

Photometric test report

Family
Monsun® 21

Order number: 51FB10ML660K
EAN: 4069025131607

LP number
59393_46



Version prismatic diffuser, opal, PMMA, wide distribution
Lamps LED 6500 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 5970 lm
 Power consumption = 34.1 W
 Luminous efficacy = 175.1 lm/W

serial
documentation
05.02.2026

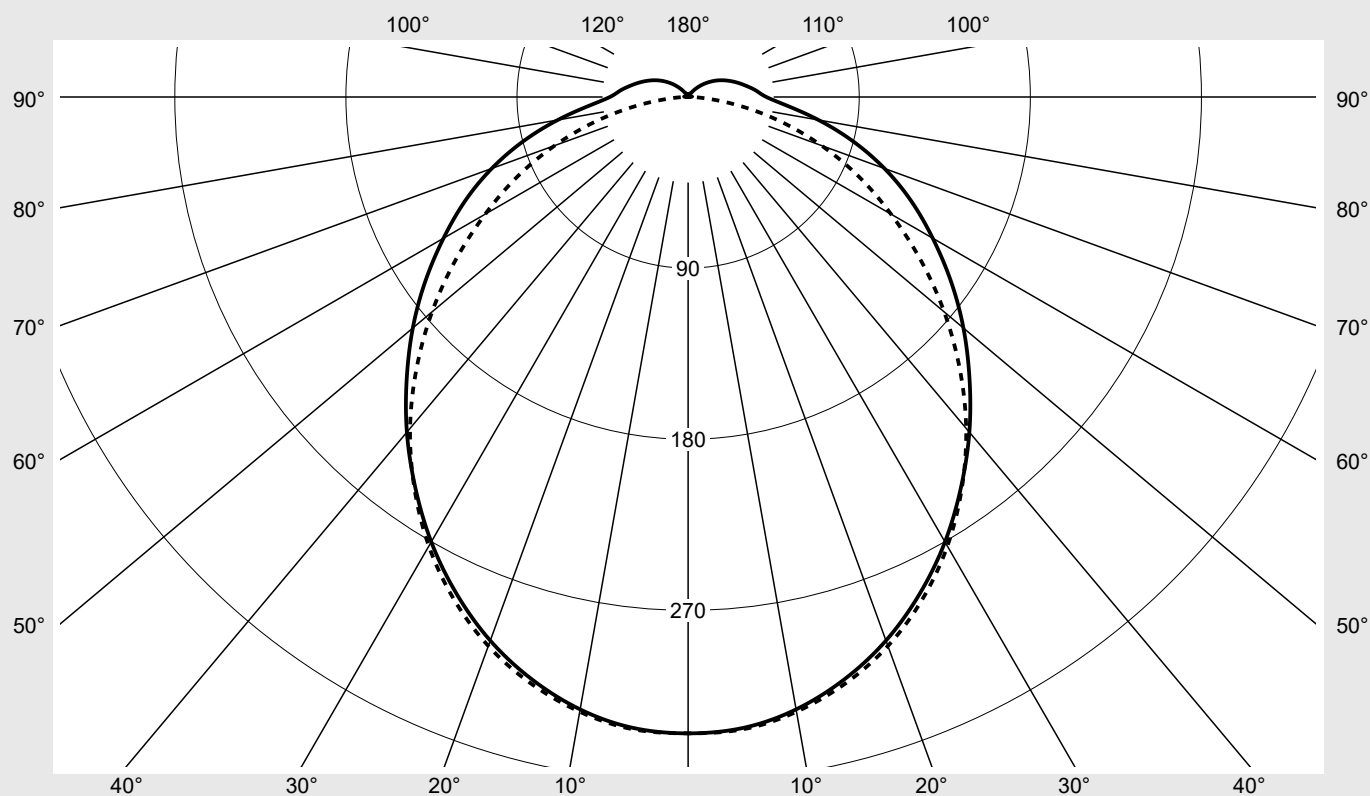
siteco

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	21.0	22.7	23.0
	3H	22.7	24.2	23.1	24.6	24.9	22.2	23.7	22.5	24.0	24.4
	4H	23.5	25.0	23.9	25.3	25.7	22.7	24.2	23.1	24.6	24.9
	6H	24.3	25.6	24.7	26.0	26.4	23.1	24.5	23.5	24.9	25.3
	8H	24.6	25.9	25.0	26.3	26.7	23.3	24.6	23.7	24.9	25.3
	12H	24.9	26.1	25.3	26.5	26.9	23.3	24.6	23.8	24.9	25.4
4H	2H	21.6	23.0	22.0	23.4	23.8	21.4	22.9	21.8	23.2	23.6
	3H	23.6	24.8	24.0	25.2	25.6	23.1	24.4	23.5	24.7	25.2
	4H	24.6	25.7	25.0	26.1	26.5	23.8	24.9	24.2	25.4	25.8
	6H	25.5	26.5	25.9	26.9	27.3	24.3	25.3	24.8	25.7	26.2
	8H	25.9	26.8	26.3	27.2	27.7	24.5	25.4	24.9	25.8	26.3
	12H	26.3	27.1	26.8	27.5	28.0	24.6	25.4	25.0	25.9	26.3
8H	4H	24.9	25.8	25.4	26.3	26.7	24.2	25.2	24.7	25.6	26.1
	6H	26.0	26.7	26.4	27.2	27.7	24.9	25.7	25.4	26.1	26.6
	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	28.6	25.3	25.9	25.8	26.4	26.9
12H	4H	24.9	25.8	25.4	26.2	26.7	24.3	25.1	24.8	25.6	26.1
	6H	26.1	26.7	26.5	27.2	27.7	25.0	25.7	25.5	26.2	26.7
	8H	26.6	27.2	27.1	27.7	28.2	25.3	25.9	25.8	26.4	26.9

