

Photometric test report

Family
Monsun® 11

Order number: **51FP10ML460L005**
EAN: **4069025708113**

LP number
59393_70



Version prismatic diffuser, opal, PMMA, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 6820 lm
Power consumption = 36.8 W
Luminous efficacy = 185.3 lm/W

serial
documentation
20.02.2026

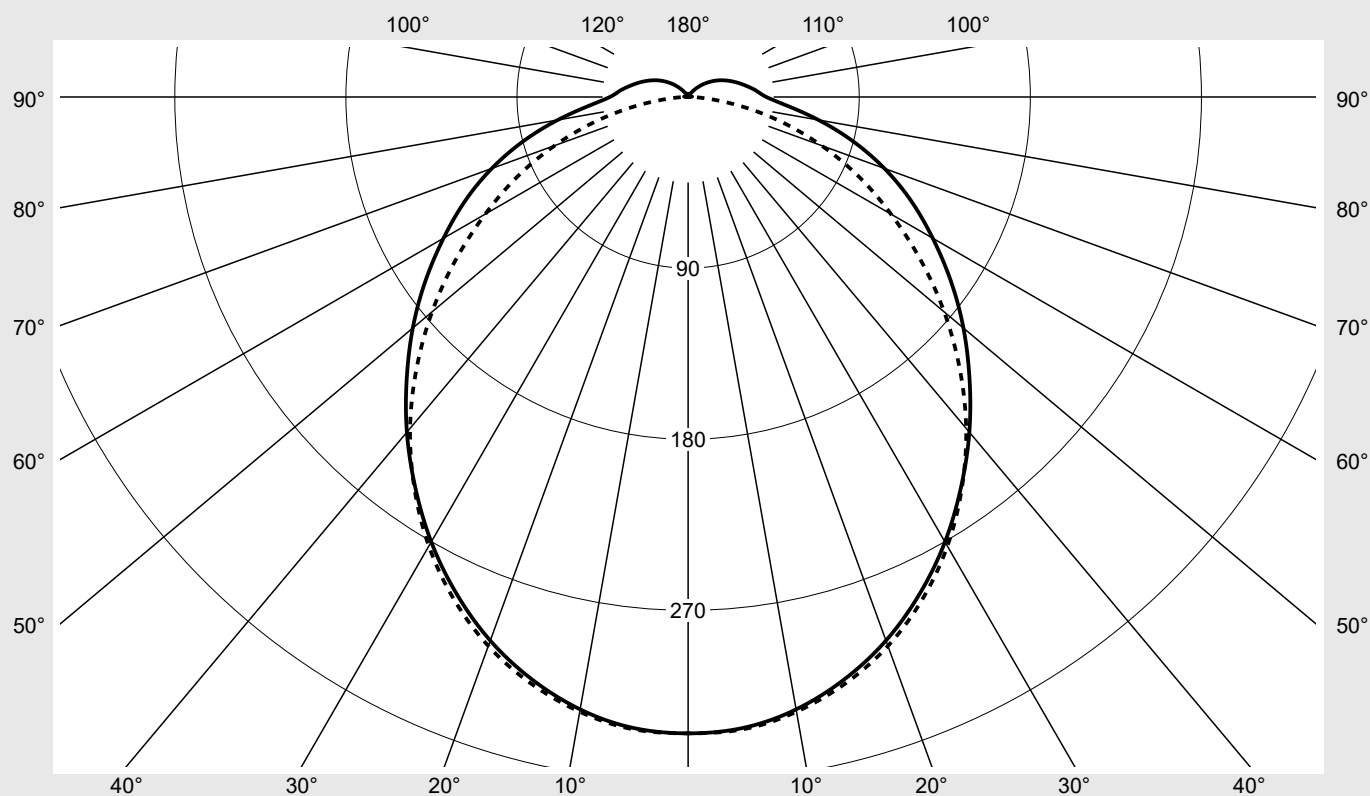
siteco

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

Photometric test report

Family Monsun® 11	Order number: 51FP10ML460L005 EAN: 4069025708113	LP number 59393_70
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°	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

