

## Lichttechnischer Prüfbefund

**Familie**  
**Monsun® 12**

**Bestell-Nr.: 51FE107P680R**  
**EAN: 4058352539477**

**LP-Nummer**  
**58939\_85**



**Ausführung** Prismenwanne, opal, PMMA, breit strahlend  
**Bestückung** LED 6500 K | CRI ≥ 80  
**Betriebsgerät** EVG  
**Bemessungswerte** Nettolichtstrom = 7900 lm  
 Systemleistung = 43.2 W  
 Lichtausbeute = 182.9 lm/W

**Seriendokumentation**  
21.10.2021

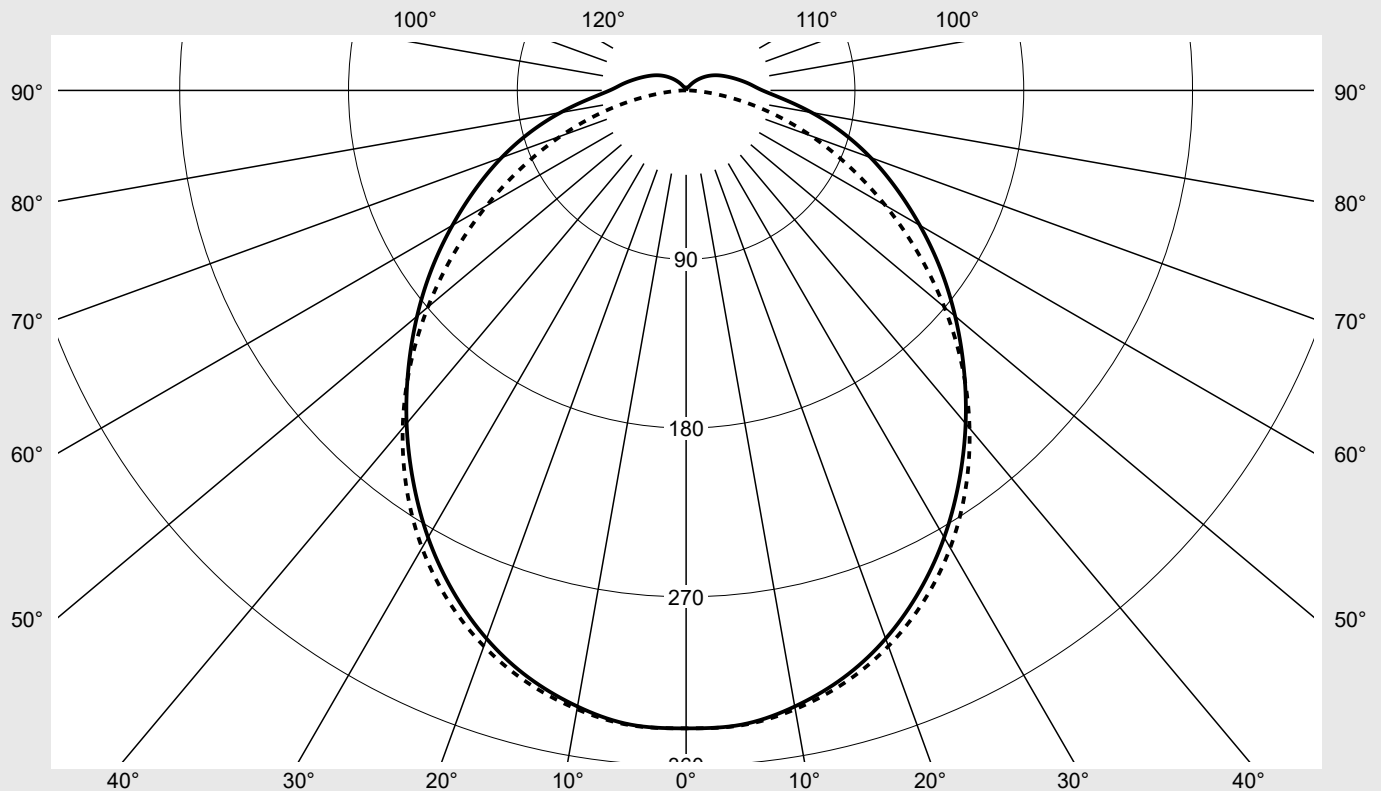
**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 340 cd/klm**



