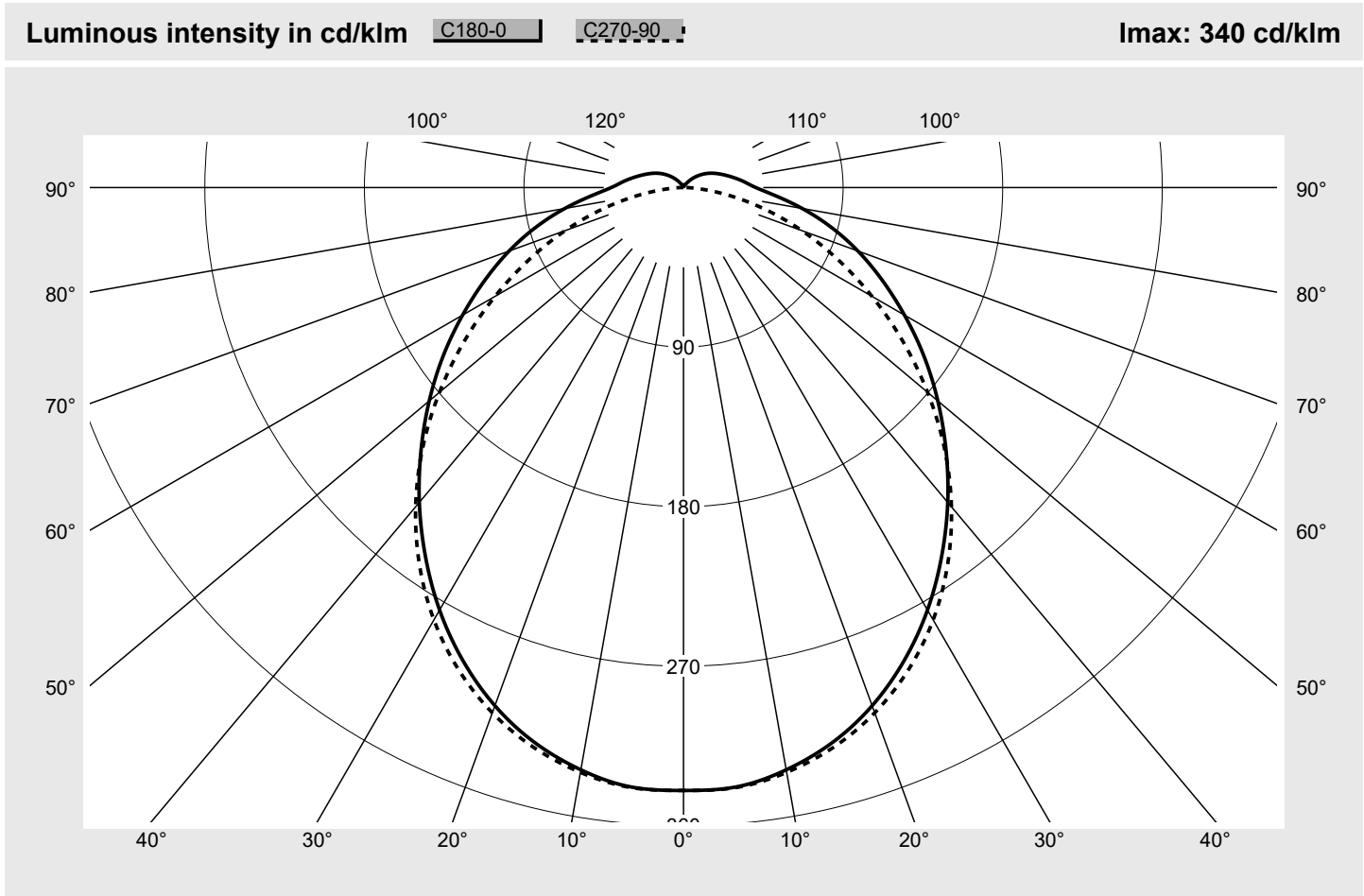


Photometric test report

Family Monsun® 21	Order number: 51FB10DP487C3H EAN: 4069025178145	LP number 58939_143
	Version prismatic diffuser, opal, PMMA, extremely wide distribution	serial documentation 08.05.2024
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG-DALI	
	Setting emergency light operation: 3 h	
	Rated values Net luminous flux = 930 lm Power consumption = 6.4 W Luminous efficacy = 145.3 lm/W	
		