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	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
γ	Luminance in cd/m²							
45°	12596.2	12666.0	12733.0	12915.0	13298.3	13895.0	14852.3	
50°	12064.7	12089.7	12142.7	12264.8	12587.3	13134.9	14175.3	
55°	11552.8	11572.7	11582.7	11628.5	11854.6	12365.7	13431.1	
60°	11068.6	11058.3	11029.6	10981.5	11156.6	11564.3	12664.2	
65°	10664.4	10589.4	10492.3	10324.3	10498.7	10795.0	11970.4	
70°	10205.5	10095.4	9882.3	9611.8	9667.9	9837.8	11035.7	
75°	9627.5	9509.5	9209.4	8809.0	8670.4	8741.1	9839.9	
80°	8942.2	8771.9	8434.4	7839.0	7433.6	7159.7	8052.8	
85°	8413.6	8148.5	7769.1	6954.9	6139.1	5219.6	5441.1	

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Luminance values in cd/m²

γ 65°

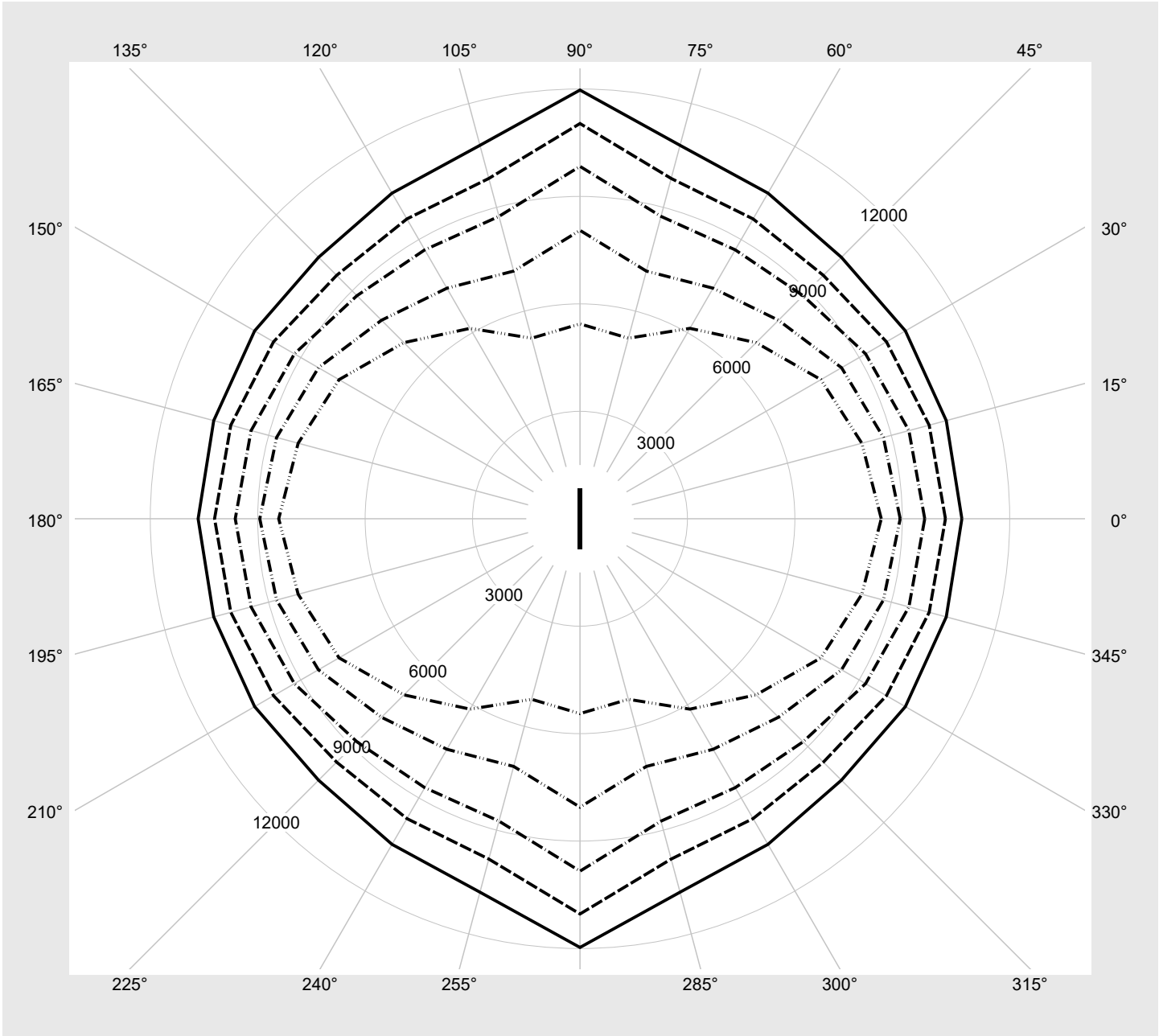
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Family Monsun® 21	Order number: 51FB10ML660K EAN: 4069025131607	LP number 59393_46
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	5970	34.1
2	A	C	F	5750	32.8
3	A	D	E	5470	31.1
4	A	D	F	5030	28.6
5	B	C	E	4670	26.5
6	B	C	F	4450	25.3
7	B	D	E	4000	22.7
8	B	D	F	3850	21.9