**Klassifizierungen**

DIN 5040 A 4 1  
 CIE N1=47 N2=77 N3=93  
 N4=94 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  94,2%  
 $\phi_o$  5,8%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ	Lichtstärke in cd/klm							Lichtstrom 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-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,0	22,7	21,4	23,0	23,3	21,0	22,7	21,3	23,0	23,3
	3H	22,7	24,3	23,1	24,6	25,0	22,4	23,9	22,7	24,2	24,6
	4H	23,6	25,0	24,0	25,4	25,7	22,9	24,3	23,3	24,7	25,1
	6H	24,3	25,7	24,7	26,0	26,4	23,2	24,6	23,7	25,0	25,4
	8H	24,7	25,9	25,1	26,3	26,7	23,4	24,7	23,8	25,0	25,4
	12H	25,0	26,2	25,4	26,6	27,0	23,4	24,6	23,9	25,0	25,5
4H	2H	21,7	23,2	22,1	23,5	23,9	21,7	23,1	22,1	23,5	23,9
	3H	23,6	24,9	24,1	25,3	25,7	23,3	24,5	23,7	24,9	25,3
	4H	24,6	25,7	25,0	26,1	26,6	23,9	25,0	24,3	25,4	25,9
	6H	25,5	26,5	26,0	26,9	27,4	24,4	25,4	24,8	25,8	26,3
	8H	25,9	26,8	26,4	27,3	27,8	24,5	25,4	25,0	25,9	26,4
	12H	26,3	27,2	26,8	27,6	28,1	24,6	25,5	25,1	25,9	26,4
8H	4H	24,9	25,8	25,4	26,3	26,7	24,3	25,2	24,8	25,7	26,1
	6H	26,0	26,8	26,5	27,2	27,7	24,9	25,7	25,4	26,2	26,7
	8H	26,5	27,2	27,0	27,7	28,2	25,1	25,8	25,6	26,3	26,8
	12H	27,1	27,7	27,6	28,2	28,7	25,3	25,9	25,8	26,4	26,9
12H	4H	25,0	25,8	25,4	26,2	26,7	24,4	25,2	24,9	25,7	26,2
	6H	26,1	26,8	26,6	27,2	27,8	25,1	25,8	25,6	26,2	26,7
	8H	26,7	27,3	27,2	27,8	28,3	25,4	25,9	25,9	26,4	27,0

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1590, B = 87	H(C0) = 21, H(C90) = 21	H(C180) = 21, H(C270) = 21
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C-Ebenen	$\gamma$	Leuchtdichte 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°		13621.9	13706.3	13806.6	14095.3	14703.6	15518.0	16594.5	
50°		12919.4	12967.3	13064.3	13263.6	13765.2	14538.5	15718.1	
55°		12250.8	12265.0	12340.1	12437.4	12825.1	13500.9	14743.9	
60°		11589.9	11580.1	11600.3	11637.1	11892.6	12450.7	13704.6	
65°		11008.9	10982.4	10889.5	10820.4	10972.3	11392.3	12616.0	
70°		10510.0	10450.6	10179.4	9987.2	10004.9	10277.6	11446.6	
75°		9989.9	9895.6	9515.9	9129.9	8903.5	8995.3	10056.3	
80°		9438.6	9281.9	8901.5	8215.3	7643.1	7388.8	8223.7	
85°		9036.4	8845.1	8431.5	7571.1	6435.6	5514.4	5743.3	

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**Leuchtdichten in cd/m<sup>2</sup>**

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

