

Photometric test report

Family
Monsun® 11

Order number: **51FE10DP480S**
EAN: **4069025242396**

LP number
59015_32

serial
documentation
29.01.2026

siteco



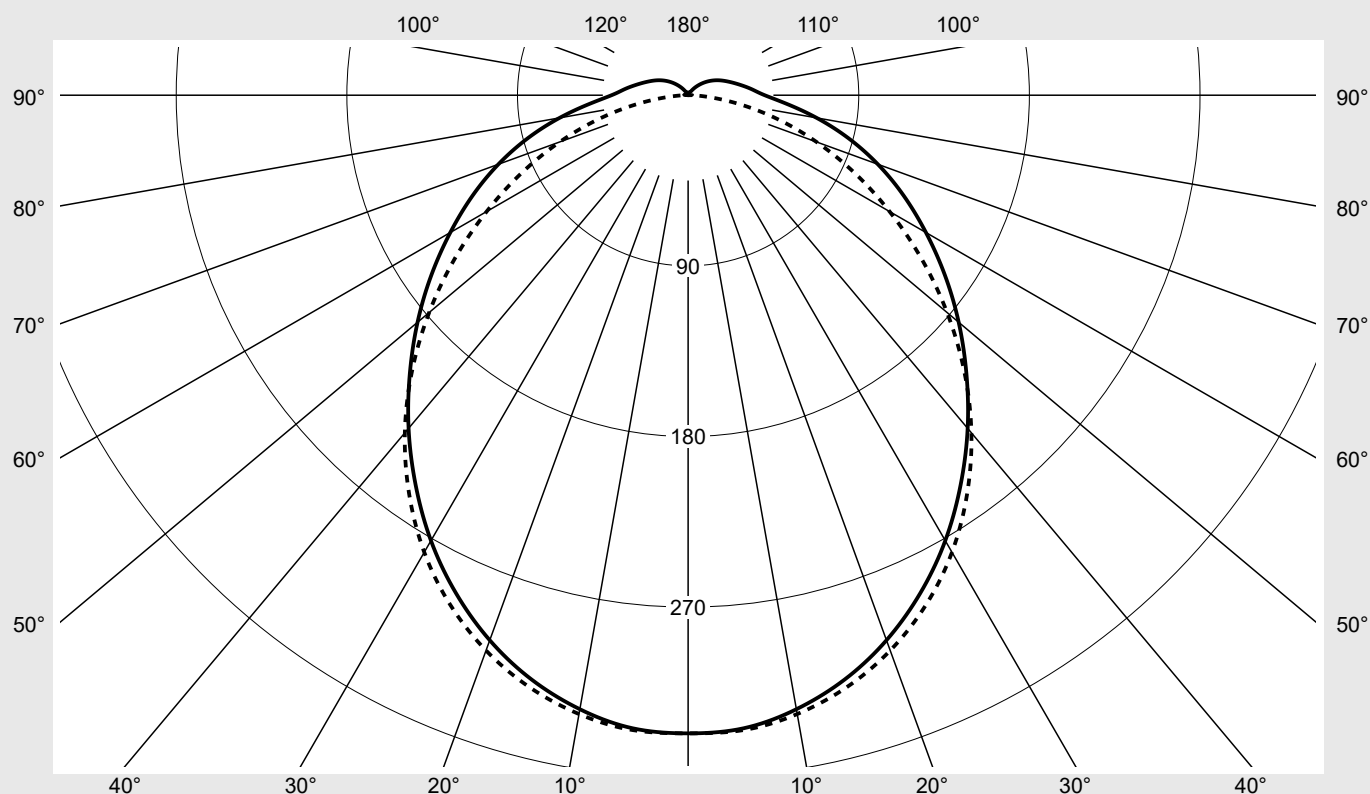
Version prismatic diffuser, opal, PMMA, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 8000 lm
Power consumption = 41.0 W
Luminous efficacy = 195.1 lm/W

