
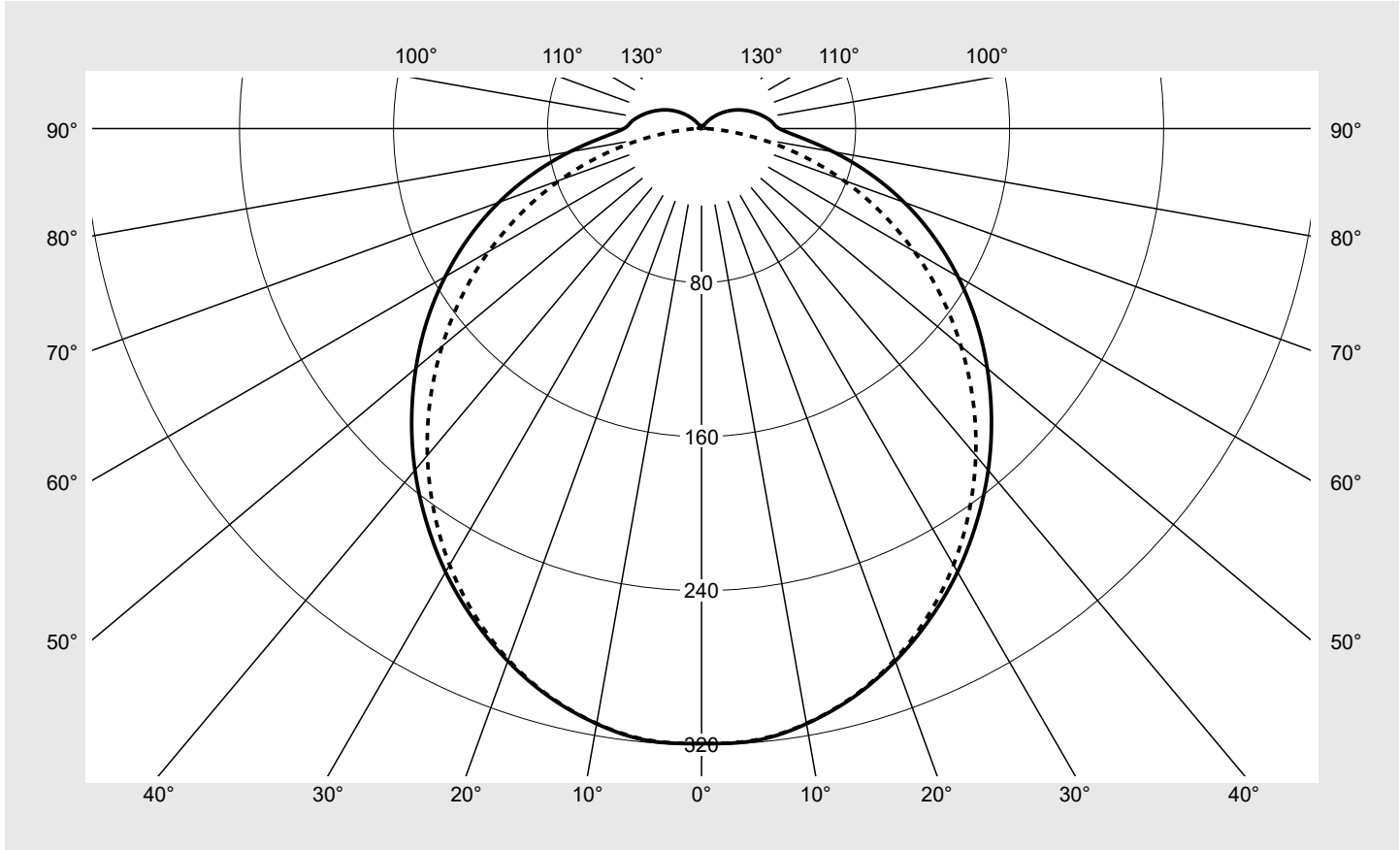


Photometric test report

Family Monsun® 21	Order number: 51FG207P440B EAN: 4058352520369	LP number 59060_66
	Version prismatic diffuser, opal, polycarbonate, wide distribution	serial documentation 17.06.2021
	Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 5050 lm Power consumption = 35.4 W Luminous efficacy = 142.7 lm/W	
		

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

Photometric test report

Family Monsun® 21	Order number: 51FG207P440B EAN: 4058352520369	LP number 59060_66
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°	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

Photometric test report

Family Monsun® 21	Order number: 51FG207P440B EAN: 4058352520369	LP number 59060_66
-----------------------------	--	------------------------------

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	19.7	21.5	20.1	21.8	22.1	19.5	21.3	19.9	21.6	21.9
	3H	21.5	23.1	21.9	23.4	23.8	21.1	22.7	21.5	23.0	23.4
	4H	22.4	23.8	22.8	24.2	24.6	21.7	23.2	22.1	23.5	23.9
	6H	23.1	24.5	23.5	24.8	25.2	22.1	23.5	22.5	23.9	24.3
	8H	23.4	24.7	23.9	25.1	25.5	22.3	23.6	22.7	24.0	24.4
	12H	23.7	24.9	24.1	25.3	25.7	22.3	23.6	22.8	24.0	24.4
4H	2H	20.5	21.9	20.9	22.3	22.7	20.3	21.8	20.7	22.1	22.5
	3H	22.5	23.7	22.9	24.1	24.5	22.1	23.3	22.5	23.7	24.1
	4H	23.4	24.6	23.9	25.0	25.4	22.8	24.0	23.2	24.4	24.8
	6H	24.3	25.3	24.8	25.7	26.2	23.3	24.4	23.8	24.8	25.2
	8H	24.7	25.6	25.2	26.1	26.5	23.5	24.5	24.0	24.9	25.4
	12H	25.1	25.9	25.5	26.3	26.8	23.6	24.5	24.1	24.9	25.4
8H	4H	23.8	24.7	24.2	25.2	25.6	23.2	24.2	23.7	24.6	25.1
	6H	24.8	25.6	25.3	26.1	26.6	23.9	24.7	24.4	25.2	25.7
	8H	25.3	26.0	25.8	26.5	27.0	24.2	24.9	24.6	25.3	25.9
	12H	25.8	26.4	26.3	26.9	27.4	24.3	24.9	24.8	25.4	26.0
12H	4H	23.8	24.7	24.3	25.1	25.6	23.3	24.2	23.8	24.6	25.1
	6H	24.9	25.6	25.4	26.1	26.6	24.1	24.7	24.6	25.2	25.7
	8H	25.4	26.0	25.9	26.5	27.1	24.4	25.0	24.9	25.4	26.0

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	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		8856.5	8844.3	8854.2	8935.6	9177.8	9554.7	10158.5
50°		8544.1	8519.0	8532.5	8591.4	8803.4	9166.9	9839.2
55°		8240.7	8200.3	8212.6	8237.1	8417.0	8752.9	9500.4
60°		7916.5	7876.5	7873.2	7872.3	8016.6	8318.8	9101.7
65°		7575.5	7533.1	7498.6	7474.9	7590.7	7843.6	8631.4
70°		7187.7	7140.8	7041.0	6997.8	7062.4	7267.1	8052.0
75°		6713.9	6654.1	6488.6	6387.9	6358.0	6477.0	7210.6
80°		6161.2	6052.5	5866.0	5613.0	5440.5	5365.0	5955.0
85°		5710.3	5557.5	5295.8	4913.5	4448.5	3975.7	4119.0

Photometric test report

Family Monsun® 21	Order number: 51FG207P440B EAN: 4058352520369	LP number 59060_66
------------------------------------	--	-------------------------------------

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

