

Photometric test report

Family
Monsun® 21

Order number: **51FB10DP360C**
EAN: **4069025177940**

LP number
58939_229



Version prismatic diffuser, opal, PMMA, wide distribution
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 6060 lm
Power consumption = 34.9 W
Luminous efficacy = 173.6 lm/W

serial
documentation
06.02.2026

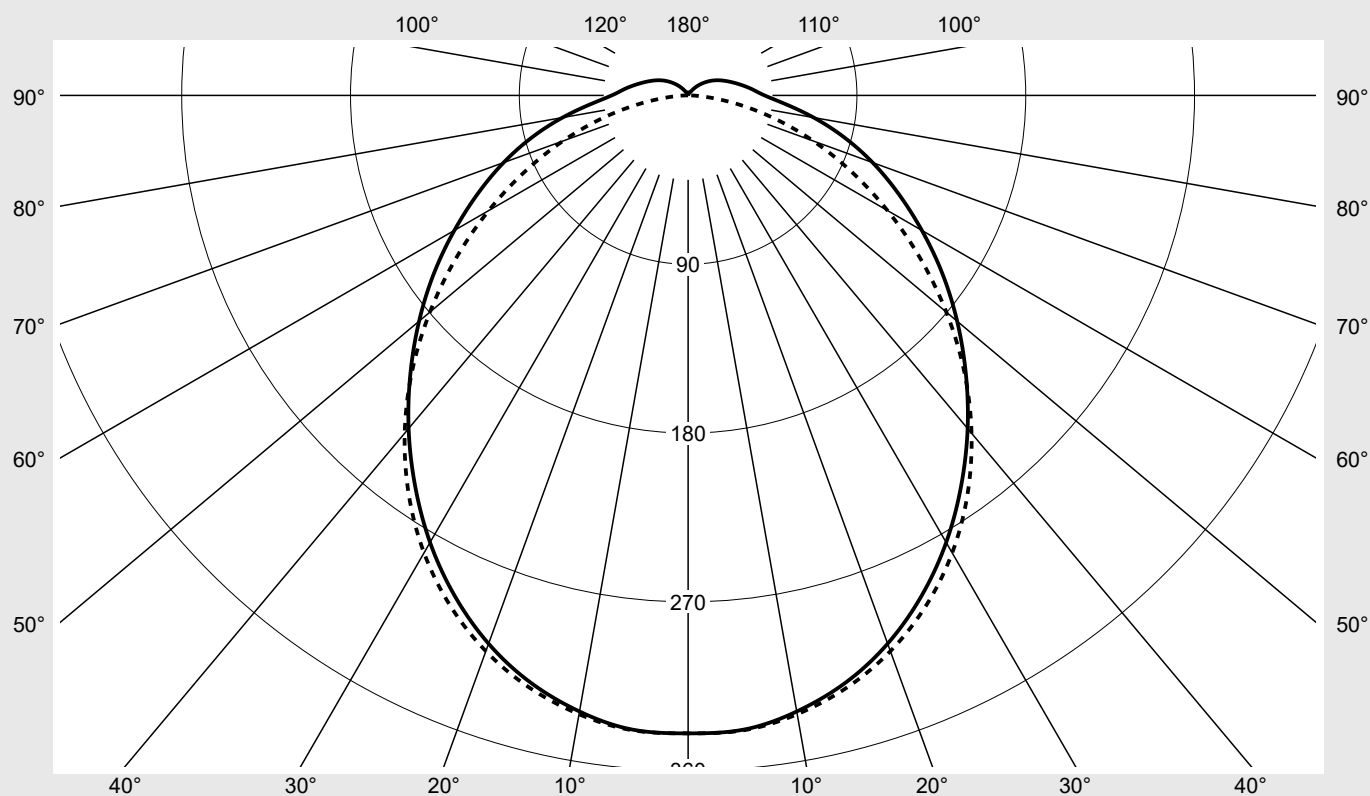
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 340 cd/klm



Classifications

DIN 5040 A 4 1
CIE N1=47 N2=77 N3=93
N4=94 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 94.2%
 ϕ_o 5.8%

