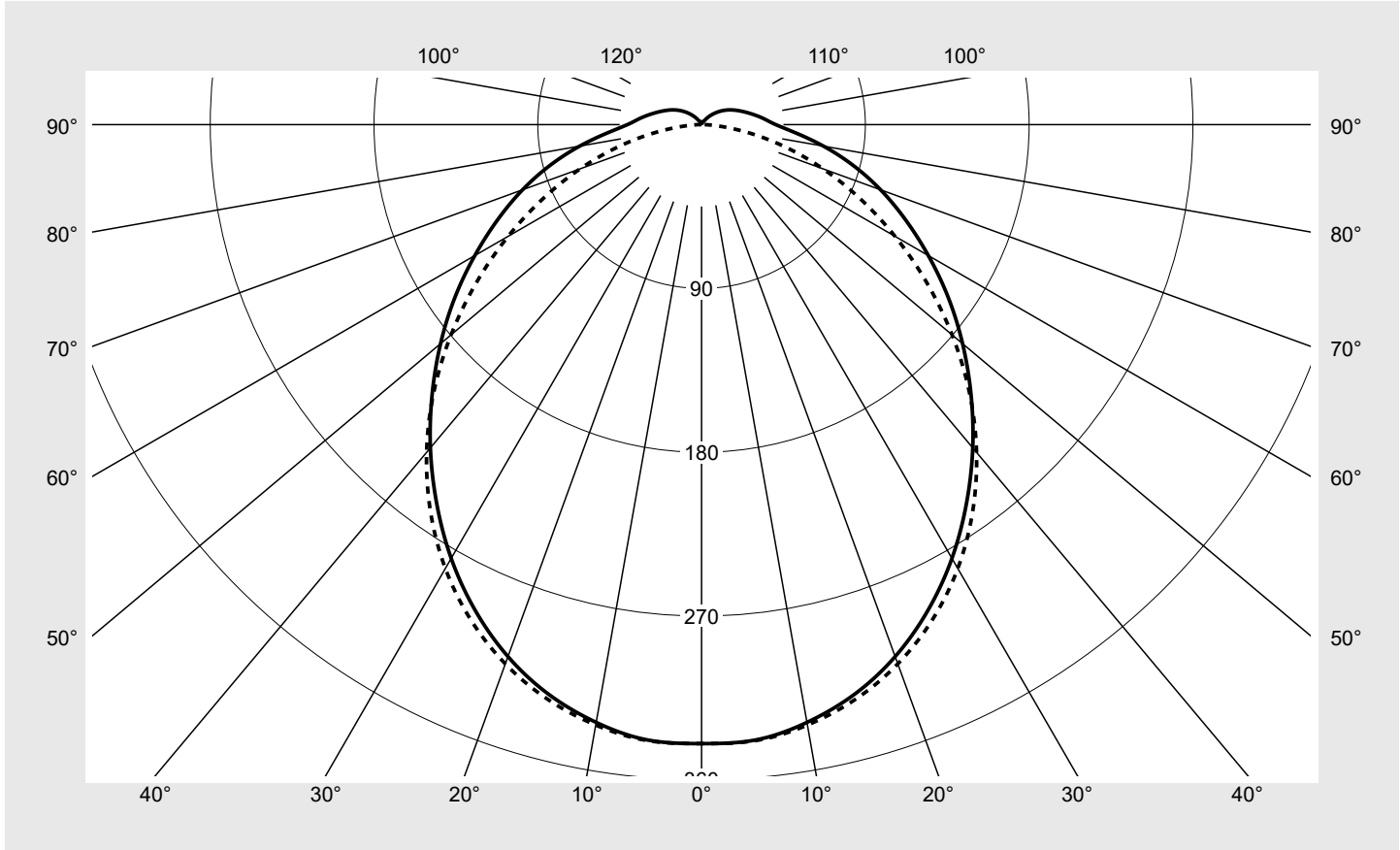


# Photometric test report

<b>Family</b> <b>Monsun® 12</b>	<b>Order number: 51FP107P437H3G</b> <b>EAN: 4058352376249</b>	<b>LP number</b> <b>58939_33</b>
	<b>Version</b> prismatic diffuser, opal, PMMA, wide distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG <b>Setting</b> emergency light operation: 3 h <b>Rated values</b> Net luminous flux = 870 lm Power consumption = 5.0 W Luminous efficacy = 174 lm/W	<b>serial documentation</b> <b>10.05.2021</b>



