

Photometric test report

Family
Monsun® 11

Order number: **51FP20DP460L007**
EAN: **4069025268914**

LP number
59060_238



Version prismatic diffuser, opal, polycarbonate, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 6200 lm
Power consumption = 36.0 W
Luminous efficacy = 172.2 lm/W

serial
documentation
29.01.2026

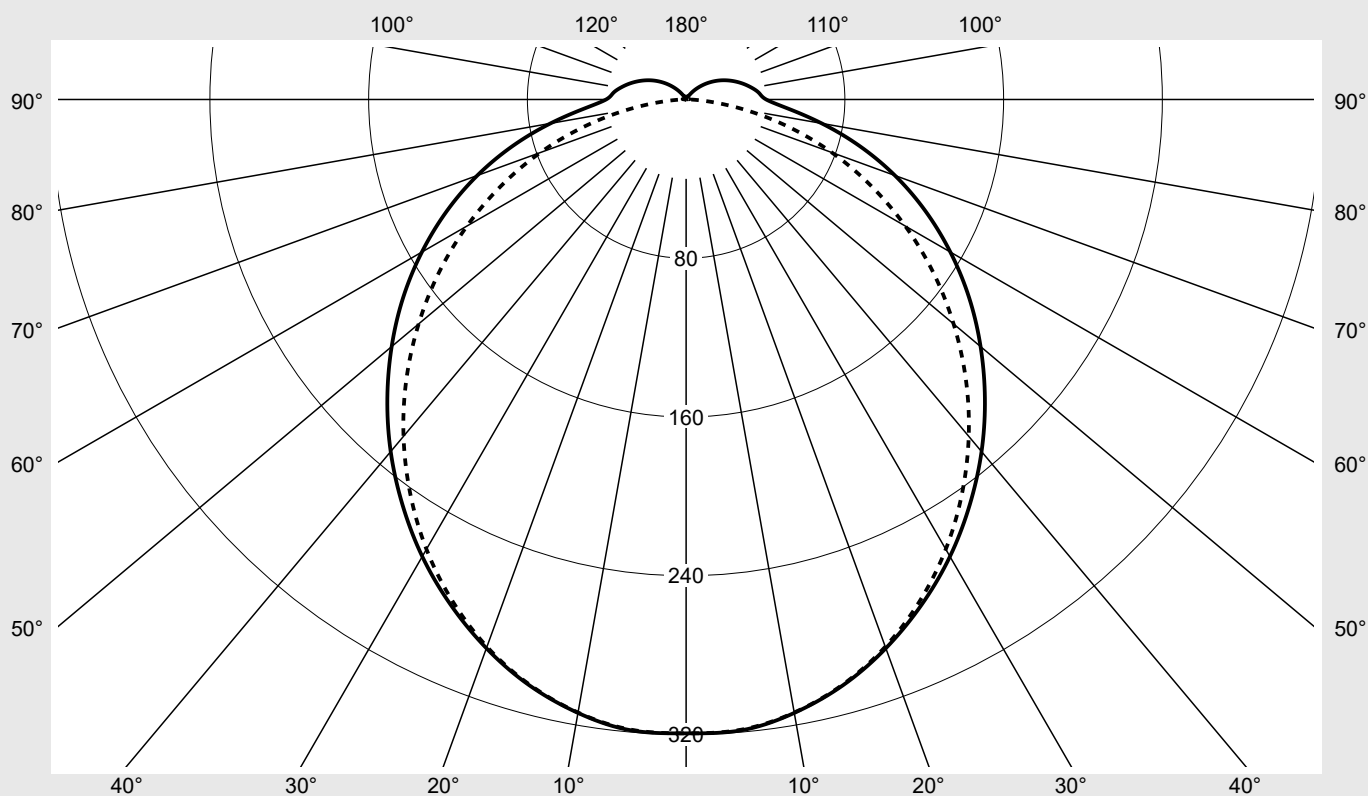
siteco

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	20.4	22.2	20.8	22.5	22.8	20.3	22.0	20.6	22.3	22.6
	3H	22.3	23.8	22.6	24.2	24.5	21.8	23.4	22.2	23.7	24.1
	4H	23.1	24.6	23.5	24.9	25.3	22.4	23.9	22.8	24.3	24.6
	6H	23.8	25.2	24.2	25.5	25.9	22.8	24.2	23.2	24.6	25.0
	8H	24.1	25.4	24.6	25.8	26.2	23.0	24.3	23.4	24.7	25.1
	12H	24.4	25.6	24.9	26.0	26.4	23.0	24.3	23.5	24.7	25.1
4H	2H	21.2	22.7	21.6	23.0	23.4	21.0	22.5	21.4	22.9	23.2
	3H	23.2	24.5	23.6	24.8	25.3	22.8	24.1	23.2	24.4	24.8
	4H	24.1	25.3	24.6	25.7	26.1	23.5	24.7	24.0	25.1	25.5
	6H	25.0	26.0	25.5	26.5	26.9	24.0	25.1	24.5	25.5	26.0
	8H	25.4	26.3	25.9	26.8	27.2	24.2	25.2	24.7	25.6	26.1
