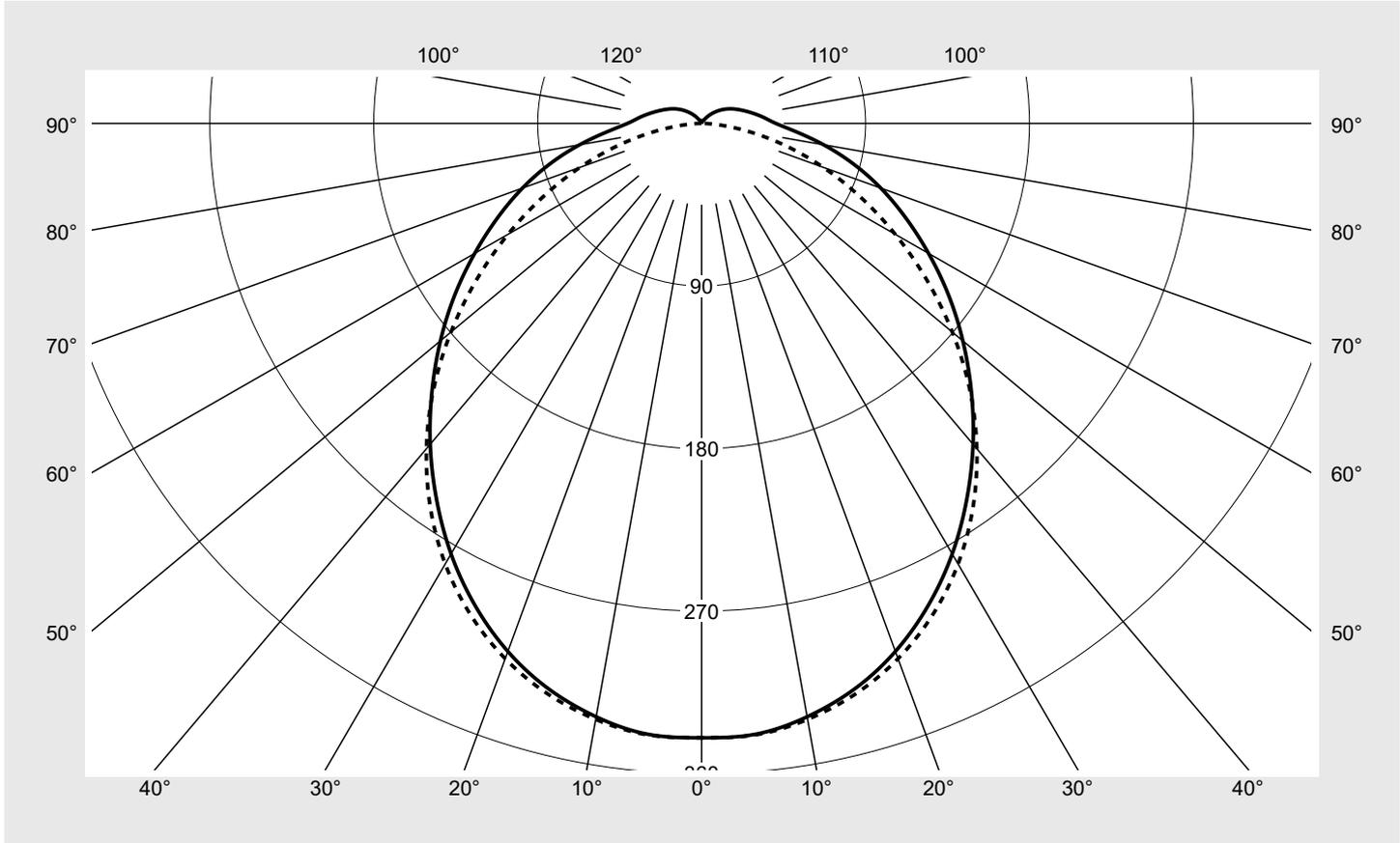


Photometric test report

Family Monsun® 11	Order number: 51FE10DP440M EAN: 4069025268570	LP number 58939_173
	Version prismatic diffuser, opal, PMMA, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 4200 lm Power consumption = 22.3 W Luminous efficacy = 188.3 lm/W	serial documentation 30.09.2024



