

Photometric test report

Family
Monsun® 11

Order number: 51FF40MP480L
EAN: 4069025611895

LP number
59020_13



Version prismatic diffuser, opal, PMMA, impact resistant, wide distribution

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG Multilumen

Rated values Net luminous flux = 8180 lm
Power consumption = 43.2 W
Luminous efficacy = 189.4 lm/W

serial
documentation
13.11.2025

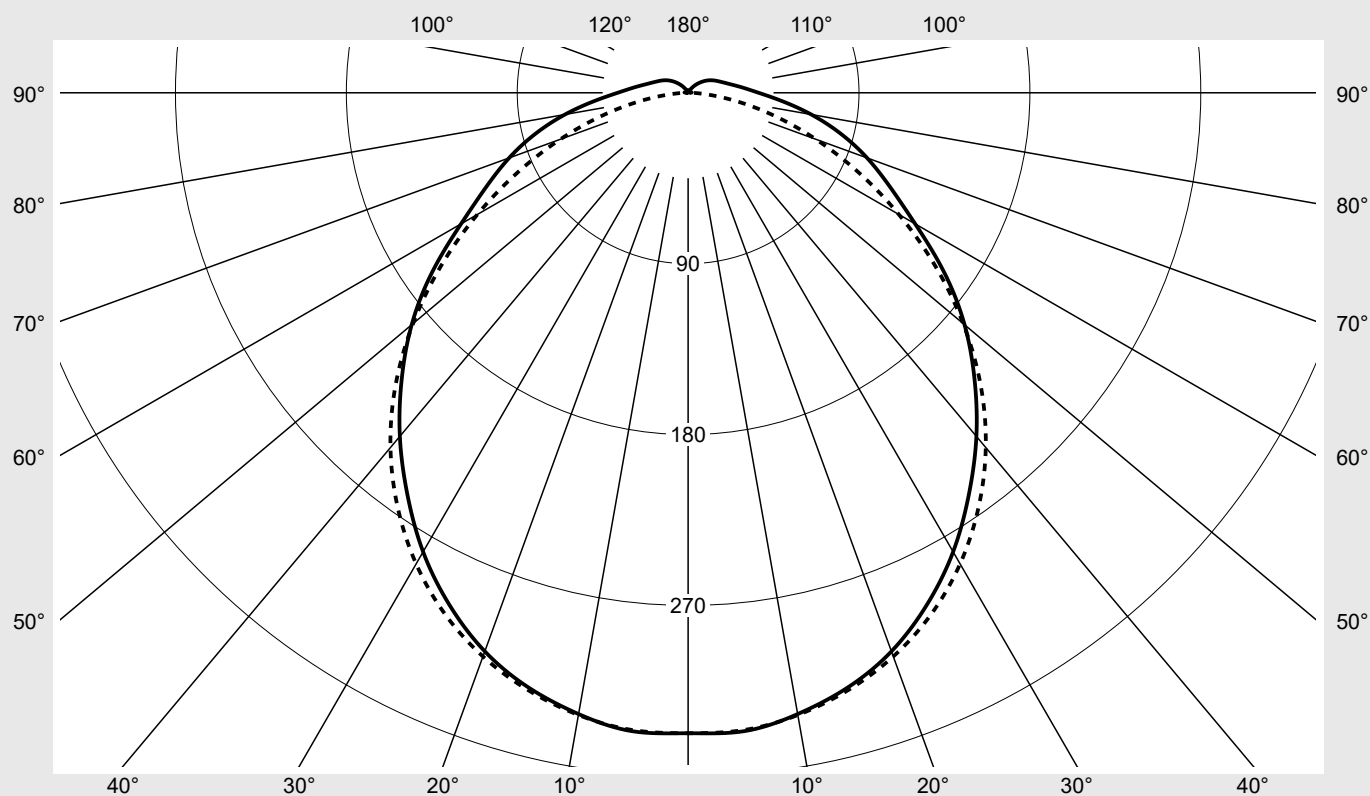
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 338 cd/klm



Classifications

DIN 5040 A 4 1
CIE N1=47 N2=77 N3=93
N4=95 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 94.8%
 ϕ_o 5.2%