	12H	25.8	26.6	26.3	27.1	27.6	24.3	25.2	24.8	25.6	26.1
8H	4H	24.5	25.4	24.9	25.9	26.3	23.9	24.9	24.4	25.3	25.8
	6H	25.5	26.3	26.0	26.8	27.3	24.6	25.4	25.1	25.9	26.4
	8H	26.0	26.7	26.5	27.2	27.7	24.9	25.6	25.4	26.1	26.6
	12H	26.5	27.1	27.0	27.6	28.1	25.0	25.6	25.5	26.1	26.7
12H	4H	24.5	25.4	25.0	25.8	26.3	24.0	24.9	24.5	25.3	25.8
	6H	25.6	26.3	26.1	26.8	27.3	24.8	25.5	25.3	25.9	26.5
	8H	26.2	26.8	26.7	27.3	27.8	25.1	25.7	25.6	26.2	26.7

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	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	10873.3	10858.3	10870.5	10970.4	11267.8	11730.5	12471.8
50°	10489.8	10459.0	10475.5	10547.8	10808.2	11254.4	12079.8
55°	10117.3	10067.7	10082.8	10112.9	10333.8	10746.2	11663.8
60°	9719.3	9670.2	9666.1	9665.0	9842.2	10213.2	11174.4
65°	9300.7	9248.6	9206.2	9177.1	9319.3	9629.8	10597.0
70°	8824.5	8766.9	8644.4	8591.4	8670.6	8922.0	9885.7
75°	8242.8	8169.3	7966.2	7842.6	7805.9	7952.0	8852.6
80°	7564.3	7430.8	7201.8	6891.3	6679.5	6586.7	7311.1
85°	7010.7	6823.1	6501.8	6032.4	5461.5	4881.0	5056.9

