

Photometric test report

Family
Monsun® 11

Order number: **51FE10DP460M**
EAN: **4069025268594**

LP number
58939_228

serial
documentation
29.01.2026

siteco



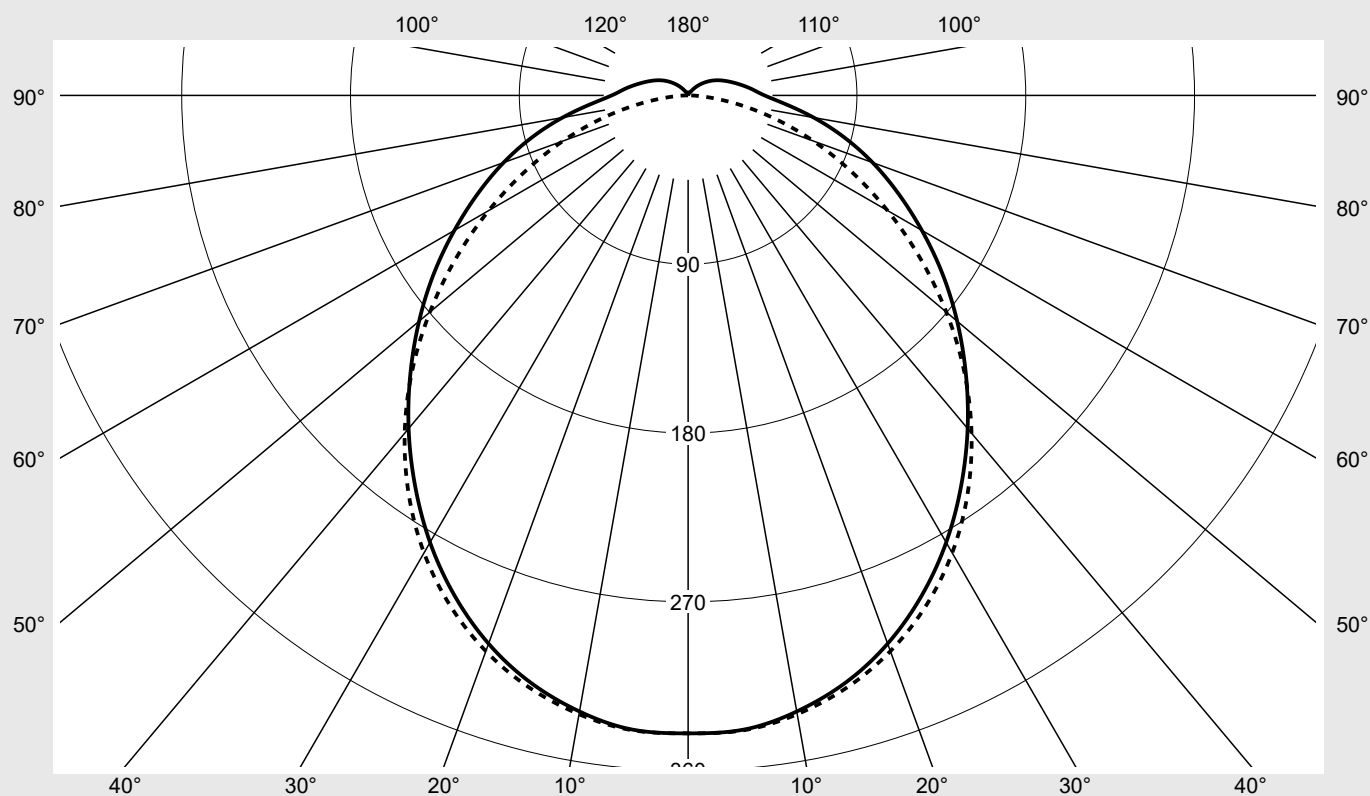
Version prismatic diffuser, opal, PMMA, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 6370 lm
Power consumption = 33.5 W
Luminous efficacy = 190.1 lm/W

