

Photometric test report

Family
Monsun® Ex

Order number: **51FXB17P4C0A**
EAN: **4058352933329**

LP number
59500_3



Version prismatic diffuser, opal, polycarbonate, elliptical medium distributon

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 14960 lm
Power consumption = 94.7 W
Luminous efficacy = 158 lm/W

serial
documentation
06.11.2023

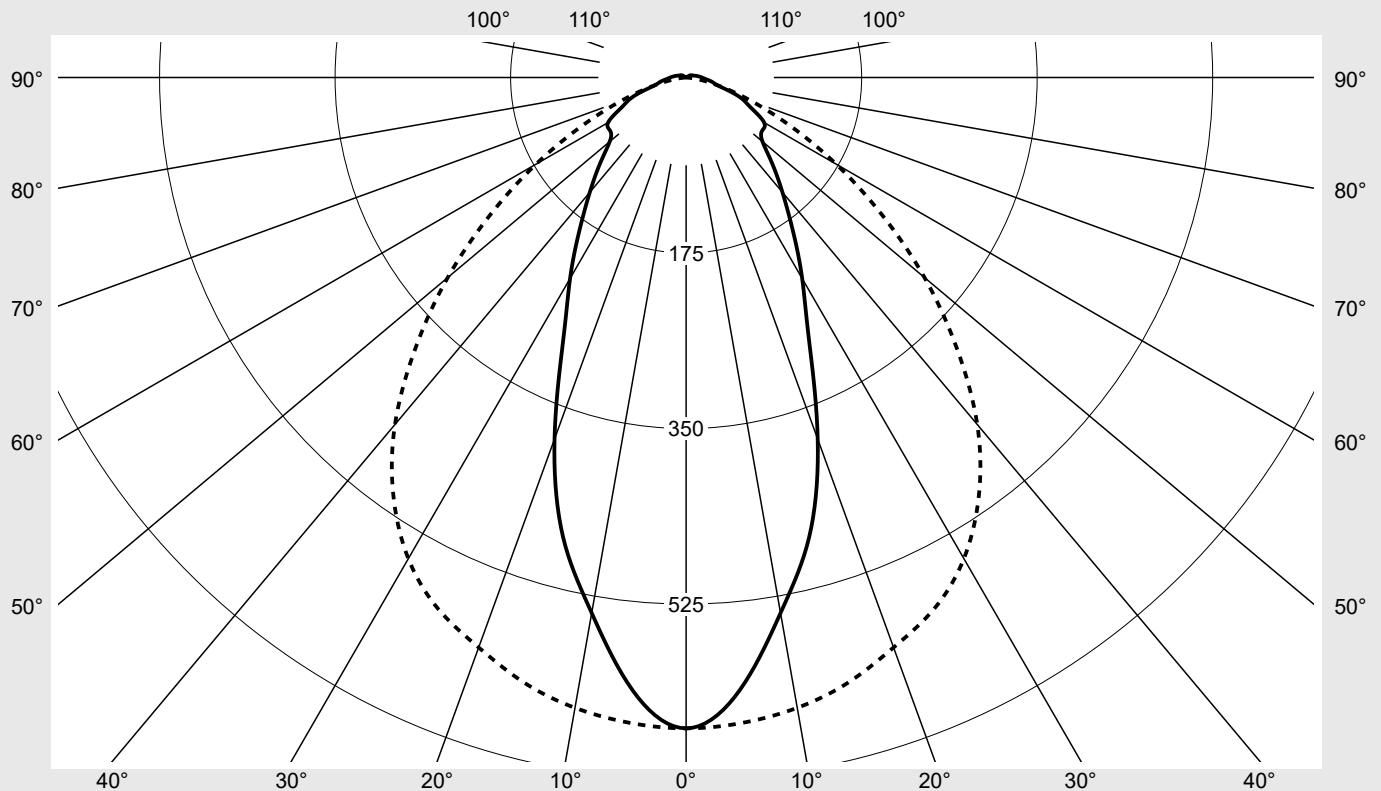
sitEco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: **649 cd/klm**