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

Photometric test report

Family Monsun® 11	Order number: 51FE10DP440M EAN: 4069025268570	LP number 58939_173
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
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

Photometric test report

Family Monsun® 11	Order number: 51FE10DP440M EAN: 4069025268570	LP number 58939_173
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UGR-Table	Standard room	siteco
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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	18.8	20.5	19.2	20.8	21.1	18.8	20.5	19.1	20.8	21.1
	3H	20.5	22.1	20.9	22.4	22.8	20.2	21.7	20.5	22.0	22.4
	4H	21.4	22.8	21.8	23.2	23.5	20.7	22.2	21.1	22.5	22.9
	6H	22.1	23.5	22.5	23.8	24.2	21.1	22.4	21.5	22.8	23.2
	8H	22.5	23.7	22.9	24.1	24.5	21.2	22.5	21.6	22.8	23.2
	12H	22.8	24.0	23.2	24.4	24.8	21.2	22.5	21.7	22.8	23.3
4H	2H	19.5	21.0	19.9	21.3	21.7	19.5	20.9	19.9	21.3	21.7
	3H	21.4	22.7	21.9	23.1	23.5	21.1	22.3	21.5	22.7	23.1
	4H	22.4	23.5	22.8	23.9	24.4	21.7	22.8	22.1	23.2	23.7
	6H	23.3	24.3	23.8	24.7	25.2	22.2	23.2	22.6	23.6	24.1
	8H	23.7	24.6	24.2	25.1	25.6	22.3	23.3	22.8	23.7	24.2
	12H	24.2	25.0	24.6	25.4	25.9	22.4	23.3	22.9	23.7	24.2
8H	4H	22.7	23.6	23.2	24.1	24.6	22.1	23.0	22.6	23.5	23.9
	6H	23.8	24.6	24.3	25.0	25.5	22.7	23.5	23.2	24.0	24.5
	8H	24.3	25.0	24.8	25.5	26.0	23.0	23.6	23.4	24.1	24.6
	12H	24.9	25.5	25.4	26.0	26.5	23.1	23.7	23.6	24.2	24.7
12H	4H	22.8	23.6	23.2	24.0	24.5	22.2	23.0	22.7	23.5	24.0
	6H	23.9	24.6	24.4	25.1	25.6	22.9	23.6	23.4	24.0	24.6
	8H	24.5	25.1	25.0	25.6	26.1	23.2	23.7	23.7	24.2	24.8