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°	337.3	337.3	337.3	337.3	337.3	337.3	337.3	2.0	2.0
5°	337.5	336.4	334.5	335.8	337.2	336.9	336.9	16.1	18.1
10°	332.2	331.9	329.8	331.2	333.0	332.9	332.8	31.6	49.7
15°	324.3	324.6	322.6	323.9	325.4	325.8	325.7	46.0	95.7
20°	313.1	314.1	312.1	313.6	315.1	315.7	315.9	58.9	154.6
25°	297.5	298.9	297.5	299.8	301.9	302.4	303.0	69.5	224.1
30°	279.2	281.0	279.9	281.8	284.8	285.5	286.5	77.5	301.6
35°	257.9	260.0	259.0	261.1	264.4	265.2	266.6	82.4	384.0
40°	236.2	237.9	236.5	237.1	240.1	242.3	243.9	84.2	468.2
45°	213.3	214.4	212.9	211.4	213.4	215.8	217.9	82.9	551.1
50°	190.1	190.6	188.8	186.3	185.4	186.8	189.1	78.9	630.0
55°	164.5	165.1	164.4	160.2	157.7	156.9	158.8	72.3	702.3
60°	138.1	138.1	137.0	134.7	130.2	127.4	128.2	63.3	765.6
65°	117.3	116.4	112.4	108.2	104.2	99.4	98.8	53.7	819.3
70°	100.3	99.0	91.7	84.5	79.3	73.6	71.6	44.1	863.5
75°	83.2	81.7	74.7	65.1	57.1	50.8	47.3	34.8	898.3
80°	65.8	64.5	59.3	48.9	38.3	30.8	26.4	25.9	924.2
85°	49.5	48.3	44.5	35.6	23.7	15.0	10.1	17.9	942.1
90°	37.1	36.3	33.4	26.4	15.8	6.7	2.1	12.6	954.7
95°	29.4	28.9	27.0	22.0	13.4	5.0	1.8	10.2	964.9
100°	23.9	23.5	21.8	17.7	11.0	3.7	1.6	8.1	973.0
105°	20.2	19.6	17.9	14.3	8.4	2.4	1.4	6.5	979.5
110°	17.5	16.7	15.0	11.5	6.2	1.4	1.2	5.2	984.7
115°	15.3	14.5	12.7	9.2	4.4	1.2	1.1	4.2	988.8
120°	13.2	12.3	10.5	7.1	2.9	1.2	1.0	3.2	992.1
125°	11.0	10.1	8.2	5.1	1.7	1.1	1.0	2.4	994.5
130°	8.6	7.8	6.1	3.4	1.3	1.0	1.0	1.7	996.2
135°	6.4	5.7	4.2	2.0	1.3	1.0	1.0	1.2	997.3
140°	4.2	3.7	2.5	1.6	1.3	1.1	1.1	0.7	998.1
145°	2.4	2.1	1.8	1.6	1.3	1.1	1.1	0.5	998.6
150°	1.9	1.8	1.7	1.5	1.2	1.2	1.2	0.4	999.0
155°	1.7	1.7	1.6	1.5	1.3	1.3	1.3	0.3	999.4
160°	1.6	1.6	1.5	1.3	1.3	1.3	1.3	0.3	999.6
165°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.2	999.8
170°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.3	1.3	1.4	1.4	0.1	1000.0
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	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	21.0	22.7	21.4	23.1	23.4	21.3	23.0	21.7	23.3	23.7
	3H	22.7	24.2	23.1	24.6	24.9	22.6	24.2	23.0	24.5	24.9
	4H	23.5	24.9	23.9	25.3	25.6	23.1	24.6	23.5	24.9	25.3
	6H	24.2	25.6	24.6	25.9	26.3	23.5	24.8	23.9	25.2	25.6
	8H	24.6	25.8	25.0	26.2	26.6	23.6	24.8	24.0	25.2	25.6
	12H	24.9	26.1	25.3	26.5	26.9	23.6	24.8	24.1	25.2	25.6
4H	2H	21.7	23.2	22.1	23.5	23.9	22.0	23.4	22.3	23.7	24.1
	3H	23.6	24.8	24.0	25.2	25.6	23.4	24.7	23.9	25.1	25.5
	4H	24.5	25.6	24.9	26.0	26.5	24.0	25.2	24.5	25.6	26.0
	6H	25.4	26.4	25.9	26.8	27.3	24.5	25.5	24.9	25.9	26.4
	8H	25.8	26.7	26.3	27.2	27.6	24.6	25.5	25.1	26.0	26.4
	12H	26.2	27.0	26.7	27.5	28.0	24.7	25.5	25.2	26.0	26.5
8H	4H	24.8	25.7	25.3	26.2	26.6	24.4	25.3	24.9	25.7	26.2
	6H	25.9	26.7	26.4	27.1	27.6	25.0	25.7	25.5	26.2	26.7
	8H	26.4	27.1	26.9	27.6	28.1	25.2	25.9	25.7	26.3	26.9
	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	25.7	25.3	26.1	26.6	24.5	25.3	25.0	25.8	26.2
	6H	26.0	26.7	26.5	27.1	27.7	25.1	25.8	25.6	26.3	26.8
	8H	26.6	27.2	27.1	27.7	28.2	25.4	26.0	25.9	26.5	27.0