Classifications

DIN 5040 A 5 1
CIE N1=61 N2=86 N3=97
N4=98 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 98.3%
 ϕ_o 1.7%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® Ex	Order number: 51FXB17P4C0A EAN: 4058352933329	LP number 59500_3
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°	648.9	648.9	648.9	648.9	648.9	648.9	648.9	3.9	3.9
5°	613.2	614.6	619.7	628.1	636.7	643.2	645.9	30.0	33.9
10°	542.2	547.0	559.3	579.7	603.7	626.8	638.1	55.6	89.5
15°	474.2	479.5	494.7	520.1	559.4	601.8	624.5	75.8	165.3
20°	383.6	394.2	422.7	461.8	507.0	568.3	604.8	89.0	254.3
25°	290.3	301.3	333.6	392.4	452.0	525.9	584.7	94.3	348.6
30°	231.4	238.1	258.4	313.2	392.6	474.9	553.9	94.5	443.2
35°	185.1	190.9	209.8	244.2	327.3	418.4	508.9	91.0	534.2
40°	149.4	153.3	167.8	197.2	262.5	358.4	451.6	84.5	618.8
45°	121.4	125.7	136.6	159.1	205.5	298.1	381.7	76.0	694.8
50°	99.4	102.9	112.6	127.3	162.4	239.6	310.3	66.5	761.2
55°	92.5	90.5	93.6	105.4	127.7	185.3	238.1	57.5	818.7
60°	89.8	87.6	84.0	89.0	99.3	137.3	172.8	49.7	868.4
65°	71.3	71.5	68.0	74.2	78.9	97.8	115.4	40.1	908.5
70°	56.8	56.8	54.2	55.0	59.8	66.0	70.6	30.5	939.0
75°	35.1	36.1	37.2	40.2	39.9	39.4	37.9	20.2	959.2
80°	26.8	27.5	28.0	26.5	24.0	19.4	15.9	13.2	972.4
85°	20.0	20.2	19.4	18.1	12.9	7.0	3.5	8.1	980.6
90°	15.8	15.3	14.4	12.2	6.5	2.4	1.0	5.4	986.0
95°	12.6	12.1	10.4	8.1	3.9	1.7	1.1	3.9	989.9
100°	9.8	9.4	7.3	5.6	3.5	1.7	0.9	2.9	992.8
105°	7.5	6.9	6.5	4.6	3.2	1.2	0.9	2.3	995.2
110°	6.4	6.2	5.5	4.0	2.8	1.0	0.8	2.0	997.2
115°	5.3	5.1	4.3	3.3	1.8	0.6	0.6	1.5	998.6
120°	3.9	3.7	2.2	1.6	1.0	0.4	0.5	0.9	999.5
125°	0.4	0.7	0.9	0.8	0.5	0.3	0.4	0.3	999.8
130°	0.0	0.1	0.3	0.4	0.2	0.2	0.3	0.1	999.9
135°	0.0	0.0	0.1	0.2	0.1	0.2	0.2	0.0	999.9
140°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	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: 51FXB17P4C0A EAN: 4058352933329	LP number 59500_3
-----------------------------	--	-----------------------------

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	17.6	19.2	18.0	19.5	19.8	22.5	24.0	22.8	24.3	24.6
	3H	19.0	20.4	19.4	20.8	21.1	23.4	24.8	23.8	25.1	25.4
	4H	19.4	20.8	19.8	21.1	21.5	23.6	24.9	24.0	25.3	25.6
	6H	19.8	21.0	20.2	21.4	21.8	23.8	24.9	24.2	25.3	25.7
	8H	20.0	21.1	20.4	21.5	21.9	23.8	24.9	24.3	25.2	25.6
	12H	20.1	21.2	20.5	21.6	22.0	23.8	24.8	24.3	25.2	25.6
4H	2H	18.5	19.8	18.9	20.1	20.5	22.5	23.8	22.9	24.2	24.5
	3H	20.0	21.1	20.4	21.5	21.9	23.6	24.7	24.0	25.1	25.5
	4H	20.5	21.5	20.9	21.9	22.3	23.9	24.9	24.4	25.3	25.7
	6H	20.9	21.8	21.4	22.2	22.7	24.1	24.9	24.6	25.4	25.8
	8H	21.1	21.9	21.6	22.4	22.8	24.1	24.9	24.6	25.3	25.8
	12H	21.3	22.0	21.8	22.5	23.0	24.2	24.8	24.6	25.3	25.8
8H	4H	20.8	21.6	21.3	22.0	22.5	24.0	24.8	24.4	25.2	25.7
	6H	21.4	22.0	21.9	22.5	23.0	24.2	24.8	24.7	25.3	25.8
	8H	21.7	22.2	22.2	22.7	23.2	24.3	24.8	24.8	25.3	25.8
	12H	22.0	22.4	22.5	22.9	23.5	24.3	24.7	24.8	25.2	25.8
12H	4H	20.9	21.5	21.4	22.0	22.5	24.0	24.7	24.5	25.1	25.6
	6H	21.5	22.0	22.0	22.5	23.0	24.2	24.8	24.7	25.3	25.8
	8H	21.8	22.3	22.3	22.8	23.3	24.3	24.8	24.8	25.3	25.8

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1580	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°		7932.5	8231.2	9107.9	10990.6	14935.7	23118.3	31960.6	
50°		6824.8	7079.2	7917.1	9317.6	12597.4	20041.9	28414.1	
55°		6744.8	6616.9	7008.8	8265.5	10711.6	16974.4	24259.9	
60°		7040.7	6888.0	6788.9	7581.8	9145.6	14004.8	20010.9	
65°		6088.7	6130.0	6022.9	6979.5	8116.6	11360.3	15623.6	
70°		5380.6	5397.9	5348.7	5818.1	7033.3	8978.4	11593.7	
75°		3760.4	3886.6	4180.5	4905.8	5526.7	6527.5	8005.3	
80°		3332.5	3434.7	3680.8	3857.9	4073.9	4144.0	4749.1	
85°		2993.4	3036.6	3113.4	3283.1	2871.7	2119.1	1779.9	

Photometric test report

Family Monsun® Ex	Order number: 51FXB17P4C0A EAN: 4058352933329	LP number 59500_3
------------------------------------	--	------------------------------------

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

