

## Lichttechnischer Prüfbefund

**Familie**  
**Monsun® Ex**

**Bestell-Nr.: 51FXB17P470A**  
**EAN: 4058352933299**

**LP-Nummer**  
**59504\_1**



**Ausführung** Prismenwanne, opal, PC, elliptisch medium strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 7310 lm  
 Systemleistung = 43.8 W  
 Lichtausbeute = 166.9 lm/W

**Seriendokumentation**  
**06.11.2023**

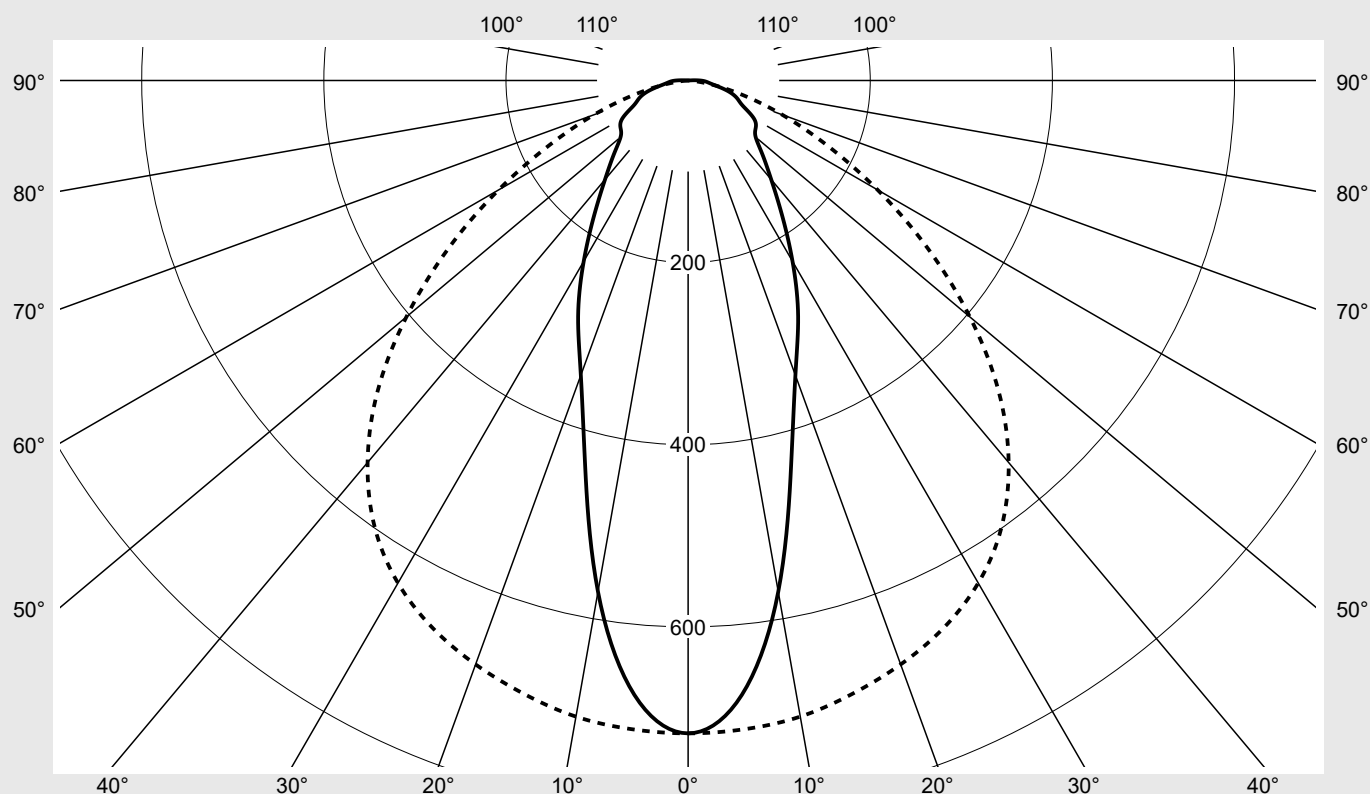
**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 717 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 1  
 CIE N1=61 N2=86 N3=97  
 N4=100 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  99,7%  
 $\phi_o$  0,3%

**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°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	4.3	4.3
5°	677.2	678.7	686.5	695.5	704.9	712.3	715.0	33.2	37.5
10°	570.0	577.9	600.9	634.1	668.5	697.1	709.3	60.6	98.1
15°	437.1	447.4	481.0	538.8	609.9	671.8	697.2	78.4	176.5
20°	344.4	351.8	375.2	431.4	529.7	635.0	682.3	88.6	265.1
25°	285.8	291.8	308.5	345.6	439.1	581.6	663.5	94.3	359.4
30°	229.3	235.5	255.1	285.5	352.1	516.0	637.2	94.9	454.3
35°	179.3	185.5	204.4	236.0	285.1	440.2	599.7	91.2	545.5
40°	142.0	146.9	162.0	190.0	233.1	361.6	547.6	84.5	630.0
45°	115.8	119.0	129.0	151.6	189.6	285.9	482.1	75.8	705.8
50°	96.9	97.9	105.1	121.4	151.9	220.0	403.8	66.2	772.0
55°	90.6	88.1	86.8	99.8	118.3	167.4	321.2	57.4	829.4
60°	83.4	80.5	76.4	81.9	95.1	124.0	240.4	49.0	878.4
65°	66.7	67.8	66.1	66.3	76.2	88.1	168.2	39.9	918.3
70°	57.3	58.4	55.3	53.7	53.5	59.5	110.0	31.3	949.6
75°	45.6	46.2	46.2	45.5	34.7	34.0	62.9	23.0	972.6
80°	29.6	30.8	29.4	27.5	20.8	16.7	27.8	13.8	986.4
85°	21.3	21.6	22.1	18.4	12.4	7.2	5.5	8.7	995.1
90°	13.3	13.0	12.5	10.3	6.2	2.6	1.6	4.7	999.8
95°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	999.9
100°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	999.9
105°	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	999.9
110°	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	14,7	16,2	15,1	16,5	16,9	20,6	22,1	20,9	22,4	22,8
	3H	16,2	17,6	16,6	18,0	18,3	21,7	23,0	22,0	23,4	23,7
	4H	16,9	18,2	17,3	18,6	19,0	22,0	23,3	22,4	23,6	24,0
	6H	17,4	18,6	17,8	19,0	19,4	22,3	23,4	22,7	23,7	24,1
	8H	17,6	18,7	18,0	19,1	19,5	22,4	23,4	22,8	23,7	24,1
	12H	17,8	18,8	18,2	19,2	19,7	22,4	23,3	22,8	23,7	24,1
4H	2H	15,6	16,8	16,0	17,2	17,5	20,6	21,9	21,0	22,2	22,6
	3H	17,2	18,3	17,7	18,7	19,1	21,7	22,8	22,1	23,2	23,6
	4H	18,1	19,0	18,5	19,4	19,9	22,1	23,1	22,6	23,5	23,9
	6H	18,6	19,5	19,1	19,9	20,4	22,3	23,2	22,8	23,6	24,1
	8H	18,9	19,7	19,3	20,1	20,6	22,4	23,1	22,9	23,6	24,1
	12H	19,1	19,8	19,6	20,2	20,7	22,4	23,1	22,9	23,5	24,0
8H	4H	18,4	19,2	18,9	19,6	20,1	22,1	22,9	22,6	23,4	23,8
	6H	19,1	19,8	19,6	20,2	20,7	22,4	23,0	22,9	23,5	24,0
	8H	19,4	20,0	19,9	20,5	21,0	22,4	23,0	22,9	23,5	24,0
	12H	19,8	20,2	20,3	20,7	21,3	22,5	22,9	23,0	23,4	24,0
12H	4H	18,5	19,1	19,0	19,6	20,1	22,1	22,8	22,6	23,3	23,8
	6H	19,2	19,7	19,7	20,2	20,7	22,4	23,0	22,9	23,4	24,0
	8H	19,6	20,0	20,1	20,5	21,1	22,5	22,9	23,0	23,4	24,0

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1580 B = 155	H(C0) = 50	H(C90) = 50	H(C180) = 50	H(C270) = 50
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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°		3695.4	3805.1	4204.5	5118.6	6731.9	10832.2	19726.5	
50°		3249.1	3292.6	3609.3	4342.4	5758.2	8992.3	18071.5	
55°		3228.1	3149.1	3177.9	3825.4	4850.3	7491.2	15991.9	
60°		3192.9	3090.8	3019.3	3408.2	4277.1	6181.1	13604.0	
65°		2782.7	2842.5	2858.4	3046.2	3832.3	4997.8	11127.5	
70°		2650.2	2715.0	2663.8	2777.1	3076.2	3953.9	8831.2	
75°		2386.5	2426.6	2533.1	2714.9	2348.6	2753.7	6488.4	
80°		1798.7	1880.4	1891.1	1955.3	1723.0	1740.3	4044.7	
85°		1554.6	1592.3	1731.1	1630.3	1340.8	1072.0	1382.0	

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**Leuchtdichten in cd/m²**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**