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Luminance values in cd/m²

γ 65°

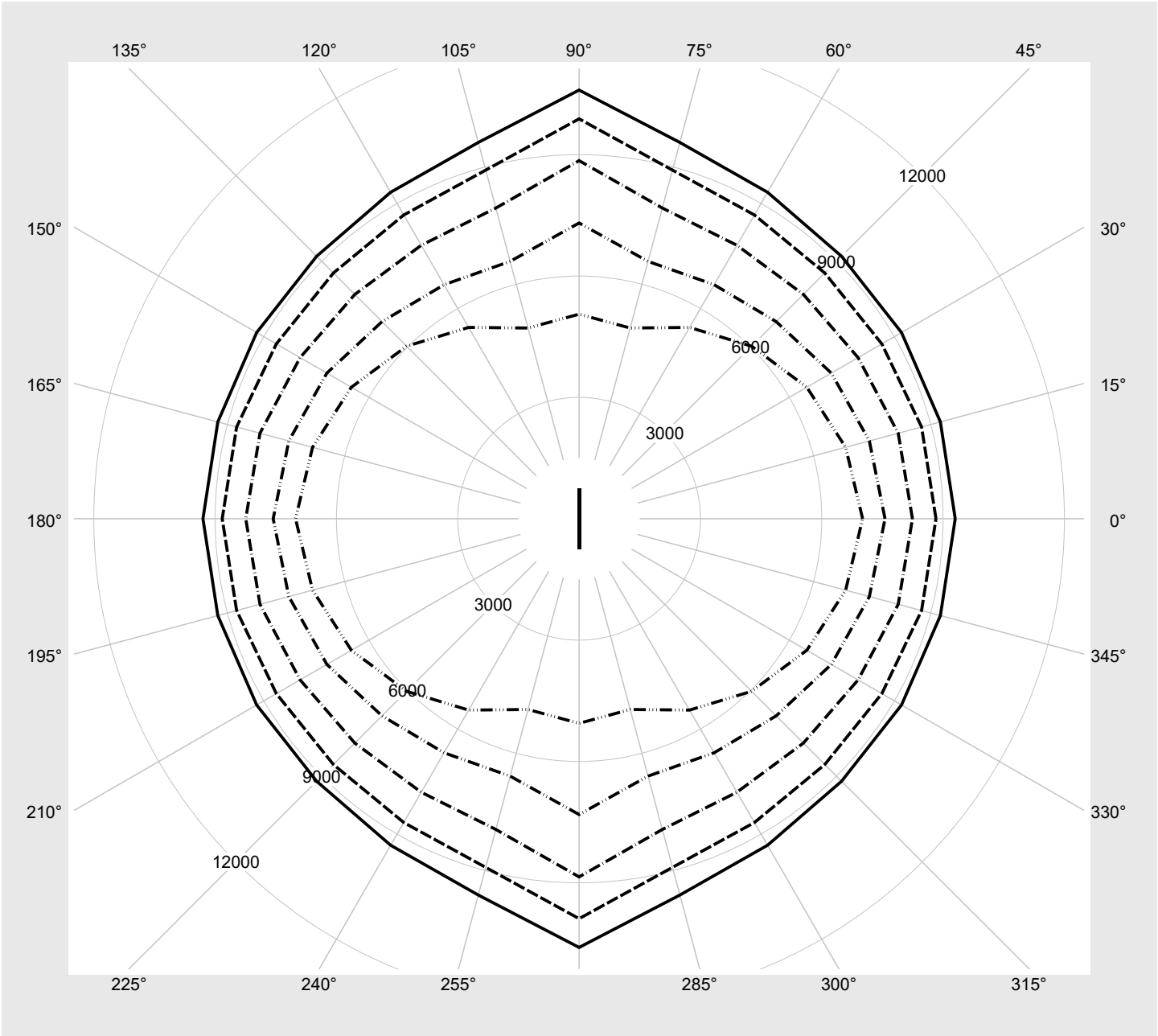
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Family Monsun® 11	Order number: 51FP20DP460L007 EAN: 4069025268914	LP number 59060_238
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	6200	36.0
95	240	252	5879	34.1
90	227	250	5579	32.3
85	214	248	5279	30.5
80	200	245	4951	28.7
75	187	243	4646	27.0
70	174	240	4338	25.4
65	161	237	4028	23.6
60	148	234	3716	21.9
55	135	231	3401	20.2
50	123	227	3108	18.5
45	110	223	2790	16.7
40	98	219	2492	14.9
35	85	214	2169	13.1
30	73	208	1869	11.4
25	60	201	1540	9.5
20	48	193	1234	7.9
15	36	182	924	6.3
10	24	168	612	4.7
5	13	145	323	3.4
3	7	122	165	2.9