950.0	8848.3			
	85°	9722.7	9516.8	9071.8	8146.1	6924.4	5933.2	6179.5			

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Luminance values in cd/m²

γ 65°

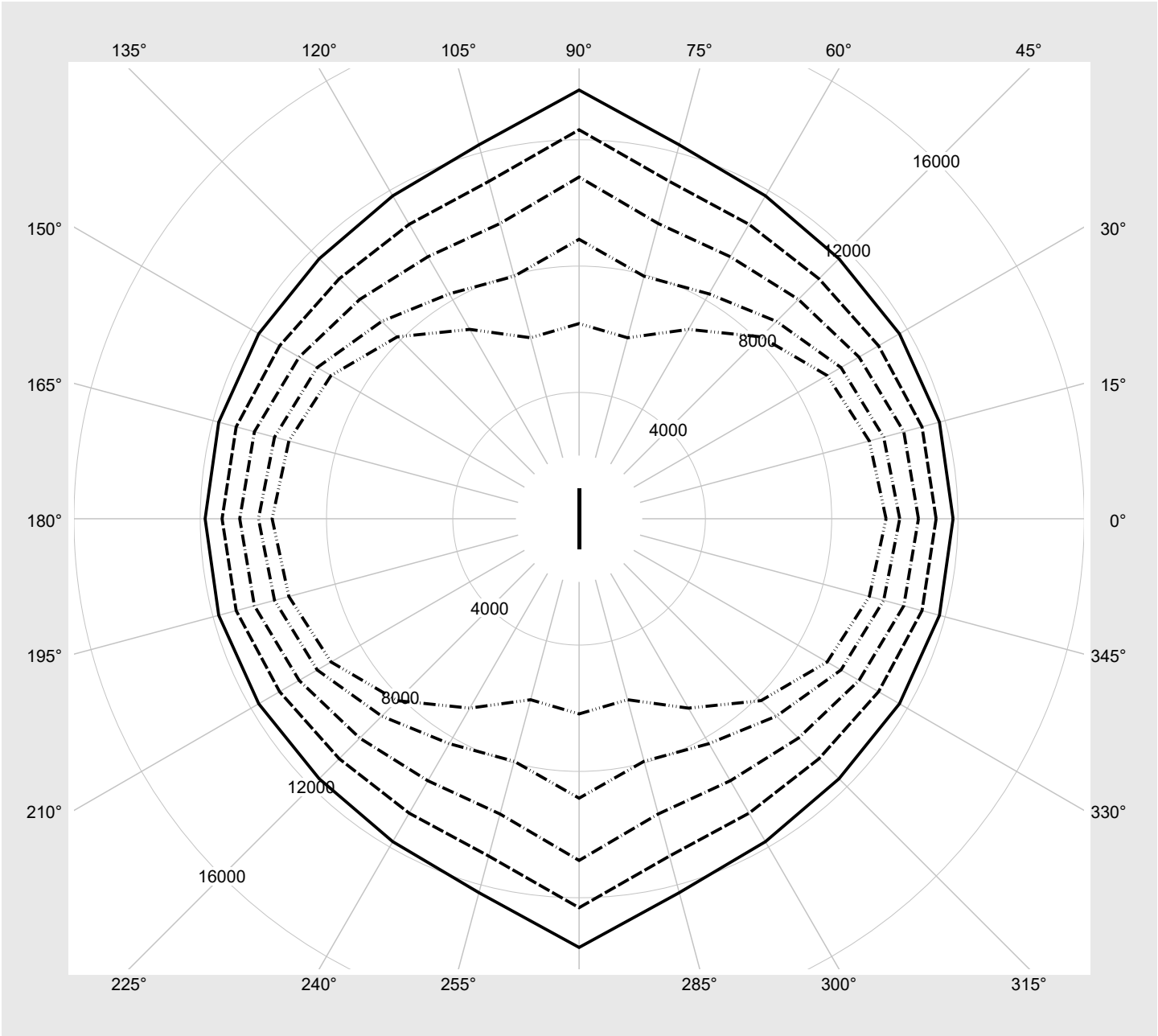
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Multilumen Table

environmental temperature: 25°C

sITeco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	8500	50.8
2	A	C	F	7970	47.3
3	A	D	E	7300	43.0
4	A	D	F	6610	38.7
5	B	C	E	5920	34.5
6	B	C	F	5210	30.3
7	B	D	E	4500	26.1
8	B	D	F	3760	21.9