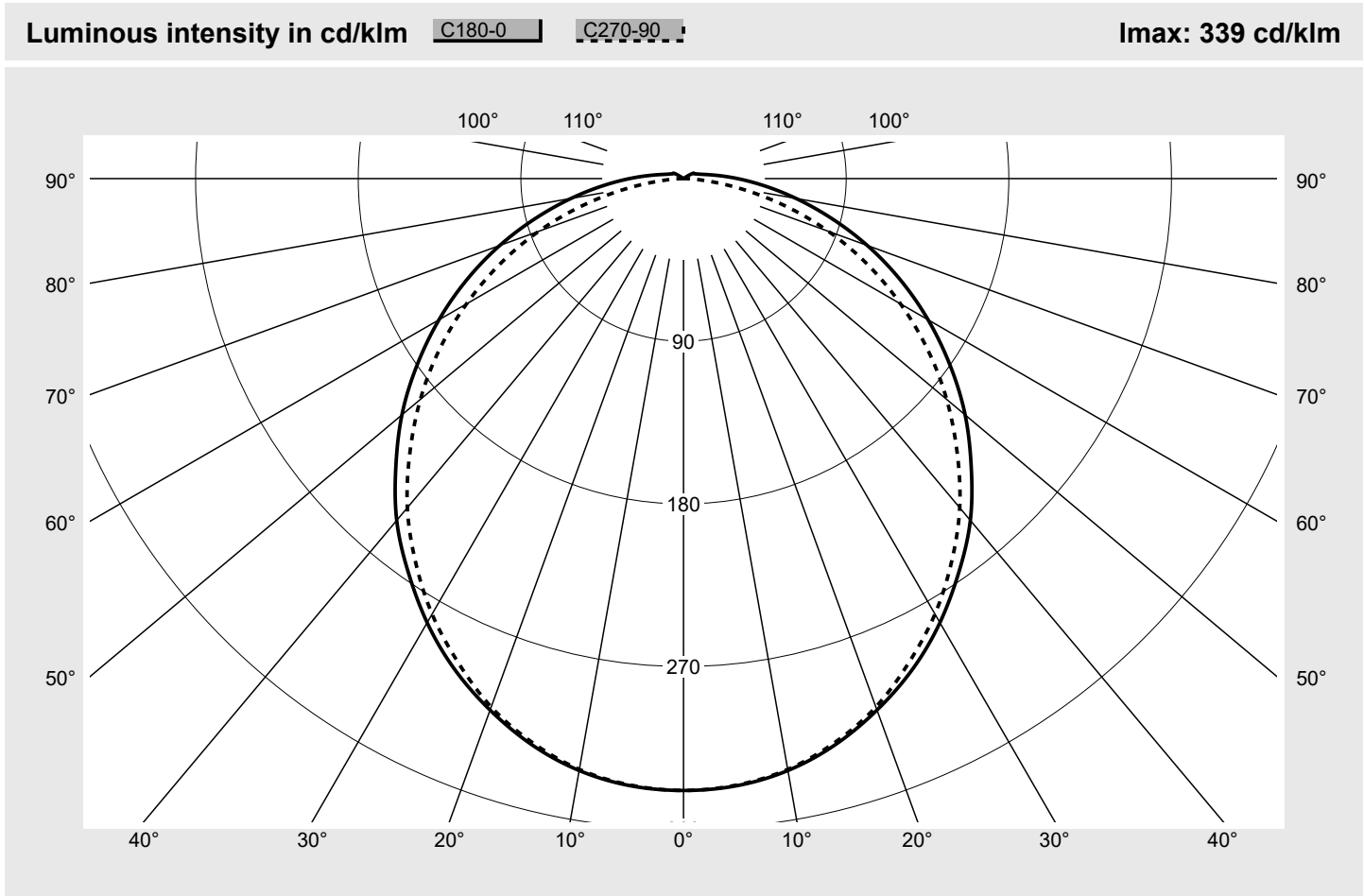


Photometric test report

Family Monsun® Ex	Order number: 51FXA27L440A EAN: 4058352933176	LP number 59501_21
	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 = 33.0 W Luminous efficacy = 140.9 lm/W
		serial documentation 02.12.2024
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=46 N2=76 N3=94	ϕ_u	97.9%
	N4=98 N5=100	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_21
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°	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_21	
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	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 B = 155	H(C0) = 50 H(C90) = 50	H(C180) = 50 H(C270) = 50
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°		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

Photometric test report

Family
Monsun® Ex

Order number: 51FXA27L440A
EAN: 4058352933176

LP number
59501_21

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco

