

Photometric test report

Family
Monsun® 21

Order number: **51FB10ML460K**
EAN: **4069025131584**

LP number
59393_44



Version prismatic diffuser, opal, PMMA, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 6020 lm
Power consumption = 33.2 W
Luminous efficacy = 181.3 lm/W

serial
documentation
05.02.2026

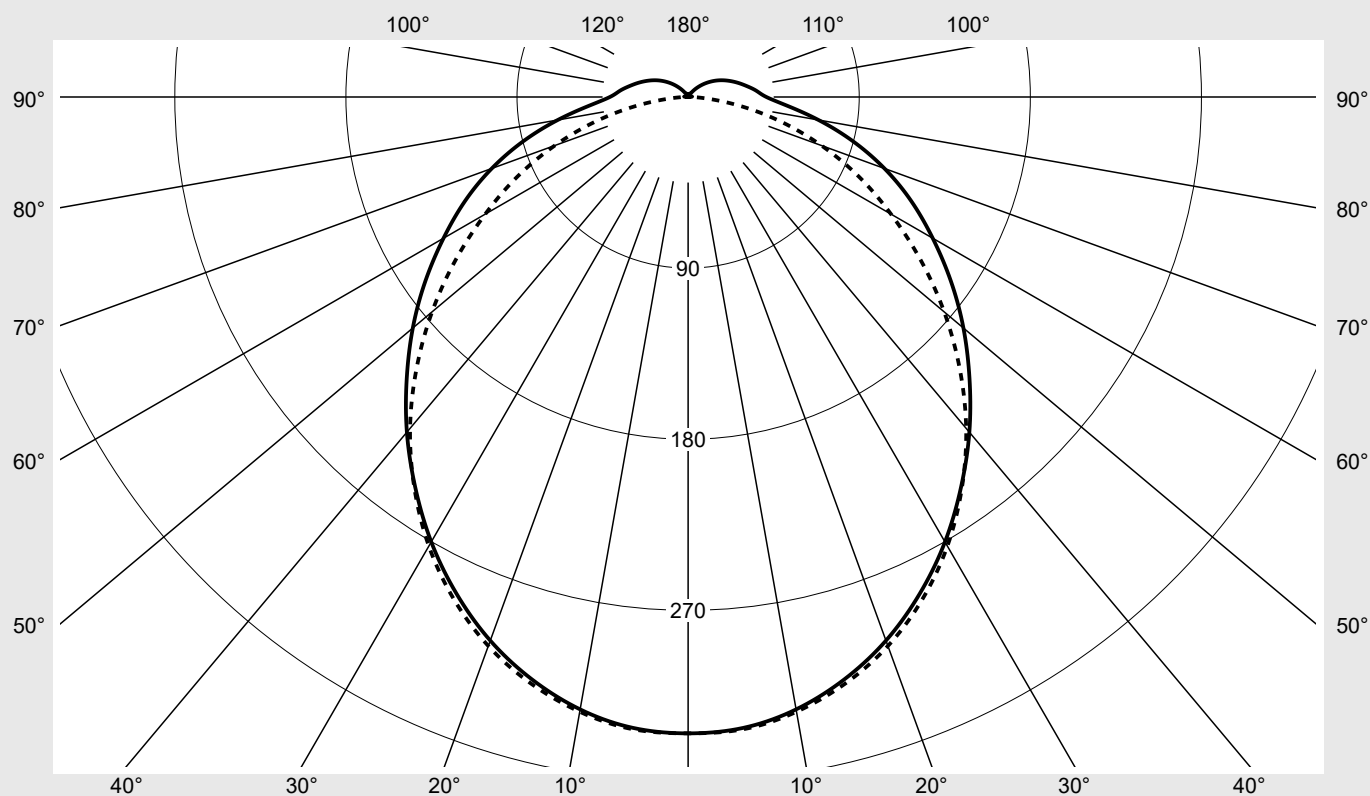
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 335 cd/klm



Classifications

DIN 5040 A 4 1
CIE N1=46 N2=76 N3=93
N4=94 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 93.9%
 ϕ_o 6.1%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
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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°	334.7	334.7	334.7	334.7	334.7	334.7	334.7	2.0	2.0
5°	333.1	333.6	331.1	331.9	332.7	333.2	333.8	15.9	17.9
10°	327.1	327.9	325.6	326.0	327.2	327.9	328.3	31.1	49.0
15°	317.2	318.4	316.4	316.9	317.9	318.6	319.4	45.1	94.1
20°	304.3	305.5	304.0	304.0	305.5	306.0	307.3	57.2	151.3
25°	288.3	289.5	288.3	288.0	289.4	289.8	291.5	67.0	218.3
30°	270.2	271.6	270.4	269.7	270.4	271.0	272.7	74.2	292.5
35°	250.3	251.6	250.4	249.2	249.0	249.3	251.0	78.6	371.1
40°	230.1	230.9	229.3	227.2	226.1	225.6	227.5	80.3	451.4
45°	209.3	209.8	207.4	204.4	202.0	200.5	202.0	79.4	530.9
50°	189.0	188.7	186.0	181.6	177.7	174.7	175.8	76.4	607.2
55°	168.7	168.2	164.8	159.1	153.5	149.2	149.2	71.4	678.6
60°	148.6	147.7	143.7	136.7	130.2	124.3	123.2	64.8	743.4
65°	129.5	127.8	123.0	114.9	108.3	100.8	99.1	57.1	800.4
70°	109.9	108.0	102.2	93.4	85.8	77.4	74.6	48.0	848.4
75°	89.7	87.9	81.7	72.5	63.8	55.3	51.1	38.1	886.5
80°	69.6	67.6	61.9	52.4	43.1	34.0	28.9	27.7	914.2
85°	52.2	49.9	44.6	35.4	25.7	16.3	10.6	18.5	932.7
90°	41.2	39.2	34.0	25.7	16.3	7.4	2.3	13.2	945.9
95°	36.2	34.5	30.1	22.6	13.9	5.6	2.0	11.4	957.3
100°	31.8	30.4	26.2	19.4	11.5	4.0	1.7	9.7	967.1
105°	27.9	26.5	22.5	16.5	9.2	2.5	1.5	8.1	975.2
110°	24.2	22.6	19.2	13.5	6.9	1.5	1.3	6.6	981.8
115°	20.8	19.1	16.0	10.8	4.9	1.4	1.2	5.2	987.0
120°	17.3	15.9	12.9	8.1	3.1	1.3	1.2	4.0	991.0
125°	13.9	12.5	9.8	5.6	1.6	1.3	1.1	2.9	993.8
130°	10.5	9.4	7.0	3.5	1.5	1.3	1.1	2.0	995.8
135°	7.3	6.4	4.4	1.9	1.5	1.2	1.0	1.3	997.1
140°	4.5	3.8	2.3	1.7	1.5	1.2	1.1	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	1.4	0.4	999.3
160°	1.8	1.8	1.7	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	1.5	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	1.5	0.1	1000.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1000.0

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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	20.9	22.6	21.2	22.9	23.2	20.7	22.4	21.1	22.7	23.1
	3H	22.7	24.3	23.1	24.6	24.9	22.2	23.7	22.6	24.1	24.4
	4H	23.5	25.0	23.9	25.4	25.7	22.8	24.2	23.2	24.6	25.0
	6H	24.3	25.6	24.7	26.0	26.4	23.2	24.5	23.6	24.9	25.3
	8H	24.7	25.9	25.1	26.3	26.7	23.3	24.6	23.7	25.0	25.4
	12H	24.9	26.1	25.4	26.5	26.9	23.4	24.6	23.8	25.0	25.4
4H	2H	21.6	23.1	22.0	23.4	23.8	21.5	22.9	21.9	23.3	23.6
	3H	23.6	24.9	24.0	25.3	25.7	23.1	24.4	23.6	24.8	25.2
	4H	24.6	25.7	25.0	26.1	26.6	23.8	25.0	24.3	25.4	25.8
	6H	25.5	26.5	25.9	26.9	27.4	24.3	25.3	24.8	25.8	26.2
	8H	25.9	26.8	26.4	27.3	27.7	24.5	25.4	25.0	25.9	26.3
	12H	26.3	27.1	26.8	27.6	28.1	24.6	25.4	25.1	25.9	26.4
8H	4H	24.9	25.9	25.4	26.3	26.8	24.3	25.2	24.7	25.6	26.1
	6H	26.0	26.8	26.5	27.2	27.7	24.9	25.7	25.4	26.2	26.7
	8H	26.5	27.2	27.0	27.7	28.2	25.1	25.8	25.6	26.3	26.8
	12H	27.0	27.6	27.5	28.1	28.7	25.3	25.9	25.8	26.4	26.9
12H	4H	25.0	25.8	25.4	26.3	26.7	24.4	25.2	24.8	25.6	26.1
	6H	26.1	26.8	26.6	27.2	27.8	25.1	25.7	25.6	26.2	26.7
	8H	26.7	27.3	27.2	27.7	28.3	25.3	25.9	25.9	26.4	27.0