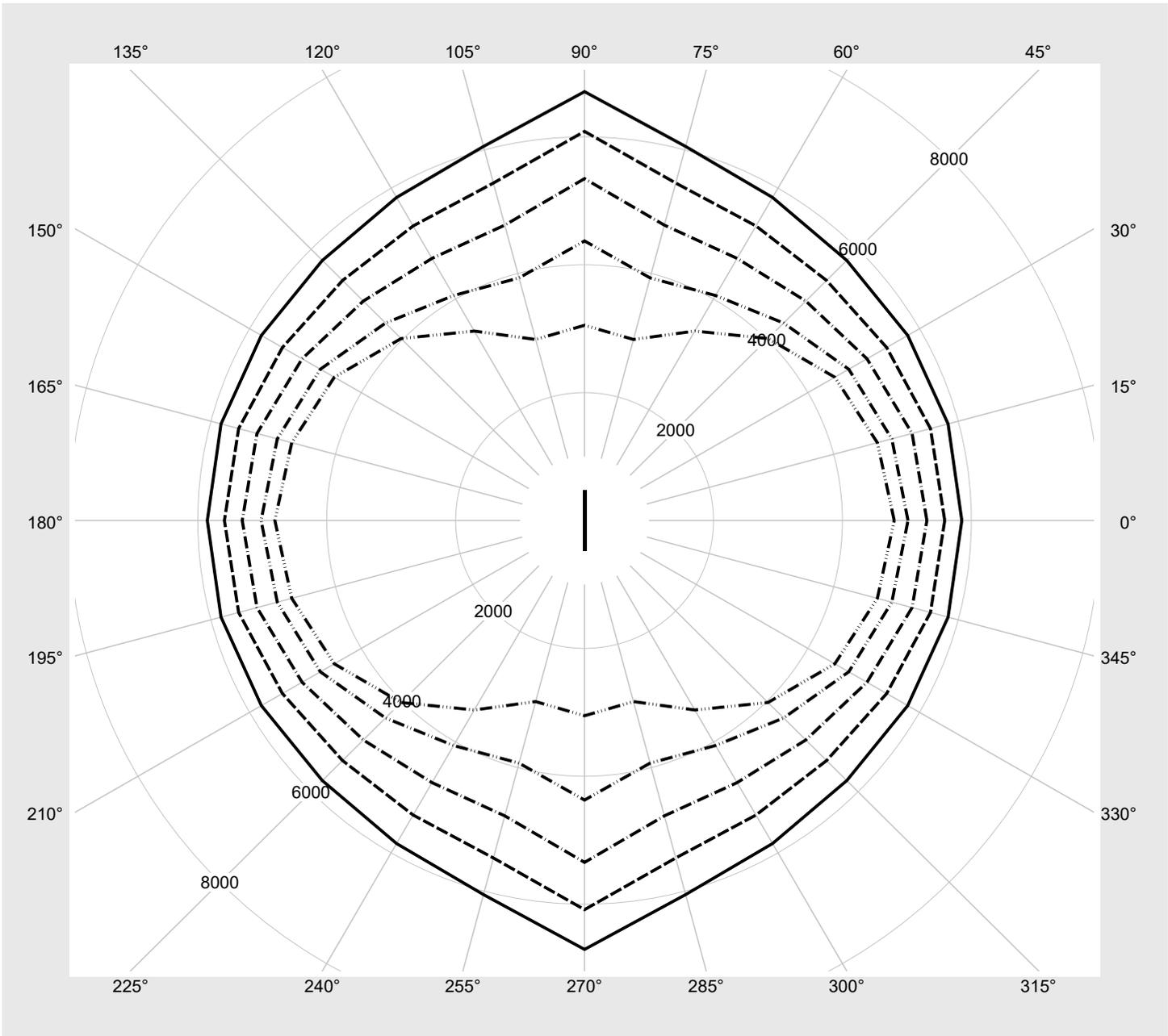
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1590	H(C0) = 21	H(C180) = 21
			B = 87	H(C90) = 21	H(C270) = 21

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		7242.0	7286.9	7340.2	7493.7	7817.1	8250.1	8822.4	
50°		6868.6	6894.0	6945.6	7051.5	7318.2	7729.3	8356.4	
55°		6513.1	6520.6	6560.6	6612.3	6818.4	7177.7	7838.5	
60°		6161.7	6156.5	6167.2	6186.8	6322.7	6619.4	7286.0	
65°		5852.8	5838.7	5789.3	5752.6	5833.4	6056.7	6707.2	
70°		5587.6	5556.0	5411.9	5309.6	5319.1	5464.0	6085.5	
75°		5311.1	5260.9	5059.1	4853.9	4733.5	4782.3	5346.4	
80°		5018.0	4934.7	4732.4	4367.6	4063.4	3928.2	4372.1	
85°		4804.1	4702.4	4482.5	4025.1	3421.5	2931.7	3053.4	

Photometric test report

Family Monsun® 11	Order number: 51FE10DP440M EAN: 4069025268570	LP number 58939_173
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Monsun® 11	Order number: 51FE10DP440M EAN: 4069025268570	LP number 58939_173
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4200	22.3
95	241	252	3993	21.3
90	228	250	3786	20.3
85	215	248	3577	19.1
80	202	246	3367	18.1
75	189	243	3157	17.0
70	176	241	2946	15.9
65	163	238	2733	14.8
60	150	235	2520	13.7
55	137	231	2305	12.5
50	124	228	2092	11.4
45	112	224	1893	10.5
40	99	219	1676	9.4
35	87	215	1473	8.3
30	74	209	1253	7.3
25	62	202	1049	6.4
20	50	194	844	5.4
15	38	184	637	4.5
10	25	169	413	3.6
5	13	145	204	3.0
4	11	139	169	2.9