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	20.3	22.0	20.6	22.3	22.6	20.2	21.9	20.6	22.2	22.6	
	3H	22.0	23.5	22.4	23.9	24.2	21.6	23.2	22.0	23.5	23.8	
	4H	22.8	24.3	23.2	24.6	25.0	22.1	23.6	22.5	23.9	24.3	
	6H	23.6	24.9	24.0	25.3	25.7	22.5	23.9	22.9	24.2	24.6	
	8H	23.9	25.2	24.4	25.6	26.0	22.6	23.9	23.1	24.3	24.7	
	12H	24.2	25.4	24.7	25.8	26.2	22.7	23.9	23.1	24.3	24.7	
4H	2H	20.9	22.4	21.3	22.8	23.1	20.9	22.4	21.3	22.7	23.1	
	3H	22.9	24.1	23.3	24.5	24.9	22.5	23.8	22.9	24.1	24.5	
	4H	23.8	25.0	24.3	25.4	25.8	23.2	24.3	23.6	24.7	25.1	
	6H	24.8	25.8	25.2	26.2	26.6	23.6	24.6	24.1	25.1	25.5	
	8H	25.2	26.1	25.6	26.5	27.0	23.8	24.7	24.2	25.1	25.6	
	12H	25.6	26.4	26.1	26.9	27.4	23.9	24.7	24.4	25.2	25.6	
8H	4H	24.2	25.1	24.6	25.5	26.0	23.6	24.5	24.0	24.9	25.4	
	6H	25.3	26.0	25.7	26.5	27.0	24.2	24.9	24.7	25.4	25.9	
	8H	25.8	26.5	26.3	27.0	27.5	24.4	25.1	24.9	25.6	26.1	
	12H	26.3	26.9	26.9	27.4	28.0	24.6	25.1	25.1	25.6	26.2	
12H	4H	24.2	25.0	24.7	25.5	26.0	23.7	24.5	24.1	24.9	25.4	
	6H	25.3	26.0	25.8	26.5	27.0	24.3	25.0	24.8	25.5	26.0	
	8H	25.9	26.5	26.4	27.0	27.6	24.6	25.2	25.1	25.7	26.2	

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° 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°		10983.7	11051.8	11132.6	11365.4	11856.0	12512.6	13380.6
50°		10417.3	10455.9	10534.1	10694.8	11099.3	11722.8	12673.9
55°		9878.1	9889.6	9950.2	10028.6	10341.2	10886.1	11888.4
60°		9345.3	9337.4	9353.6	9383.3	9589.4	10039.4	11050.4
65°		8876.8	8855.4	8780.5	8724.8	8847.3	9185.9	10172.7
70°		8474.5	8426.6	8208.0	8052.9	8067.3	8287.1	9229.7
75°		8055.1	7979.1	7673.0	7361.7	7179.1	7253.2	8108.7
80°		7610.6	7484.3	7177.5	6624.2	6162.9	5957.8	6631.0
85°		7286.3	7132.0	6798.5	6104.8	5189.2	4446.4	4631.0

