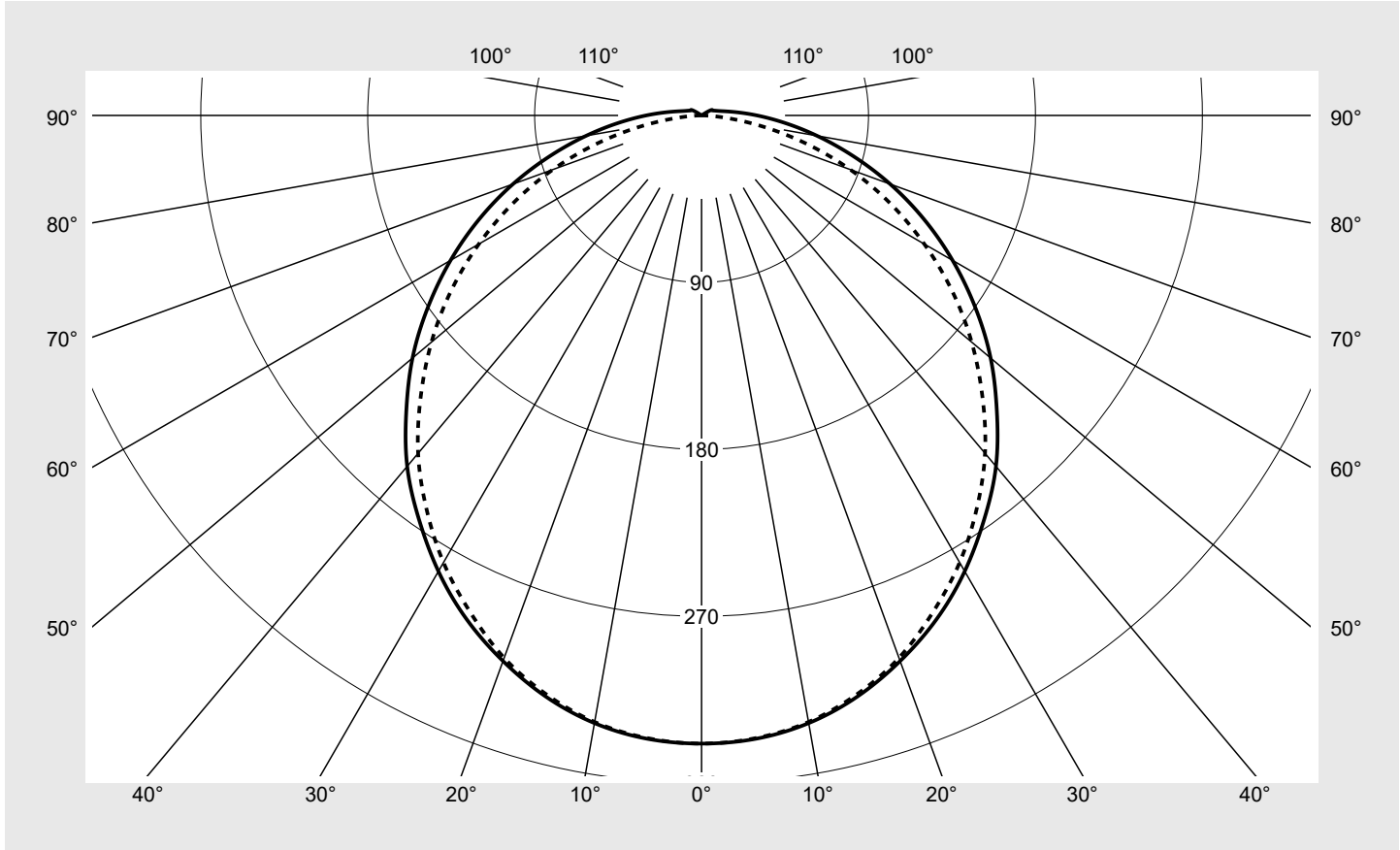


Photometric test report

Family Monsun® Ex	Order number: 51FXA27L440A EAN: 4058352933176	LP number 59501_14
	Version prismatic diffuser, opal, polycarbonate, diffuse beam Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 4650 lm Power consumption = 30.0 W Luminous efficacy = 155 lm/W	serial documentation 04.03.2024



