

Photometric test report

Family
Monsun® 21

Order number: **51FB20ML460K**
EAN: **4069025131768**

LP number
59394_47



Version prismatic diffuser, opal, polycarbonate, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 6030 lm
Power consumption = 37.0 W
Luminous efficacy = 163 lm/W

serial
documentation
05.02.2026

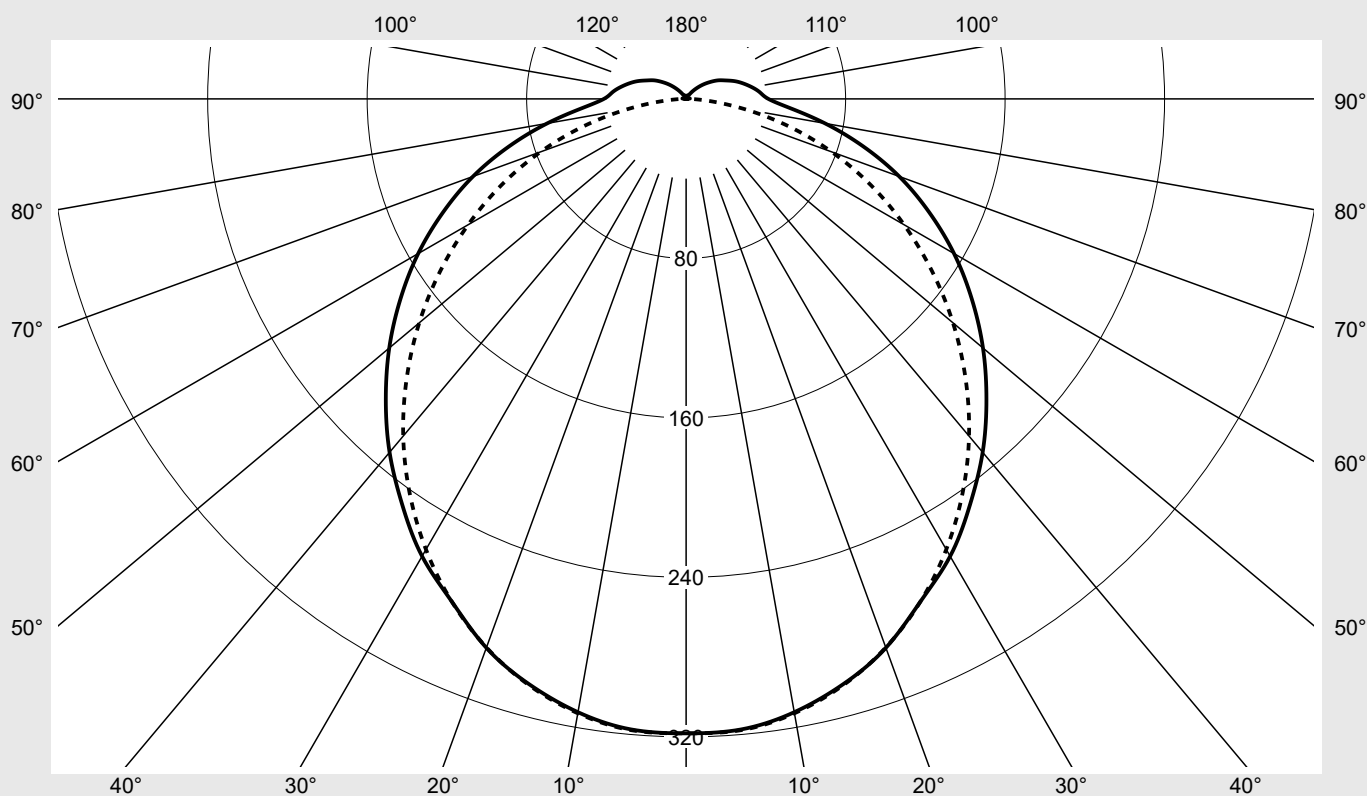
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 318 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: 51FB20ML460K EAN: 4069025131768	LP number 59394_47
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°	318.2	318.2	318.2	318.2	318.2	318.2	318.2	1.9	1.9
5°	317.5	317.5	315.1	315.9	316.6	317.2	317.8	15.1	17.0
10°	312.4	312.6	310.3	310.8	311.5	312.2	312.9	29.7	46.7
15°	304.0	304.5	302.1	302.5	303.1	303.6	304.5	43.0	89.7
20°	293.0	293.3	291.0	291.0	291.4	291.9	292.8	54.7	144.5
25°	278.2	280.0	277.5	276.9	276.9	277.3	278.2	64.3	208.8
30°	264.9	265.0	262.4	260.7	260.0	260.0	261.0	71.8	280.6
35°	248.3	248.5	245.7	243.1	241.2	240.6	241.7	76.7	357.3
40°	231.4	230.9	227.8	224.4	221.2	219.7	220.8	79.3	436.6
45°	213.0	212.5	208.9	204.3	200.0	197.3	198.2	79.4	515.9
50°	194.4	193.4	189.5	184.3	178.4	174.4	174.7	77.3	593.2
55°	174.9	174.0	169.9	163.6	156.5	151.3	150.6	73.2	666.4
60°	155.2	153.6	149.3	142.2	134.7	128.1	126.2	67.1	733.5
65°	134.5	133.3	127.9	120.6	112.6	105.3	102.1	59.5	793.0
70°	113.8	111.2	106.2	98.6	90.1	81.8	77.7	50.1	843.1
75°	91.9	90.6	84.2	76.2	67.3	58.7	53.5	39.7	882.8
80°	70.8	68.8	62.9	54.4	45.2	36.1	30.1	28.6	911.4
85°	52.2	50.3	44.7	36.3	26.8	17.6	11.2	18.9	930.2
90°	41.3	39.2	33.7	25.7	16.7	7.7	2.0	13.2	943.5
95°	37.2	35.5	30.5	23.1	14.2	5.7	1.8	11.7	955.1
100°	33.6	31.9	27.2	20.0	11.9	4.1	1.6	10.1	965.3
105°	29.8	28.2	23.6	17.2	9.5	2.6	1.4	8.5	973.8
110°	26.0	24.2	20.2	14.2	7.2	1.5	1.2	7.0	980.8
115°	21.9	20.5	16.9	11.4	5.1	1.4	1.2	5.5	986.3
120°	18.6	17.0	13.7	8.7	3.2	1.3	1.1	4.3	990.6
125°	14.8	13.4	10.4	6.0	1.7	1.3	1.1	3.1	993.6
130°	11.3	10.0	7.4	3.7	1.5	1.3	1.1	2.1	995.7
135°	7.8	6.8	4.7	1.9	1.5	1.3	1.0	1.3	997.1
140°	4.8	4.0	2.4	1.7	1.5	1.2	1.0	0.8	997.9
145°	2.3	2.1	1.9	1.7	1.5	1.3	1.2	0.5	998.4
150°	2.0	2.0	1.9	1.7	1.5	1.4	1.3	0.5	998.9
155°	1.9	1.9	1.8	1.7	1.5	1.4	1.3	0.4	999.3
160°	1.8	1.8	1.8	1.6	1.5	1.5	1.4	0.3	999.6
165°	1.7	1.7	1.6	1.5	1.5	1.5	1.4	0.2	999.8
170°	1.5	1.6	1.5	1.5	1.5	1.5	1.4	0.1	999.9
175°	1.5	1.5	1.5	1.5	1.5	1.5	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