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° 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°		14371.4	14497.4	14644.8	14981.6	15766.5	16786.2	17987.3
50°		13578.9	13675.7	13819.9	14114.1	14736.4	15771.8	17127.8
55°		12611.6	12721.7	12954.9	13136.7	13673.7	14604.0	16072.1
60°		11516.7	11589.4	11798.7	12141.4	12529.3	13325.4	14818.9
65°		10819.0	10804.5	10755.2	10926.4	11363.7	11973.4	13449.6
70°		10426.9	10378.1	9955.7	9772.7	10058.9	10543.0	11947.0
75°		9998.6	9919.4	9455.0	8895.3	8738.8	9053.5	10301.0
80°		9465.2	9381.7	9085.1	8237.2	7455.6	7343.0	8351.7
85°		8928.7	8856.1	8716.6	7895.6	6411.5	5465.0	5926.2

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Luminance values in cd/m²

γ 65°

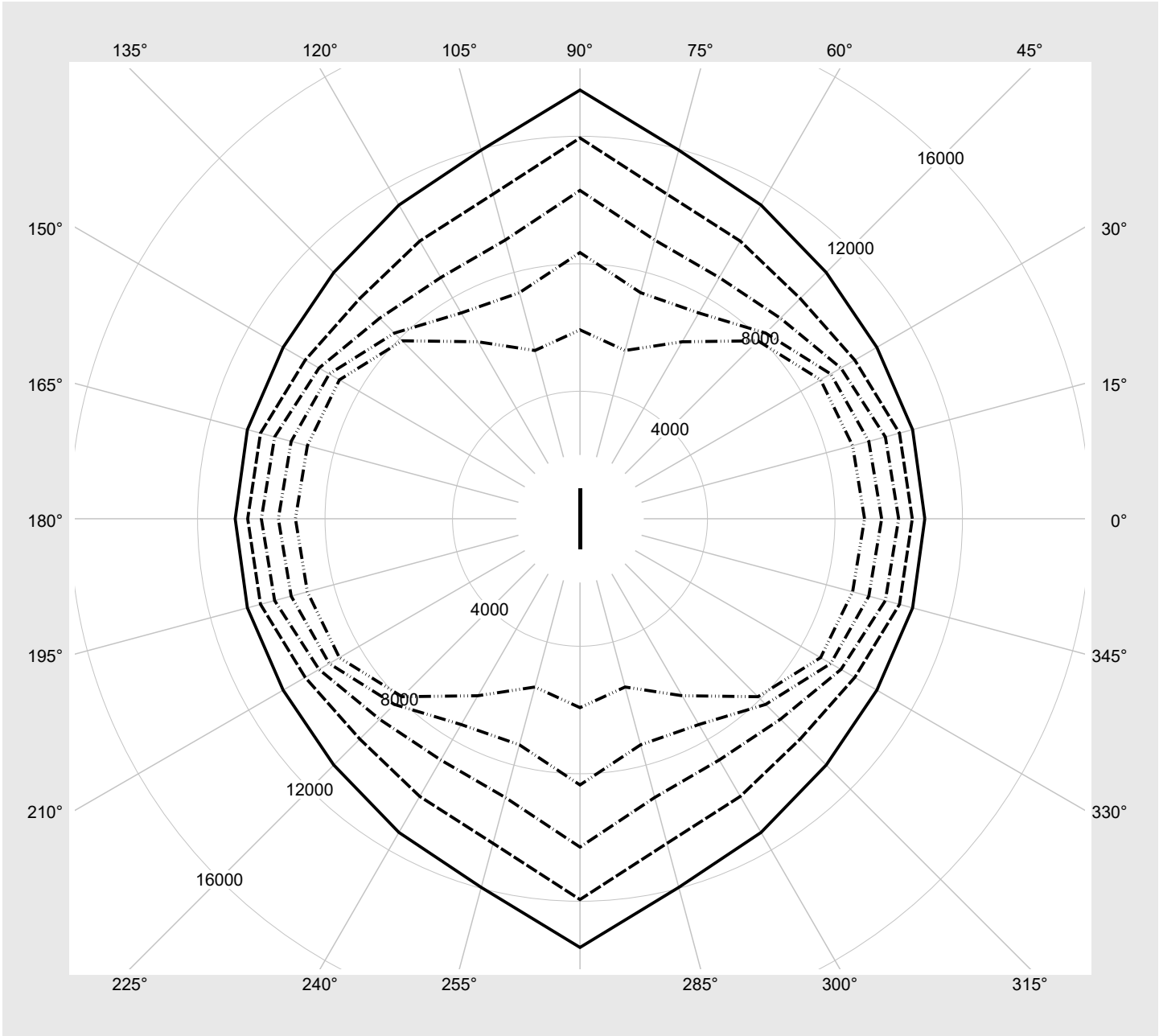
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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Family Monsun® 11	Order number: 51FF40MP480L EAN: 4069025611895	LP number 59020_13
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	8180	43.2
2	A	C	F	7600	39.9
3	A	D	E	6930	36.1
4	A	D	F	6330	32.8
5	B	C	E	5730	29.5
6	B	C	F	5120	26.2
7	B	D	E	4700	24.0
8	B	D	F	4280	21.9