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	ηLB	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® 21	Order number: 51FB10DP487C3H EAN: 4069025178145	LP number 58939_143
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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Family Monsun® 21			Order number: 51FB10DP487C3H EAN: 4069025178145							LP number 58939_143	
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	13.6	15.3	13.9	15.6	15.9	13.6	15.3	13.9	15.6	15.9
	3H	15.3	16.8	15.7	17.2	17.5	14.9	16.5	15.3	16.8	17.2
	4H	16.1	17.6	16.5	17.9	18.3	15.5	16.9	15.8	17.3	17.6
	6H	16.9	18.2	17.3	18.6	19.0	15.8	17.2	16.2	17.5	17.9
	8H	17.3	18.5	17.7	18.9	19.3	16.0	17.2	16.4	17.6	18.0
	12H	17.6	18.7	18.0	19.1	19.6	16.0	17.2	16.4	17.6	18.0
4H	2H	14.3	15.7	14.7	16.1	16.4	14.3	15.7	14.6	16.1	16.4
	3H	16.2	17.5	16.6	17.8	18.2	15.8	17.1	16.2	17.5	17.9
	4H	17.2	18.3	17.6	18.7	19.1	16.5	17.6	16.9	18.0	18.4
	6H	18.1	19.1	18.5	19.5	19.9	16.9	17.9	17.4	18.4	18.8
	8H	18.5	19.4	19.0	19.8	20.3	17.1	18.0	17.6	18.5	18.9
	12H	18.9	19.7	19.4	20.2	20.7	17.2	18.0	17.7	18.5	19.0
8H	4H	17.5	18.4	17.9	18.8	19.3	16.9	17.8	17.3	18.2	18.7
	6H	18.6	19.3	19.1	19.8	20.3	17.5	18.3	18.0	18.7	19.2
	8H	19.1	19.8	19.6	20.3	20.8	17.7	18.4	18.2	18.9	19.4
	12H	19.7	20.2	20.2	20.7	21.3	17.9	18.5	18.4	19.0	19.5
12H	4H	17.5	18.4	18.0	18.8	19.3	17.0	17.8	17.5	18.2	18.7
	6H	18.7	19.3	19.2	19.8	20.3	17.7	18.3	18.2	18.8	19.3
	8H	19.3	19.8	19.8	20.3	20.9	17.9	18.5	18.4	19.0	19.5

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° 50° 55° 60°		1603.6	1613.5	1625.3	1659.3	1730.9	1826.8	1953.5
		1520.9	1526.5	1537.9	1561.4	1620.5	1711.5	1850.4
		1442.2	1443.9	1452.7	1464.1	1509.8	1589.3	1735.7
		1364.4	1363.2	1365.6	1369.9	1400.0	1465.7	1613.3
65° 70° 75° 80°		1296.0	1292.9	1281.9	1273.8	1291.7	1341.1	1485.2
		1237.3	1230.3	1198.3	1175.7	1177.8	1209.9	1347.5
		1176.0	1164.9	1120.2	1074.8	1048.1	1058.9	1183.8
		1111.1	1092.7	1047.9	967.1	899.8	869.8	968.1
85°		1063.8	1041.3	992.6	891.3	757.6	649.2	676.1

Photometric test report

Family
Monsun® 21

Order number: 51FB10DP487C3H
EAN: 4069025178145

LP number
58939_143

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