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°	340.1	340.1	340.1	340.1	340.1	340.1	340.1	2.0	2.0
5°	339.4	338.3	336.5	337.9	339.5	339.4	339.8	16.2	18.2
10°	333.5	333.0	331.2	332.8	334.6	334.7	335.0	31.7	49.9
15°	324.2	324.2	322.5	324.2	326.1	326.4	326.9	46.1	96.0
20°	311.0	311.6	310.1	311.9	314.1	314.7	315.3	58.6	154.6
25°	294.4	295.4	294.1	296.0	298.4	299.4	300.2	68.7	223.4
30°	275.2	276.6	275.1	276.8	279.4	280.7	281.6	76.1	299.5
35°	253.9	255.2	253.8	254.9	257.1	258.4	259.7	80.5	380.0
40°	231.8	232.9	231.3	231.1	232.5	233.8	235.1	81.9	461.9
45°	209.4	209.9	207.8	205.9	206.1	206.6	208.2	80.4	542.4
50°	187.2	187.1	184.8	181.3	179.3	178.3	179.7	76.6	619.0
55°	165.5	164.8	162.1	157.0	153.1	150.2	150.9	70.7	689.7
60°	143.9	142.9	139.5	133.7	127.9	123.2	122.7	63.3	753.0
65°	123.6	122.5	117.8	111.0	104.2	97.9	96.0	54.9	808.0
70°	104.7	103.3	97.1	89.4	81.7	74.3	71.0	45.8	853.8
75°	86.1	84.4	77.8	69.2	60.2	52.2	47.8	36.3	890.0
80°	68.0	66.1	60.2	50.5	40.7	32.1	26.9	26.7	916.7
85°	51.8	50.0	44.6	35.3	24.7	15.7	10.1	18.3	935.0
90°	40.8	39.2	34.4	26.0	15.9	6.9	1.8	13.1	948.2
95°	34.8	33.5	29.7	22.7	13.6	5.1	1.6	11.2	959.3
100°	29.9	28.8	25.4	19.2	11.3	3.7	1.4	9.4	968.7
105°	25.7	24.7	21.4	16.1	8.8	2.4	1.2	7.7	976.4
110°	22.1	20.9	18.0	13.0	6.6	1.4	1.1	6.1	982.5
115°	19.0	17.8	15.0	10.4	4.7	1.2	1.1	4.9	987.4
120°	16.0	14.8	12.2	7.9	3.1	1.2	1.0	3.8	991.2
125°	13.0	11.9	9.4	5.6	1.7	1.1	0.9	2.7	993.9
130°	10.1	9.1	6.9	3.7	1.4	1.1	1.0	1.9	995.9
135°	7.3	6.5	4.6	2.1	1.4	1.1	1.1	1.3	997.1
140°	4.8	4.1	2.7	1.7	1.4	1.1	1.1	0.8	998.0
145°	2.6	2.3	1.9	1.7	1.4	1.2	1.2	0.5	998.5
150°	2.0	2.0	1.9	1.6	1.3	1.3	1.3	0.4	998.9
155°	1.9	1.9	1.7	1.6	1.4	1.4	1.4	0.4	999.3
160°	1.7	1.7	1.6	1.4	1.4	1.4	1.4	0.3	999.6
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.2	999.8
170°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	0.1	999.9
175°	1.4	1.4	1.4	1.4	1.4	1.4	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

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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	20.1	21.8	20.4	22.1	22.4	20.1	21.8	20.4	22.1	22.4	
	3H	21.8	23.4	22.2	23.7	24.0	21.4	23.0	21.8	23.3	23.7	
	4H	22.6	24.1	23.0	24.4	24.8	22.0	23.4	22.4	23.8	24.1	
	6H	23.4	24.7	23.8	25.1	25.5	22.3	23.7	22.7	24.1	24.4	
	8H	23.8	25.0	24.2	25.4	25.8	22.5	23.7	22.9	24.1	24.5	
	12H	24.1	25.3	24.5	25.7	26.1	22.5	23.7	22.9	24.1	24.5	
4H	2H	20.8	22.2	21.2	22.6	23.0	20.8	22.2	21.2	22.6	22.9	
	3H	22.7	24.0	23.1	24.3	24.8	22.3	23.6	22.8	24.0	24.4	
	4H	23.7	24.8	24.1	25.2	25.6	23.0	24.1	23.4	24.5	24.9	
	6H	24.6	25.6	25.0	26.0	26.5	23.5	24.5	23.9	24.9	25.3	
	8H	25.0	25.9	25.5	26.4	26.8	23.6	24.5	24.1	25.0	25.4	
	12H	25.4	26.2	25.9	26.7	27.2	23.7	24.5	24.2	25.0	25.5	
8H	4H	24.0	24.9	24.5	25.4	25.8	23.4	24.3	23.9	24.7	25.2	
	6H	25.1	25.9	25.6	26.3	26.8	24.0	24.8	24.5	25.2	25.7	
	8H	25.6	26.3	26.1	26.8	27.3	24.2	24.9	24.7	25.4	25.9	
	12H	26.2	26.8	26.7	27.2	27.8	24.4	25.0	24.9	25.5	26.0	
12H	4H	24.0	24.9	24.5	25.3	25.8	23.5	24.3	24.0	24.8	25.2	
	6H	25.2	25.8	25.7	26.3	26.8	24.2	24.8	24.7	25.3	25.8	
	8H	25.8	26.4	26.3	26.8	27.4	24.4	25.0	24.9	25.5	26.0	

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1590 B = 87		H(C0) = 21 H(C90) = 21		H(C180) = 21 H(C270) = 21	
C-planes	γ	0°	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°	10449.2	10514.0	10590.9	10812.3	11279.0	11903.7	12729.5			
	50°	9910.4	9947.1	10021.4	10174.3	10559.1	11152.3	12057.1			
	55°	9397.4	9408.4	9466.0	9540.6	9838.0	10356.4	11309.9			
	60°	8890.5	8883.0	8898.4	8926.7	9122.7	9550.8	10512.6			
	65°	8444.8	8424.5	8353.2	8300.2	8416.7	8738.9	9677.6			
	70°	8062.1	8016.6	7808.5	7661.0	7674.7	7883.8	8780.5			
	75°	7663.1	7590.8	7299.5	7003.5	6829.7	6900.2	7714.1			
	80°	7240.2	7120.0	6828.2	6301.9	5863.0	5667.9	6308.3			
	85°	6931.7	6784.9	6467.7	5807.7	4936.7	4230.0	4405.6			

