

Photometric test report

Family
Monsun® 11

Order number: 51FE117P480S
EAN: 4069025242433

LP number
59019_4

serial
documentation
17.09.2025

siteco



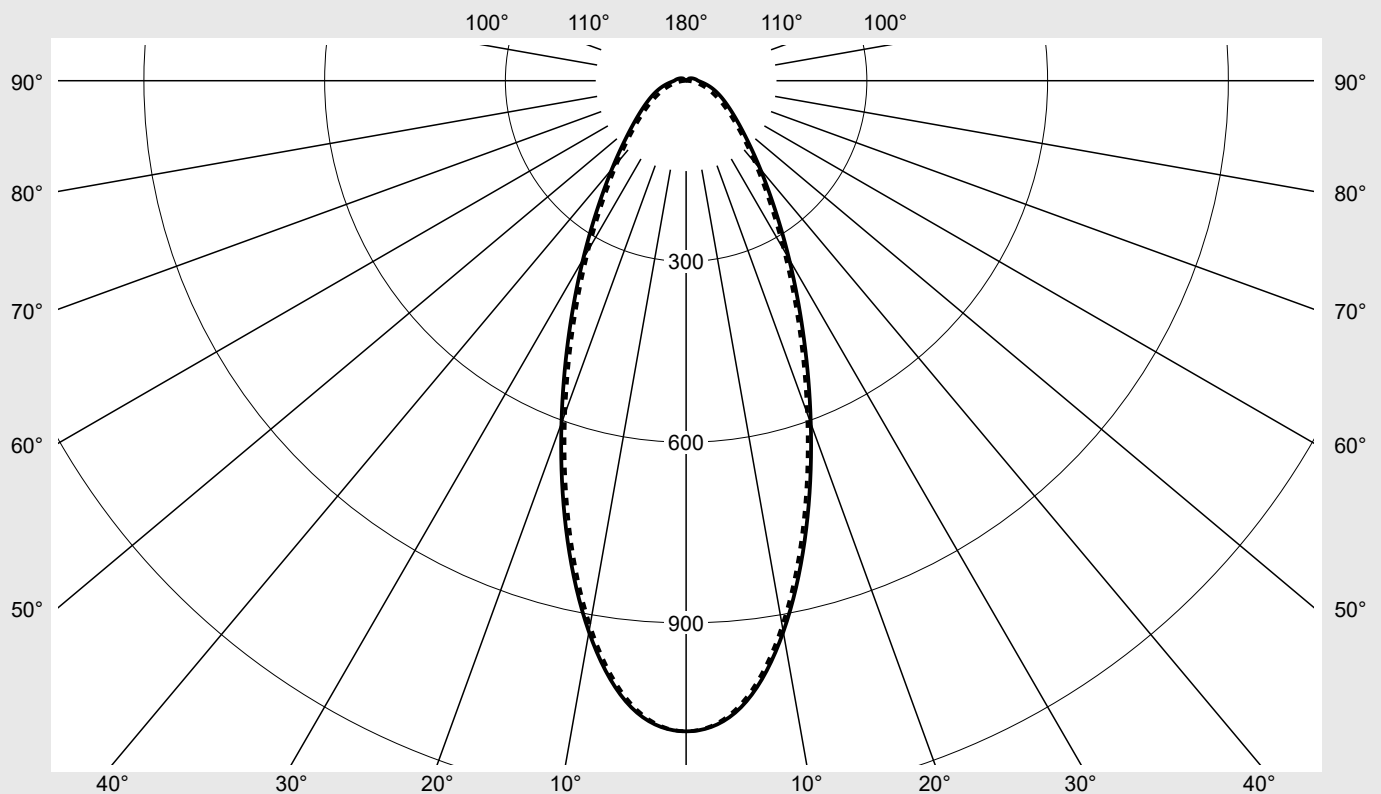
Version prismatic diffuser, opal, PMMA, narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG
Rated values Net luminous flux = 7860 lm
Power consumption = 39.9 W
Luminous efficacy = 197 lm/W

