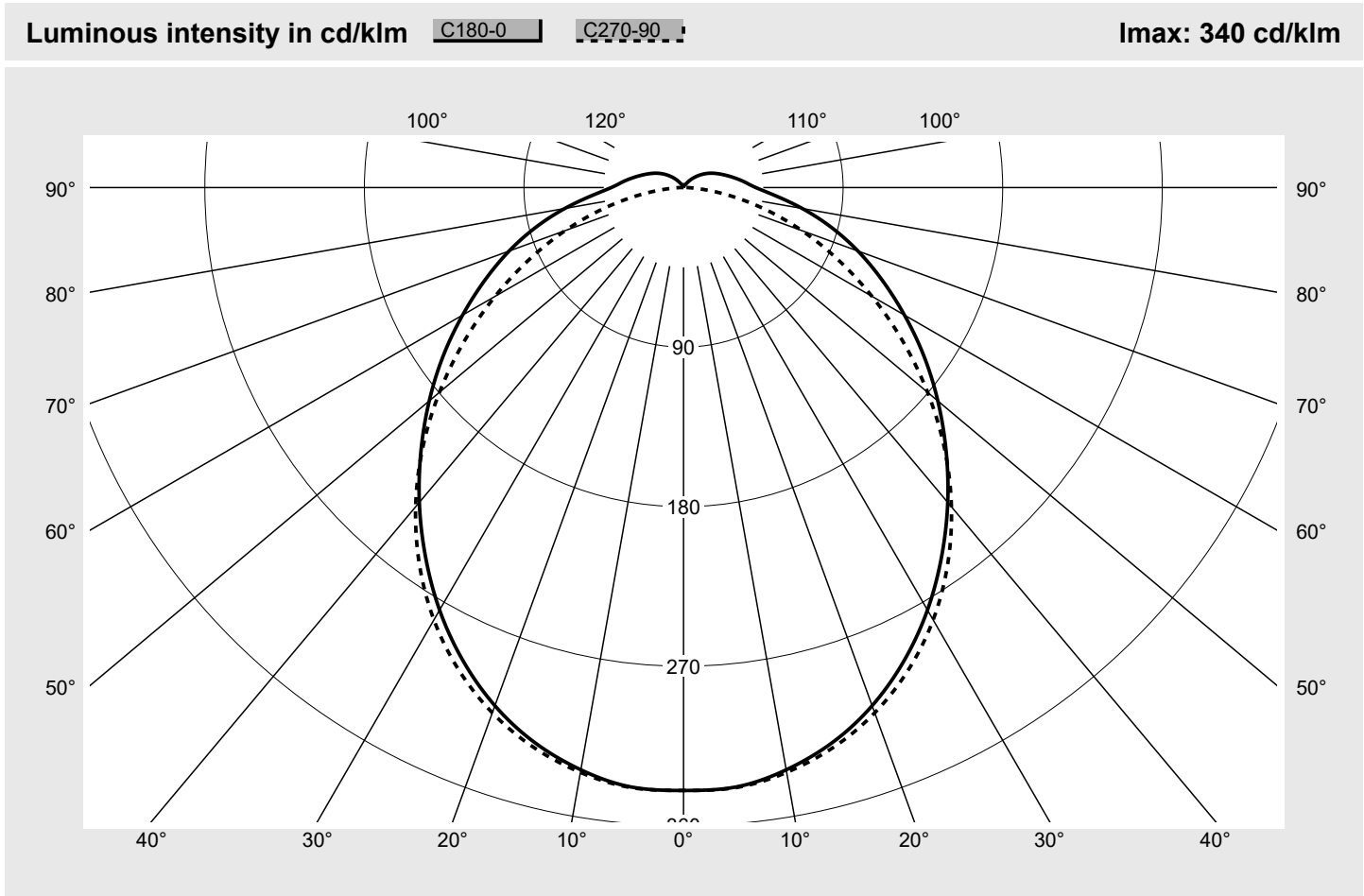


Photometric test report

Family Monsun® 11	Order number: 51FP107P437L3G EAN: 4069025280299	LP number 58939_151
	Version prismatic diffuser, opal, PMMA, wide distribution	serial documentation 01.10.2024
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG	
	Setting emergency light operation: 3 h	
	Rated values Net luminous flux = 990 lm Power consumption = 6.4 W Luminous efficacy = 154.7 lm/W	





Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=47 N2=77 N3=93	ϕ_u	94.2%
	N4=94 N5=100	ϕ_o	5.8%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 11	Order number: 51FP107P437L3G EAN: 4069025280299	LP number 58939_151
Table of values for luminous intensities		Maximum luminous intensity

sitEco

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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Family Monsun® 11	Order number: 51FP107P437L3G EAN: 4069025280299	LP number 58939_151
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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	13.8	15.5	14.1	15.8	16.1	13.8	15.5	14.1	15.8	16.1
	3H	15.5	17.1	15.9	17.4	17.8	15.1	16.7	15.5	17.0	17.4
	4H	16.3	17.8	16.7	18.1	18.5	15.7	17.1	16.1	17.5	17.9
	6H	17.1	18.4	17.5	18.8	19.2	16.0	17.4	16.4	17.8	18.1
	8H	17.5	18.7	17.9	19.1	19.5	16.2	17.4	16.6	17.8	18.2
	12H	17.8	19.0	18.2	19.4	19.8	16.2	17.4	16.6	17.8	18.2
4H	2H	14.5	15.9	14.9	16.3	16.7	14.5	15.9	14.9	16.3	16.6
	3H	16.4	17.7	16.8	18.1	18.5	16.0	17.3	16.5	17.7	18.1
	4H	17.4	18.5	17.8	18.9	19.3	16.7	17.8	17.1	18.2	18.7
	6H	18.3	19.3	18.7	19.7	20.2	17.2	18.2	17.6	18.6	19.0
	8H	18.7	19.6	19.2	20.1	20.5	17.3	18.2	17.8	18.7	19.1
	12H	19.1	19.9	19.6	20.4	20.9	17.4	18.2	17.9	18.7	19.2
8H	4H	17.7	18.6	18.2	19.1	19.5	17.1	18.0	17.6	18.4	18.9
	6H	18.8	19.6	19.3	20.0	20.5	17.7	18.5	18.2	18.9	19.4
	8H	19.3	20.0	19.8	20.5	21.0	17.9	18.6	18.4	19.1	19.6
	12H	19.9	20.5	20.4	21.0	21.5	18.1	18.7	18.6	19.2	19.7
12H	4H	17.7	18.6	18.2	19.0	19.5	17.2	18.0	17.7	18.5	18.9
	6H	18.9	19.6	19.4	20.0	20.5	17.9	18.5	18.4	19.0	19.5
	8H	19.5	20.1	20.0	20.6	21.1	18.1	18.7	18.6	19.2	19.7

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	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°	1707.0	1717.6	1730.2	1766.4	1842.6	1944.7	2079.6			
	50°	1619.0	1625.0	1637.2	1662.1	1725.0	1821.9	1969.7			
	55°	1535.2	1537.0	1546.4	1558.6	1607.2	1691.9	1847.7			
	60°	1452.4	1451.2	1453.7	1458.3	1490.3	1560.3	1717.4			
	65°	1379.6	1376.3	1364.6	1356.0	1375.0	1427.6	1581.0			
	70°	1317.1	1309.6	1275.7	1251.6	1253.8	1288.0	1434.4			
	75°	1251.9	1240.1	1192.5	1144.1	1115.8	1127.3	1260.2			
	80°	1182.8	1163.2	1115.5	1029.5	957.8	925.9	1030.6			
	85°	1132.4	1108.4	1056.6	948.8	806.5	691.0	719.7			

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Family
Monsun® 11

Order number: 51FP107P437L3G
EAN: 4069025280299

LP number
58939_151

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