Photometric test report

Family Monsun® 21			Order number: 51FB20ML460K EAN: 4069025131768							LP number 59394_47	
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	21.1	22.8	21.4	23.1	23.4	20.8	22.5	21.2	22.8	23.2
	3H	22.9	24.5	23.3	24.8	25.2	22.4	23.9	22.7	24.3	24.6
	4H	23.8	25.2	24.1	25.6	25.9	23.0	24.5	23.4	24.8	25.2
	6H	24.5	25.9	24.9	26.2	26.6	23.4	24.8	23.8	25.1	25.5
	8H	24.8	26.1	25.3	26.5	26.9	23.5	24.8	23.9	25.2	25.6
	12H	25.1	26.3	25.5	26.7	27.1	23.6	24.8	24.0	25.2	25.6
4H	2H	21.8	23.3	22.2	23.7	24.0	21.6	23.1	22.0	23.4	23.8
	3H	23.8	25.1	24.3	25.5	25.9	23.4	24.6	23.8	25.0	25.4
	4H	24.8	26.0	25.3	26.4	26.8	24.1	25.2	24.5	25.6	26.1
	6H	25.7	26.7	26.2	27.1	27.6	24.6	25.6	25.1	26.1	26.5
	8H	26.1	27.0	26.6	27.5	27.9	24.8	25.7	25.2	26.2	26.6
	12H	26.5	27.3	27.0	27.8	28.2	24.9	25.7	25.4	26.2	26.7
8H	4H	25.2	26.1	25.6	26.5	27.0	24.5	25.5	25.0	25.9	26.4
	6H	26.2	27.0	26.7	27.5	28.0	25.2	26.0	25.7	26.4	26.9
	8H	26.7	27.4	27.2	27.9	28.4	25.4	26.1	25.9	26.6	27.1
	12H	27.2	27.8	27.7	28.3	28.8	25.6	26.2	26.1	26.7	27.2
12H	4H	25.2	26.1	25.7	26.5	27.0	24.6	25.4	25.1	25.9	26.4
	6H	26.3	27.0	26.8	27.5	28.0	25.4	26.0	25.8	26.5	27.0
	8H	26.8	27.5	27.3	27.9	28.5	25.6	26.2	26.1	26.7	27.3