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 339 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=46 N2=76 N3=94 N4=98 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	97.9%
ϕ_o	2.1%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® Ex	Order number: 51FXA27L440A EAN: 4058352933176	LP number 59501_14
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°	338.6	338.6	338.6	338.6	338.6	338.6	338.6	2.0	2.0
5°	337.3	337.1	336.9	337.0	336.8	336.8	336.9	16.1	18.1
10°	332.6	332.4	332.2	331.8	332.3	331.3	332.0	31.6	49.7
15°	324.4	324.0	323.4	323.3	322.8	323.2	323.1	45.9	95.6
20°	313.0	312.8	312.1	311.8	311.2	311.1	311.2	58.5	154.1
25°	299.7	299.5	299.1	297.8	297.2	295.9	295.3	69.0	223.1
30°	283.8	283.7	282.9	280.9	280.1	278.4	278.3	77.1	300.1
35°	265.7	265.3	264.3	261.2	260.4	259.3	258.7	82.4	382.5
40°	246.9	245.4	243.6	241.2	239.5	238.0	237.8	85.2	467.7
45°	225.1	224.2	222.2	220.0	216.4	214.9	214.1	85.1	552.8
50°	203.4	202.1	200.5	197.1	193.4	190.8	190.1	82.6	635.4
55°	180.0	178.9	176.5	172.8	168.7	166.4	164.9	77.5	712.9
60°	156.3	155.0	152.4	147.7	143.3	140.3	138.7	70.1	783.0
65°	132.3	130.4	127.3	122.6	117.7	113.7	112.3	60.8	843.8
70°	108.2	106.3	102.3	97.1	91.4	86.7	85.3	49.8	893.6
75°	84.6	83.1	78.6	72.2	65.5	60.3	58.0	38.0	931.7
80°	63.2	61.7	56.7	49.6	41.8	35.3	32.2	26.3	958.0
85°	44.6	42.7	37.9	30.7	22.5	14.8	11.0	16.1	974.1
90°	29.9	28.2	23.8	17.4	10.3	4.0	0.9	9.1	983.1
95°	19.4	18.0	14.5	9.8	5.0	1.7	0.7	5.4	988.5
100°	12.9	11.9	9.5	6.4	3.5	1.3	0.6	3.5	992.0
105°	9.4	8.8	7.1	5.0	2.8	1.0	0.5	2.6	994.7
110°	7.6	7.1	5.9	4.2	2.3	0.7	0.3	2.1	996.7
115°	6.5	6.0	5.0	3.5	1.7	0.4	0.3	1.7	998.4
120°	5.5	5.1	2.9	1.8	0.9	0.3	0.3	1.1	999.5
125°	0.1	0.7	1.0	0.8	0.5	0.3	0.2	0.3	999.7
130°	0.0	0.0	0.2	0.3	0.3	0.2	0.2	0.1	999.8
135°	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.0	999.9
140°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	999.9
145°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	999.9
150°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.0	1000.0
155°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1000.0
160°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Monsun® Ex	Order number: 51FXA27L440A EAN: 4058352933176	LP number 59501_14
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UGR-Table	Standard room	siteco
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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	18.0	19.7	18.3	20.0	20.3	18.2	19.9	18.5	20.2	20.5
	3H	19.6	21.1	20.0	21.5	21.8	19.7	21.3	20.1	21.6	21.9
	4H	20.3	21.7	20.7	22.1	22.5	20.3	21.7	20.7	22.1	22.5
	6H	20.9	22.2	21.3	22.6	23.0	20.6	22.0	21.1	22.4	22.8
	8H	21.1	22.4	21.6	22.8	23.2	20.8	22.1	21.2	22.4	22.8
	12H	21.3	22.5	21.8	22.9	23.3	20.8	22.0	21.2	22.4	22.8
4H	2H	18.7	20.2	19.1	20.5	20.9	18.9	20.3	19.3	20.7	21.0
	3H	20.5	21.7	20.9	22.1	22.5	20.5	21.8	21.0	22.2	22.6
	4H	21.3	22.4	21.7	22.8	23.3	21.2	22.3	21.6	22.7	23.2
	6H	22.0	23.0	22.5	23.4	23.9	21.7	22.7	22.1	23.1	23.6
	8H	22.3	23.2	22.8	23.7	24.1	21.8	22.7	22.3	23.2	23.6
	12H	22.6	23.4	23.1	23.9	24.4	21.9	22.7	22.4	23.2	23.7
8H	4H	21.6	22.5	22.1	23.0	23.4	21.5	22.4	22.0	22.9	23.3
	6H	22.4	23.2	22.9	23.7	24.2	22.1	22.9	22.6	23.3	23.8
	8H	22.8	23.5	23.3	24.0	24.5	22.3	23.0	22.8	23.5	24.0
	12H	23.2	23.8	23.7	24.3	24.8	22.4	23.0	22.9	23.5	24.0
12H	4H	21.6	22.5	22.1	22.9	23.4	21.6	22.4	22.1	22.9	23.3
	6H	22.5	23.2	23.0	23.7	24.2	22.2	22.9	22.7	23.3	23.9
	8H	23.0	23.5	23.5	24.0	24.6	22.4	23.0	22.9	23.5	24.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1280	H(C0) = 50	H(C180) = 50
			B = 155	H(C90) = 50	H(C270) = 50

C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		5641.9	5622.1	5669.8	5807.2	6001.1	6353.7	6829.7	
50°		5357.9	5328.0	5389.6	5508.2	5721.3	6077.5	6622.7	
55°		5036.6	5009.8	5055.8	5173.1	5392.3	5796.6	6381.6	
60°		4699.5	4665.0	4707.0	4797.0	5019.6	5433.7	6088.1	
65°		4335.3	4279.4	4301.2	4389.8	4602.4	5004.4	5744.9	
70°		3931.8	3866.7	3849.7	3907.1	4076.3	4457.8	5277.4	
75°		3477.3	3419.6	3363.7	3345.1	3432.4	3760.1	4587.8	
80°		3014.6	2946.4	2838.5	2732.2	2677.8	2822.4	3558.8	
85°		2558.4	2457.1	2308.7	2106.4	1869.1	1667.7	2049.8	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