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Luminance values in cd/m²

γ 65°

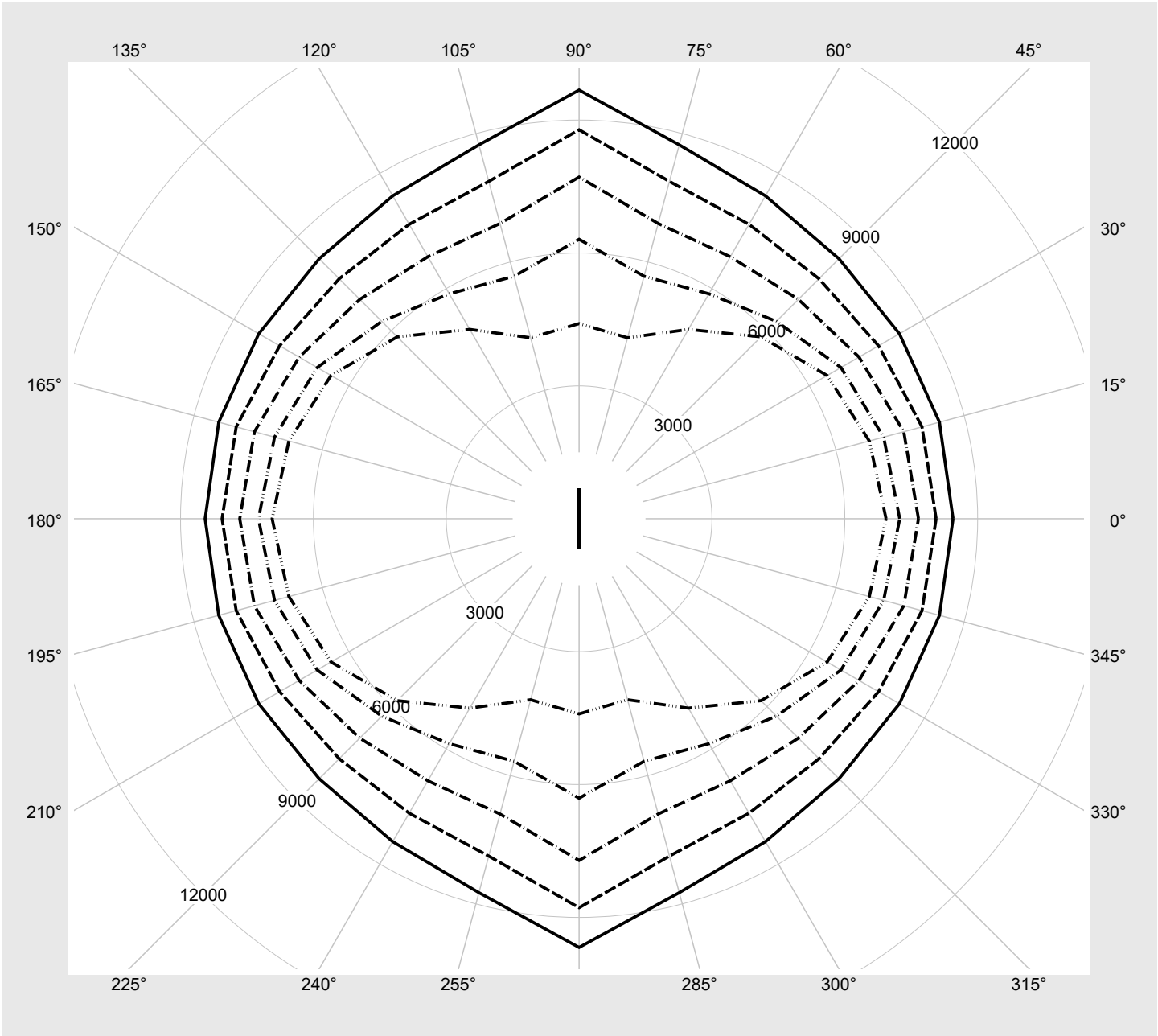
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table		environmental temperature: 25°C

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Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	6060	34.9
95	241	252	5764	33.2
90	227	250	5445	31.4
85	214	248	5146	29.7
80	201	245	4845	28.1
75	188	243	4541	26.5
70	175	240	4237	25.0
65	162	238	3930	23.4
60	150	235	3646	21.8
55	137	231	3336	20.1
50	124	228	3025	18.4
45	112	224	2736	16.7
40	99	219	2422	14.9
35	87	215	2131	13.2
30	74	209	1817	11.4
25	62	202	1523	9.7
20	49	194	1202	7.9
15	37	183	906	6.4
10	25	169	609	4.9
5	13	145	310	3.5
3	7	122	161	3.0