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Luminance values in cd/m²

γ 65°

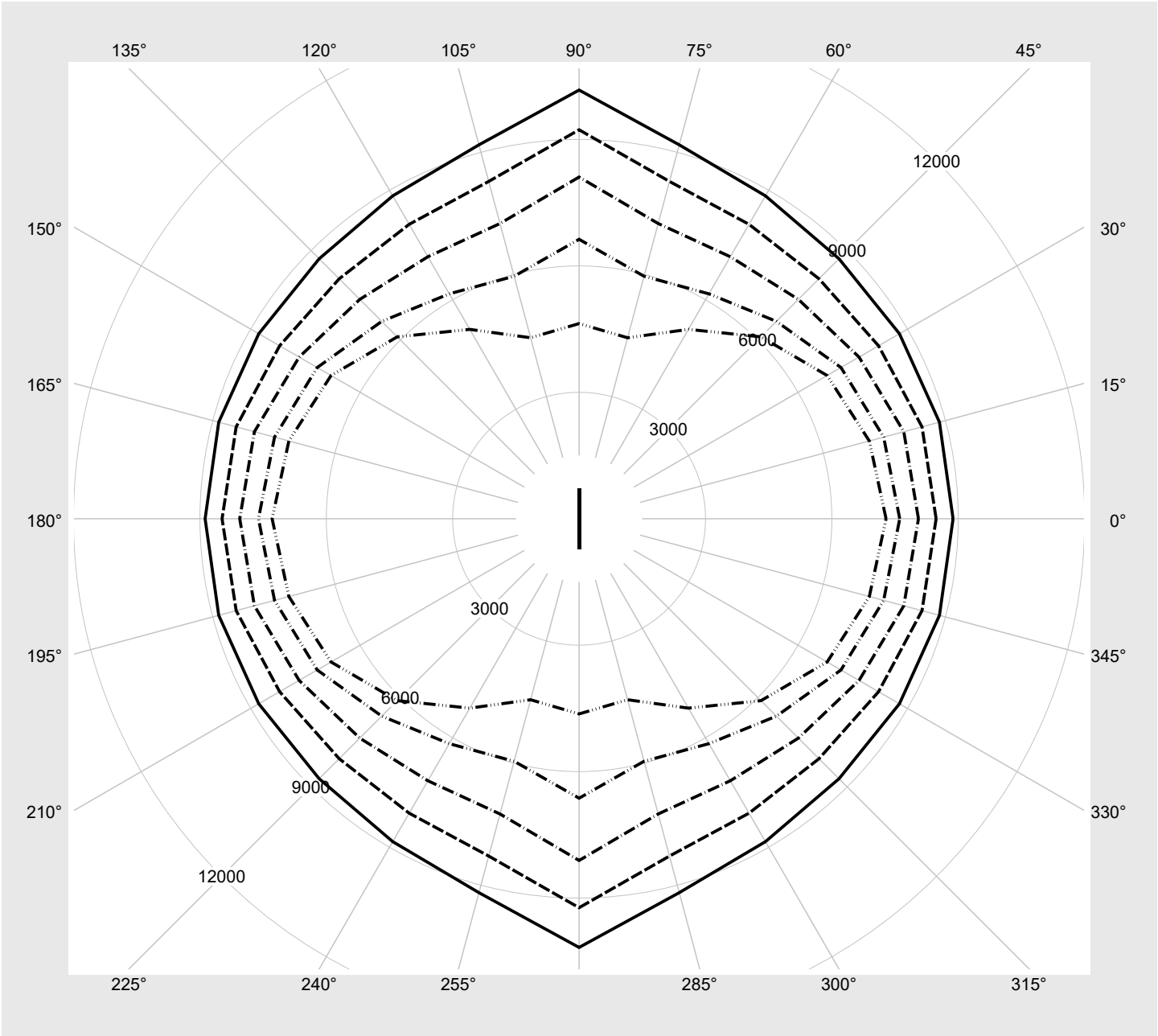
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Dimming levels table		environmental temperature: 25°C
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Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	6370	33.5
95	240	252	6042	31.6
90	227	250	5734	29.9
85	214	248	5423	28.3
80	200	245	5086	26.4
75	187	243	4771	24.9
70	174	240	4454	23.2
65	161	237	4135	21.5
60	148	234	3814	19.8
55	136	231	3515	18.3
50	123	227	3189	16.7
45	110	223	2861	15.0
40	98	219	2556	13.5
35	85	214	2223	12.0
30	73	208	1916	10.5
25	61	202	1604	9.0
20	48	193	1263	7.5
15	36	182	945	6.1
10	24	168	625	4.7
5	13	145	329	3.2
3	8	127	194	2.4