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 337 cd/klm



Classifications

DIN 5040 A 4 1
CIE N1=47 N2=76 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°	336.6	336.6	336.6	336.6	336.6	336.6	336.6	2.0	2.0
5°	335.2	335.1	333.2	334.3	335.7	335.7	336.1	16.0	18.0
10°	328.8	330.1	328.0	329.4	330.8	330.9	331.4	31.4	49.4
15°	319.0	321.3	319.3	320.8	322.3	322.7	323.3	45.6	95.0
20°	305.9	308.9	307.1	308.7	310.4	311.0	311.7	58.0	152.9
25°	289.8	293.4	291.5	293.1	295.0	295.9	296.7	68.0	221.0
30°	271.3	275.1	273.1	274.3	276.2	277.4	278.4	75.4	296.4
35°	250.7	254.3	252.4	252.9	254.4	255.5	256.6	79.8	376.2
40°	229.4	232.7	230.3	229.8	230.5	231.3	232.4	81.4	457.6
45°	207.6	210.4	207.6	205.2	204.9	204.7	206.0	80.1	537.6
50°	186.3	188.5	185.0	181.0	178.9	177.2	178.3	76.5	614.1
55°	165.3	166.9	162.7	157.6	153.3	149.9	150.2	71.0	685.1
60°	144.9	145.8	140.7	134.7	128.7	123.6	122.7	63.9	748.9
65°	125.5	125.6	119.9	112.7	105.4	99.0	96.8	55.8	804.7
70°	106.5	105.7	100.0	91.3	83.0	75.5	72.0	46.8	851.5
75°	87.5	86.0	80.8	71.2	61.8	53.7	49.1	37.2	888.7
80°	68.8	66.9	62.0	52.7	42.3	33.4	27.9	27.5	916.2
85°	52.2	50.3	45.3	36.7	26.2	16.7	10.8	18.8	935.0
90°	40.4	38.9	34.5	26.5	16.4	7.3	2.2	13.2	948.3
95°	34.1	32.8	29.3	22.8	14.2	5.7	1.9	11.2	959.5
100°	29.1	28.1	25.5	19.6	11.7	4.0	1.6	9.4	968.8
105°	25.0	24.3	21.6	16.3	9.2	2.6	1.4	7.7	976.5
110°	21.5	21.0	18.2	13.2	6.8	1.5	1.2	6.2	982.7
115°	18.5	17.9	15.1	10.5	4.8	1.3	1.2	4.9	987.6
120°	15.6	14.8	12.2	7.9	3.1	1.3	1.1	3.8	991.4
125°	12.7	11.9	9.4	5.6	1.7	1.1	1.0	2.7	994.1
130°	9.8	9.0	6.8	3.5	1.4	1.1	1.0	1.9	996.0
135°	7.0	6.3	4.4	1.9	1.4	1.1	1.0	1.2	997.3
140°	4.5	3.9	2.4	1.7	1.3	1.1	1.0	0.8	998.1
145°	2.3	2.1	1.9	1.6	1.4	1.2	1.2	0.5	998.6
150°	1.9	1.9	1.8	1.5	1.4	1.3	1.2	0.4	999.0
155°	1.8	1.7	1.6	1.5	1.4	1.3	1.3	0.3	999.3
160°	1.6	1.6	1.5	1.4	1.3	1.3	1.3	0.3	999.6
165°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	0.2	999.8
170°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.3	1.3	1.3	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	21.1	22.8	21.4	23.1	23.4	21.0	22.7	21.4	23.0	23.4
	3H	22.9	24.4	23.2	24.8	25.1	22.4	24.0	22.8	24.3	24.7
	4H	23.7	25.2	24.1	25.5	25.9	23.0	24.4	23.4	24.8	25.2
	6H	24.4	25.8	24.9	26.2	26.6	23.4	24.7	23.8	25.1	25.5
	8H	24.8	26.1	25.2	26.5	26.9	23.5	24.8	23.9	25.2	25.6
	12H	25.1	26.3	25.6	26.7	27.1	23.6	24.8	24.0	25.2	25.6
4H	2H	21.8	23.3	22.2	23.6	24.0	21.7	23.2	22.1	23.5	23.9
	3H	23.8	25.0	24.2	25.4	25.8	23.3	24.6	23.8	25.0	25.4
	4H	24.8	25.9	25.2	26.3	26.7	24.0	25.2	24.5	25.6	26.0
	6H	25.7	26.7	26.1	27.1	27.5	24.5	25.5	25.0	25.9	26.4
	8H	26.1	27.0	26.5	27.4	27.9	24.7	25.6	25.1	26.0	26.5
	12H	26.5	27.3	27.0	27.8	28.2	24.8	25.6	25.3	26.1	26.6
8H	4H	25.1	26.0	25.5	26.5	26.9	24.4	25.4	24.9	25.8	26.3
	6H	26.2	26.9	26.7	27.4	27.9	25.1	25.9	25.6	26.3	26.8
	8H	26.7	27.4	27.2	27.9	28.4	25.3	26.0	25.8	26.5	27.0
	12H	27.2	27.8	27.8	28.3	28.9	25.5	26.1	26.0	26.6	27.1
12H	4H	25.1	26.0	25.6	26.4	26.9	24.5	25.4	25.0	25.8	26.3
	6H	26.3	26.9	26.8	27.4	27.9	25.3	25.9	25.8	26.4	26.9
	8H	26.9	27.4	27.4	27.9	28.5	25.5	26.1	26.0	26.6	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° 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°		13676.5	13914.5	13969.6	14221.5	14800.8	15570.9	16628.4
50°		13017.4	13226.9	13241.3	13407.8	13902.7	14628.3	15793.6
55°		12394.4	12578.8	12539.3	12638.8	13006.2	13644.9	14867.0
60°		11814.7	11963.6	11851.0	11873.2	12118.0	12652.2	13875.7
65°		11316.4	11400.0	11222.2	11125.8	11234.7	11669.3	12878.0
70°		10827.5	10836.3	10614.2	10326.2	10302.5	10581.2	11755.6
75°		10285.4	10211.5	9998.0	9516.2	9251.6	9365.1	10448.7
80°		9677.9	9520.7	9290.1	8690.9	8051.5	7797.1	8656.5
85°		9208.1	9011.1	8668.2	7960.4	6932.6	5974.5	6243.2