**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	
$\eta_{LB}$	100.0%
$\phi_u$	94.2%
$\phi_o$	5.8%

**Measurement conditions**  
DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
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

## Photometric test report

Family <b>Monsun® 12</b>	Order number: <b>51FP107P437H3G</b> EAN: <b>4058352376249</b>	LP number <b>58939_33</b>
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UGR-Table	Standard room	siteco	
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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	13.3	15.0	13.7	15.3	15.7	13.3	15.0	13.7	15.3	15.7
	3H	15.1	16.6	15.5	17.0	17.3	14.7	16.2	15.1	16.6	16.9
	4H	15.9	17.3	16.3	17.7	18.1	15.2	16.7	15.6	17.0	17.4
	6H	16.6	18.0	17.1	18.4	18.7	15.6	16.9	16.0	17.3	17.7
	8H	17.0	18.3	17.4	18.7	19.1	15.7	17.0	16.1	17.4	17.8
	12H	17.3	18.5	17.8	18.9	19.3	15.8	17.0	16.2	17.4	17.8
4H	2H	14.0	15.5	14.4	15.8	16.2	14.0	15.5	14.4	15.8	16.2
	3H	16.0	17.2	16.4	17.6	18.0	15.6	16.8	16.0	17.2	17.6
	4H	16.9	18.1	17.4	18.5	18.9	16.2	17.4	16.7	17.8	18.2
	6H	17.8	18.8	18.3	19.3	19.7	16.7	17.7	17.2	18.1	18.6
	8H	18.3	19.2	18.7	19.6	20.1	16.9	17.8	17.3	18.2	18.7
	12H	18.7	19.5	19.2	19.9	20.4	17.0	17.8	17.4	18.2	18.7
8H	4H	17.3	18.2	17.7	18.6	19.1	16.6	17.6	17.1	18.0	18.5
	6H	18.3	19.1	18.8	19.6	20.1	17.3	18.0	17.7	18.5	19.0
	8H	18.9	19.6	19.4	20.0	20.6	17.5	18.2	18.0	18.6	19.2
	12H	19.4	20.0	19.9	20.5	21.0	17.6	18.2	18.1	18.7	19.3
12H	4H	17.3	18.1	17.8	18.6	19.1	16.7	17.6	17.2	18.0	18.5
	6H	18.4	19.1	18.9	19.6	20.1	17.4	18.1	17.9	18.6	19.1
	8H	19.0	19.6	19.5	20.1	20.6	17.7	18.3	18.2	18.8	19.3

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
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		1500.1	1509.4	1520.5	1552.3	1619.3	1708.9	1827.5	
50°		1422.8	1428.0	1438.7	1460.7	1515.9	1601.1	1731.0	
55°		1349.1	1350.7	1359.0	1369.7	1412.4	1486.8	1623.7	
60°		1276.4	1275.3	1277.5	1281.6	1309.7	1371.2	1509.2	
65°		1212.4	1209.5	1199.2	1191.6	1208.3	1254.6	1389.4	
70°		1157.4	1150.9	1121.0	1099.9	1101.8	1131.8	1260.6	
75°		1100.2	1089.8	1048.0	1005.4	980.5	990.6	1107.5	
80°		1039.4	1022.2	980.3	904.7	841.7	813.7	905.6	
85°		995.1	974.1	928.5	833.8	708.7	607.3	632.5	

**Photometric test report**

**Family**  
**Monsun® 12**

**Order number: 51FP107P437H3G**  
**EAN: 4058352376249**

**LP number**  
**58939\_33**

**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**