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1299 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°		12950.0	12959.0	12948.6	13041.8	13299.6	13806.8	14719.1
50°		12531.6	12510.9	12495.4	12567.1	12759.4	13242.8	14231.3
55°		12101.1	12086.9	12062.7	12077.9	12206.8	12660.6	13688.8
60°		11678.3	11619.3	11574.6	11532.2	11653.2	12038.7	13104.0
65°		11189.4	11153.9	11021.9	10950.5	11031.7	11384.3	12464.2
70°		10671.7	10504.6	10378.5	10255.0	10256.6	10510.7	11605.3
75°		9967.4	9906.4	9590.0	9353.4	9227.0	9371.2	10397.6
80°		9178.5	9004.9	8659.0	8219.8	7876.5	7694.6	8474.9
85°		8494.9	8295.4	7851.1	7213.4	6453.9	5679.3	5781.6

Photometric test report

Family
Monsun® 21

Order number: 51FB20ML460K
EAN: 4069025131768

LP number
59394_47

Luminance values in cd/m²

γ 65°

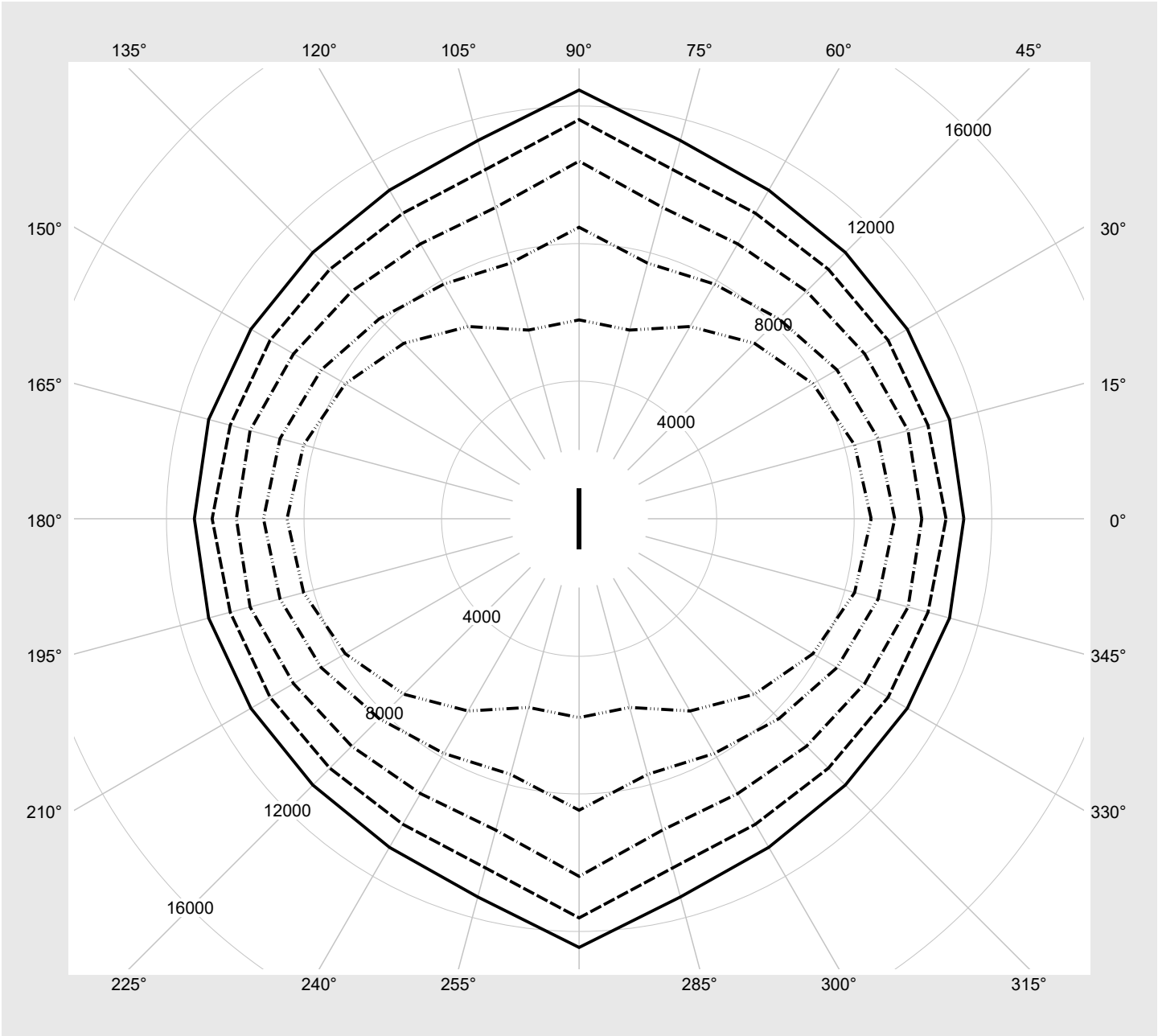
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Monsun® 21	Order number: 51FB20ML460K EAN: 4069025131768	LP number 59394_47
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	6030	37.0
2	A	C	F	5710	34.9
3	A	D	E	5440	33.2
4	A	D	F	5040	30.7
5	B	C	E	4630	28.2
6	B	C	F	4430	26.9
7	B	D	E	4090	24.9
8	B	D	F	3880	23.6