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Luminance values in cd/m²

γ 65°

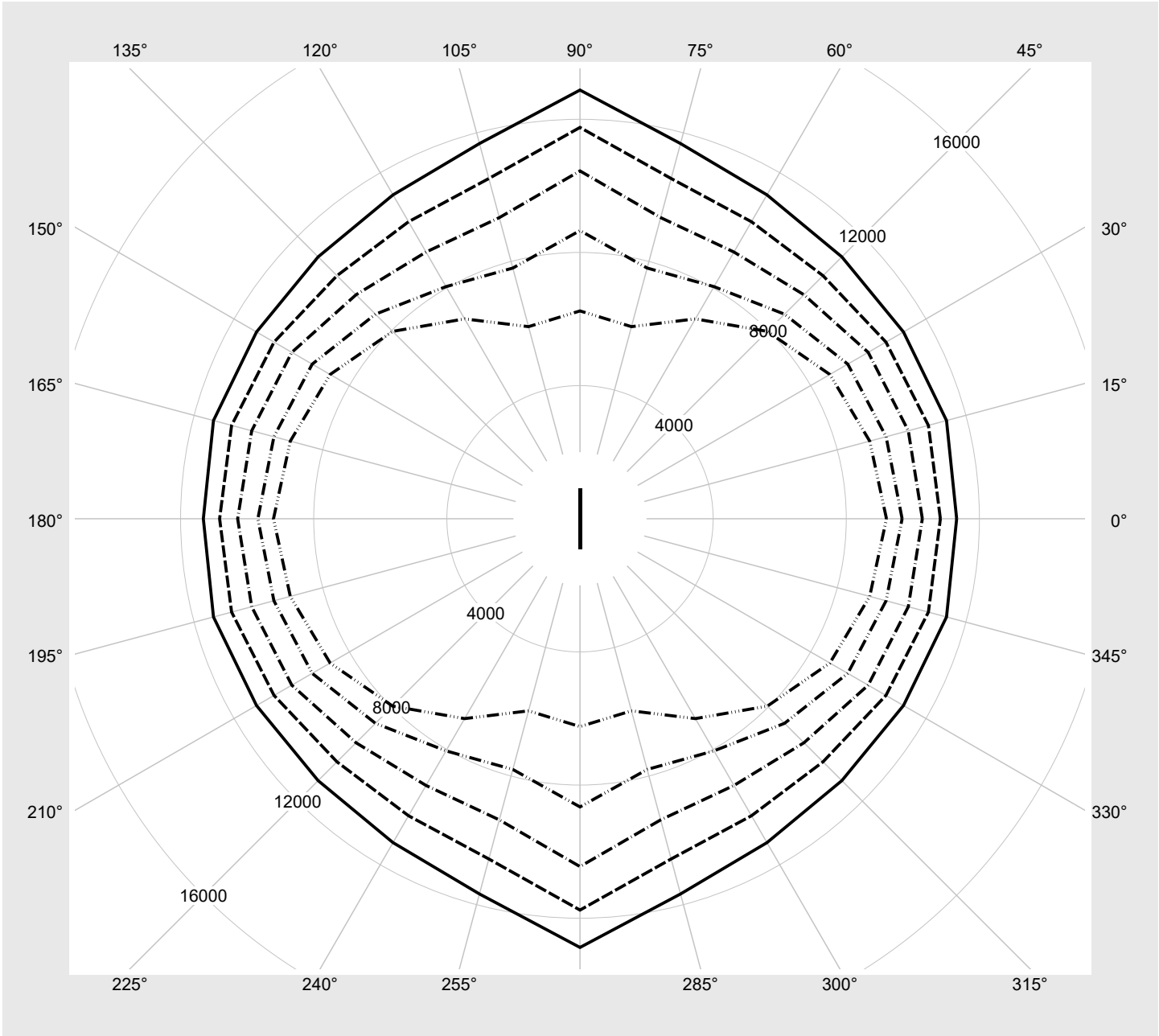
γ 70°

γ 75°

γ 80°

γ 85°

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Family Monsun® 11	Order number: 51FE10DP480S EAN: 4069025242396	LP number 59015_32
Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8000	41.0
95	241	252	7609	39.0
90	227	250	7186	36.8
85	214	248	6790	34.8
80	201	245	6393	32.7
75	188	243	5993	30.7
70	175	240	5591	28.7
65	162	238	5187	26.7
60	150	235	4811	24.8
55	137	231	4403	22.8
50	124	228	3992	20.7
45	112	224	3612	18.8
40	99	219	3198	16.8
35	87	215	2812	14.9
30	74	209	2391	12.8
25	62	202	2002	10.9
20	50	194	1610	8.9
15	38	184	1215	6.9
10	25	169	788	4.7
5	13	145	388	2.5
3	8	127	222	1.6