Photometric test report

Family Monsun® 11			Order number: 51FP10ML460L005 EAN: 4069025708113							LP number 59393_70	
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	21.3	23.0	21.7	23.3	23.7	21.1	22.9	21.5	23.2	23.5
	3H	23.1	24.7	23.5	25.0	25.4	22.6	24.2	23.0	24.5	24.9
	4H	24.0	25.4	24.4	25.8	26.2	23.2	24.7	23.6	25.0	25.4
	6H	24.7	26.1	25.1	26.4	26.8	23.6	25.0	24.0	25.3	25.7
	8H	25.1	26.3	25.5	26.7	27.1	23.7	25.0	24.2	25.4	25.8
	12H	25.4	26.6	25.8	27.0	27.4	23.8	25.0	24.2	25.4	25.8
4H	2H	22.0	23.5	22.4	23.9	24.2	21.9	23.4	22.3	23.7	24.1
	3H	24.0	25.3	24.5	25.7	26.1	23.6	24.8	24.0	25.2	25.6
	4H	25.0	26.2	25.5	26.6	27.0	24.3	25.4	24.7	25.8	26.2
	6H	25.9	26.9	26.4	27.4	27.8	24.8	25.8	25.2	26.2	26.7
	8H	26.3	27.3	26.8	27.7	28.2	24.9	25.9	25.4	26.3	26.8
	12H	26.7	27.6	27.2	28.0	28.5	25.0	25.9	25.5	26.3	26.8
8H	4H	25.4	26.3	25.8	26.7	27.2	24.7	25.6	25.2	26.1	26.5
	6H	26.4	27.2	26.9	27.7	28.2	25.3	26.1	25.8	26.6	27.1
	8H	26.9	27.6	27.4	28.1	28.6	25.6	26.3	26.1	26.7	27.3
	12H	27.5	28.1	28.0	28.6	29.1	25.7	26.3	26.2	26.8	27.4
12H	4H	25.4	26.2	25.9	26.7	27.2	24.8	25.6	25.3	26.1	26.6
	6H	26.5	27.2	27.0	27.7	28.2	25.5	26.2	26.0	26.7	27.2
	8H	27.1	27.7	27.6	28.2	28.7	25.8	26.4	26.3	26.9	27.4

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°		14389.6	14469.4	14545.9	14753.8	15191.7	15873.3	16967.0
50°		13782.4	13811.0	13871.5	14011.1	14379.5	15005.0	16193.5
55°		13197.7	13220.4	13231.8	13284.1	13542.5	14126.3	15343.4
60°		12644.6	12632.8	12600.0	12545.1	12745.1	13210.9	14467.3
65°		12182.7	12097.1	11986.2	11794.2	11993.5	12332.0	13674.7
70°		11658.6	11532.7	11289.3	10980.3	11044.3	11238.4	12606.9
75°		10998.2	10863.5	10520.6	10063.2	9904.9	9985.6	11240.9
80°		10215.4	10020.8	9635.3	8955.1	8492.0	8179.0	9199.3
85°		9611.6	9308.7	8875.3	7945.2	7013.2	5962.7	6215.8