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 1080 cd/klm



Classifications

DIN 5040 A 6 1
CIE N1=71 N2=88 N3=97
N4=97 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 96.9%
 ϕ_o 3.1%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Monsun® 11	Order number: 51FE117P480S EAN: 4069025242433	LP number 59019_4
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°	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	1079.9	6.5	6.5
5°	1044.1	1038.4	1031.7	1035.3	1039.5	1039.0	1039.1	49.6	56.0
10°	928.9	922.4	915.7	917.5	920.1	918.5	918.3	87.5	143.6
15°	770.1	763.9	757.2	757.4	758.0	755.5	755.0	107.7	251.3
20°	605.0	599.5	593.3	591.7	590.9	587.9	587.3	111.2	362.5
25°	458.5	454.5	449.0	446.4	444.8	441.1	440.5	103.7	466.1
30°	342.0	338.7	334.1	331.0	328.6	325.2	324.5	90.9	557.1
35°	254.0	251.7	248.1	244.8	241.8	239.0	238.5	77.1	634.2
40°	191.6	189.9	187.1	183.8	180.7	178.3	178.0	64.9	699.1
45°	147.4	145.9	143.8	140.3	137.3	134.9	134.9	54.5	753.5
50°	116.4	115.3	113.5	110.2	106.8	104.2	104.2	46.2	799.8
55°	94.3	93.4	91.7	88.3	84.5	81.6	81.3	39.5	839.2
60°	77.6	76.8	75.1	71.6	67.5	64.0	63.3	33.7	872.9
65°	64.3	63.6	61.7	58.1	53.7	49.8	48.5	28.4	901.3
70°	52.9	52.3	50.1	46.3	41.6	37.4	35.6	23.4	924.7
75°	42.6	42.0	39.6	35.6	30.6	26.2	23.9	18.3	943.0
80°	33.0	32.3	30.1	25.7	20.6	16.1	13.5	13.3	956.3
85°	24.9	24.2	22.0	17.7	12.5	7.9	5.1	9.0	965.3
90°	19.7	19.1	17.0	12.9	7.9	3.4	0.9	6.5	971.8
95°	17.4	16.8	15.0	11.4	6.8	2.6	0.7	5.6	977.4
100°	15.2	14.7	13.0	9.7	5.7	1.8	0.7	4.8	982.1
105°	13.2	12.6	11.0	8.1	4.4	1.2	0.6	3.9	986.0
110°	11.3	10.7	9.1	6.5	3.3	0.7	0.6	3.1	989.1
115°	9.6	9.0	7.5	5.2	2.3	0.7	0.6	2.5	991.6
120°	8.0	7.4	6.1	3.9	1.6	0.7	0.6	1.9	993.5
125°	6.5	5.9	4.7	2.9	1.1	0.8	0.7	1.4	994.9
130°	5.2	4.7	3.6	2.1	1.1	1.0	0.9	1.1	996.0
135°	4.1	3.7	2.8	1.7	1.4	1.1	1.1	0.9	996.9
140°	3.2	2.8	2.2	1.7	1.6	1.3	1.3	0.7	997.6
145°	2.4	2.3	2.1	1.9	1.7	1.5	1.5	0.6	998.2
150°	2.3	2.3	2.2	2.0	1.7	1.6	1.6	0.5	998.7
155°	2.3	2.2	2.1	2.0	1.7	1.7	1.6	0.5	999.2
160°	2.1	2.1	2.0	1.8	1.7	1.6	1.6	0.3	999.5
165°	1.8	1.8	1.8	1.7	1.6	1.6	1.5	0.2	999.8
170°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	0.1	999.9
175°	1.5	1.6	1.5	1.6	1.6	1.6	1.6	0.1	1000.0
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1000.0

Photometric test report

Family Monsun® 11	Order number: 51FE117P480S EAN: 4069025242433	LP number 59019_4
----------------------	--	----------------------

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	17.8	19.2	18.2	19.6	19.9	17.6	19.0	18.0	19.3	19.7
	3H	19.1	20.4	19.5	20.7	21.0	18.6	19.9	19.0	20.2	20.6
	4H	19.7	20.9	20.1	21.2	21.6	19.0	20.2	19.4	20.6	20.9
	6H	20.3	21.3	20.7	21.7	22.1	19.3	20.4	19.7	20.7	21.1
	8H	20.6	21.6	21.0	21.9	22.3	19.4	20.4	19.9	20.8	21.2
	12H	20.8	21.7	21.3	22.1	22.5	19.5	20.4	19.9	20.8	21.2
4H	2H	18.3	19.5	18.7	19.8	20.2	18.1	19.3	18.5	19.6	20.0
	3H	19.8	20.8	20.2	21.2	21.6	19.3	20.3	19.7	20.7	21.1
	4H	20.5	21.4	21.0	21.8	22.3	19.8	20.7	20.3	21.1	21.6
	6H	21.3	22.0	21.7	22.5	22.9	20.2	21.0	20.7	21.4	21.9
	8H	21.6	22.3	22.1	22.7	23.2	20.3	21.0	20.8	21.5	22.0
	12H	22.0	22.5	22.4	23.0	23.5	20.4	21.0	20.9	21.5	22.0
8H	4H	20.8	21.5	21.3	21.9	22.4	20.2	20.9	20.6	21.3	21.8
	6H	21.7	22.3	22.2	22.7	23.2	20.7	21.2	21.2	21.7	22.2
	8H	22.1	22.6	22.6	23.1	23.6	20.8	21.4	21.3	21.8	22.4
	12H	22.6	23.0	23.1	23.5	24.0	21.0	21.4	21.5	21.9	22.4
12H	4H	20.8	21.4	21.3	21.9	22.4	20.2	20.8	20.7	21.3	21.8
	6H	21.7	22.2	22.2	22.7	23.2	20.8	21.3	21.3	21.8	22.3
	8H	22.2	22.7	22.7	23.2	23.7	21.0	21.4	21.5	21.9	22.5

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°		9539.2	9483.6	9502.6	9556.8	9743.7	10084.3	10696.0			
50°		7994.1	7952.1	7983.6	8019.2	8155.1	8455.5	9064.7			
55°		6949.5	6916.1	6946.0	6960.8	7044.4	7299.8	7908.8			
60°		6216.6	6192.2	6210.0	6206.2	6239.2	6438.0	7037.9			
65°		5696.2	5674.0	5676.5	5630.9	5625.7	5764.7	6341.4			
70°		5285.5	5268.3	5229.0	5141.4	5075.2	5151.1	5709.5			
75°		4918.5	4899.2	4813.6	4670.0	4498.5	4495.3	5006.1			
80°		4560.3	4516.7	4423.6	4156.3	3849.9	3694.5	4095.9			
85°		4321.3	4261.9	4145.4	3781.8	3234.2	2766.7	2876.3			

Photometric test report

Family
Monsun® 11

Order number: **51FE117P480S**
EAN: **4069025242433**

LP number
59019_4

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

sit

eco