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°		12701.7	12772.1	12839.7	13023.1	13409.7	14011.3	14976.7
50°		12165.7	12190.9	12244.4	12367.5	12692.8	13244.9	14294.0
55°		11649.6	11669.6	11679.7	11725.9	11953.9	12469.3	13543.6
60°		11161.3	11150.9	11122.0	11073.5	11250.0	11661.2	12770.3
65°		10753.7	10678.1	10580.2	10410.8	10586.7	10885.4	12070.7
70°		10291.0	10179.9	9965.0	9692.3	9748.8	9920.2	11128.1
75°		9708.1	9589.2	9286.5	8882.8	8743.0	8814.3	9922.3
80°		9017.1	8845.4	8505.1	7904.7	7495.8	7219.6	8120.2
85°		8484.1	8216.8	7834.2	7013.2	6190.5	5263.3	5486.7

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Luminance values in cd/m²

γ 65°

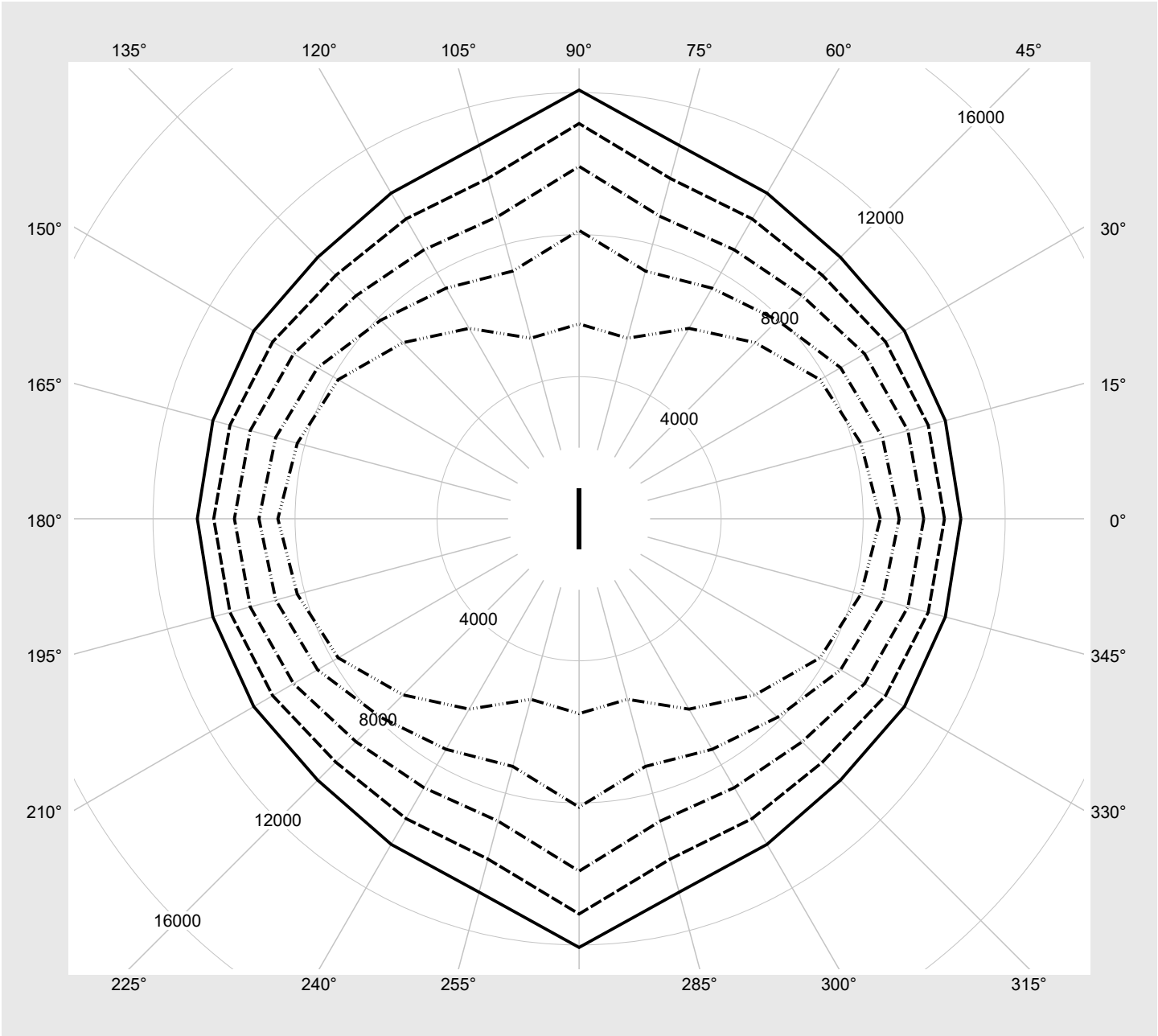
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Family Monsun® 21	Order number: 51FB10ML460K EAN: 4069025131584	LP number 59393_44
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	6020	33.2
2	A	C	F	5730	31.5
3	A	D	E	5500	30.3
4	A	D	F	5060	27.8
5	B	C	E	4600	25.3
6	B	C	F	4450	24.4
7	B	D	E	4060	22.3
8	B	D	F	3990	21.9