Photometric test report

Family
Monsun® 11

Order number: 51FP10ML460L005
EAN: 4069025708113

LP number
59393_70

Luminance values in cd/m²

γ 65°

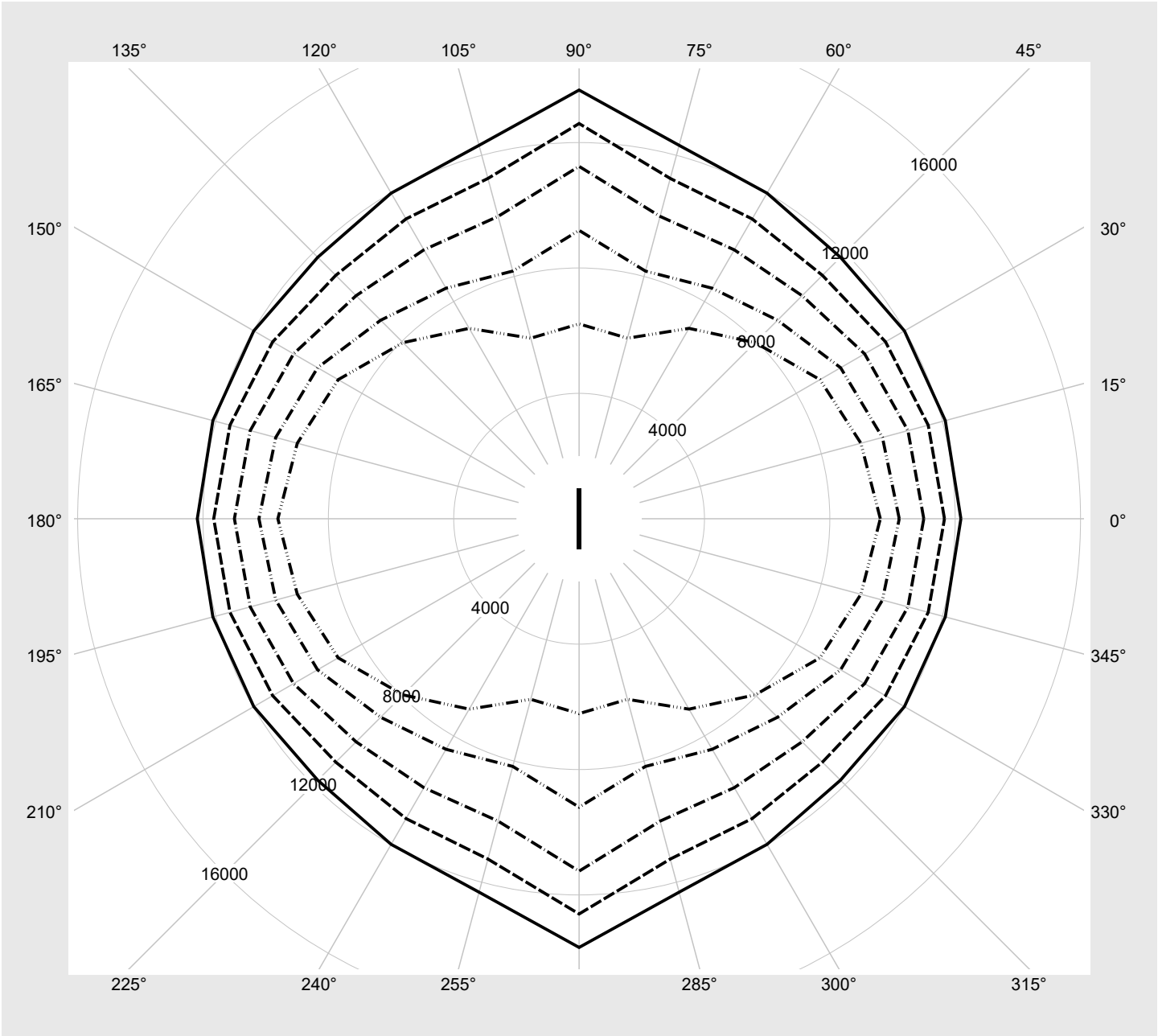
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Monsun® 11	Order number: 51FP10ML460L005 EAN: 4069025708113	LP number 59393_70
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	6820	36.8
2	A	C	F	6450	34.6
3	A	D	E	6080	32.5
4	A	D	F	5700	30.3
5	B	C	E	5320	28.2
6	B	C	F	4940	26.1
7	B	D	E	4550	24.0
8	B	D	F	4160	21.9