

Photometric test report

Family

Monsun® 11



Order number: 51FP107P467L3G

EAN: 4069025280336

LP number

58939_152

Version

prismatic diffuser, opal, PMMA, wide distribution

Lamps

LED 4000 K | CRI ≥ 80

Controlgear

ECG

Setting

AC-mode

Rated values

Net luminous flux = 6050 lm

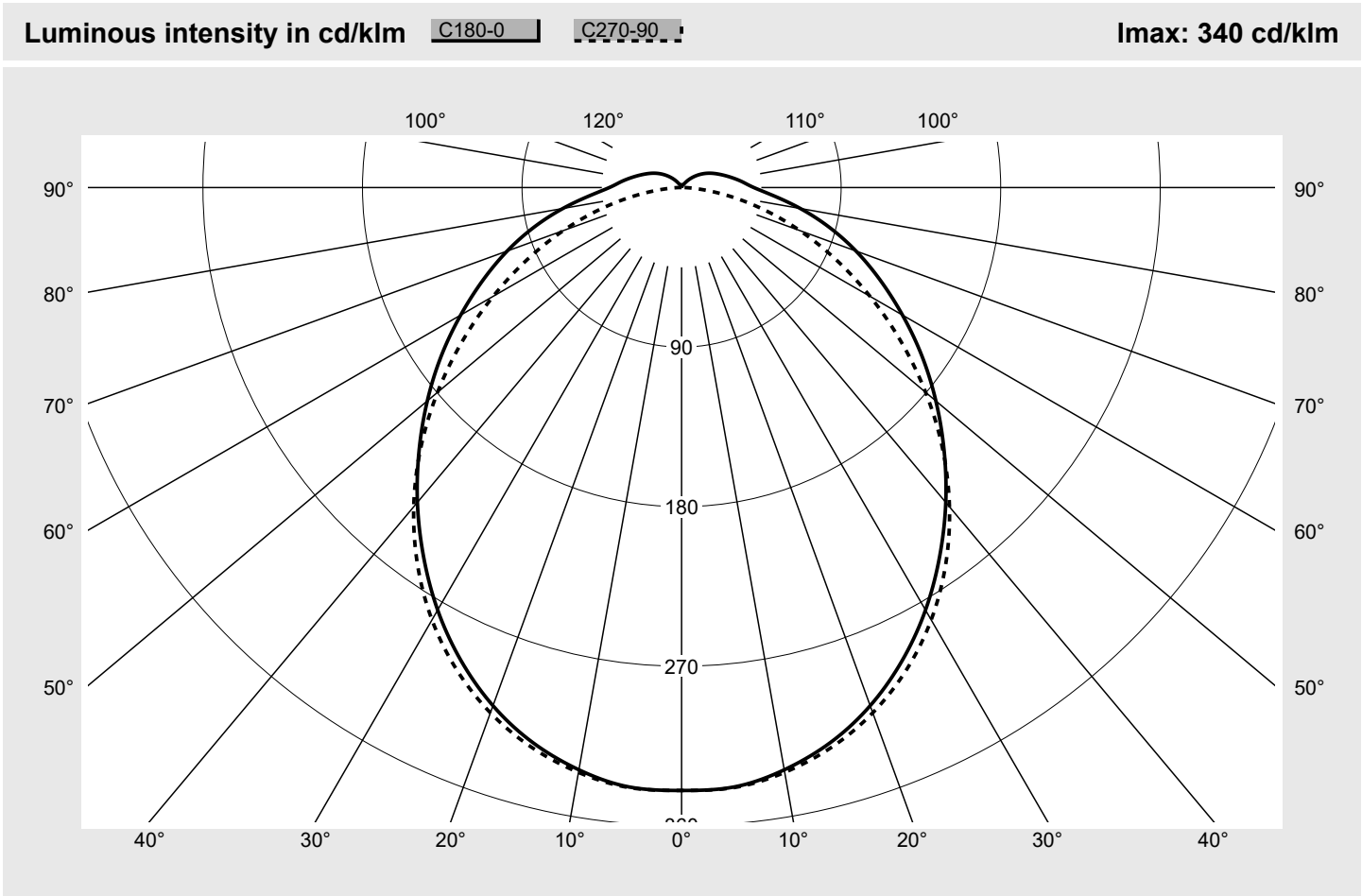
Power consumption = 37.7 W

Luminous efficacy = 160.5 lm/W

serial documentation

30.09.2024

siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 1	η_{LB}	100.0%
CIE	N1=47 N2=77 N3=93	ϕ_u	94.2%
	N4=94 N5=100	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	24.0	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	25.6	26.1	22.5	23.7	22.9	24.1	24.5
4H	2H	20.8	22.2	21.2	22.6	22.9	20.8	22.2	21.2	22.6	22.9
	3H	22.7	24.0	23.1	24.3	24.7	22.3	23.6	22.7	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	23.4	24.4	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	25.8	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	26.7	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	24.7	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	26.3	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		15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°			
	γ	0° 180°							90° 270°
Luminance in cd/m²									
45°	10432.0	10496.6	10573.4	10794.5	11260.4	11884.0	12708.4		
50°	9894.0	9930.7	10004.9	10157.5	10541.7	11133.9	12037.3		
55°	9381.9	9392.8	9450.4	9524.8	9821.7	10339.3	11291.2		
60°	8875.8	8868.3	8883.8	8911.9	9107.6	9535.1	10495.3		
65°	8430.8	8410.6	8339.4	8286.5	8402.8	8724.5	9661.6		
70°	8048.8	8003.3	7795.7	7648.4	7662.0	7870.8	8766.0		
75°	7650.5	7578.2	7287.5	6991.9	6818.5	6888.8	7701.3		
80°	7228.3	7108.3	6817.0	6291.5	5853.3	5658.5	6297.9		
85°	6920.2	6773.7	6457.0	5798.1	4928.5	4223.0	4398.3		

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Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

sit

eco

