

## Lichttechnischer Prüfbefund

**Familie**  
**Monsun® Ex**

**Bestell-Nr.: 51FXA27D820A**  
**EAN: 4058352933152**

**LP-Nummer**  
**59501\_17**



**Ausführung** Prismenwanne, opal, PC, diffus strahlend  
**Bestückung** LED 6500 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 2350 lm  
 Systemleistung = 16.0 W  
 Lichtausbeute = 146.9 lm/W

**Seriendokumentation**  
**04.03.2024**

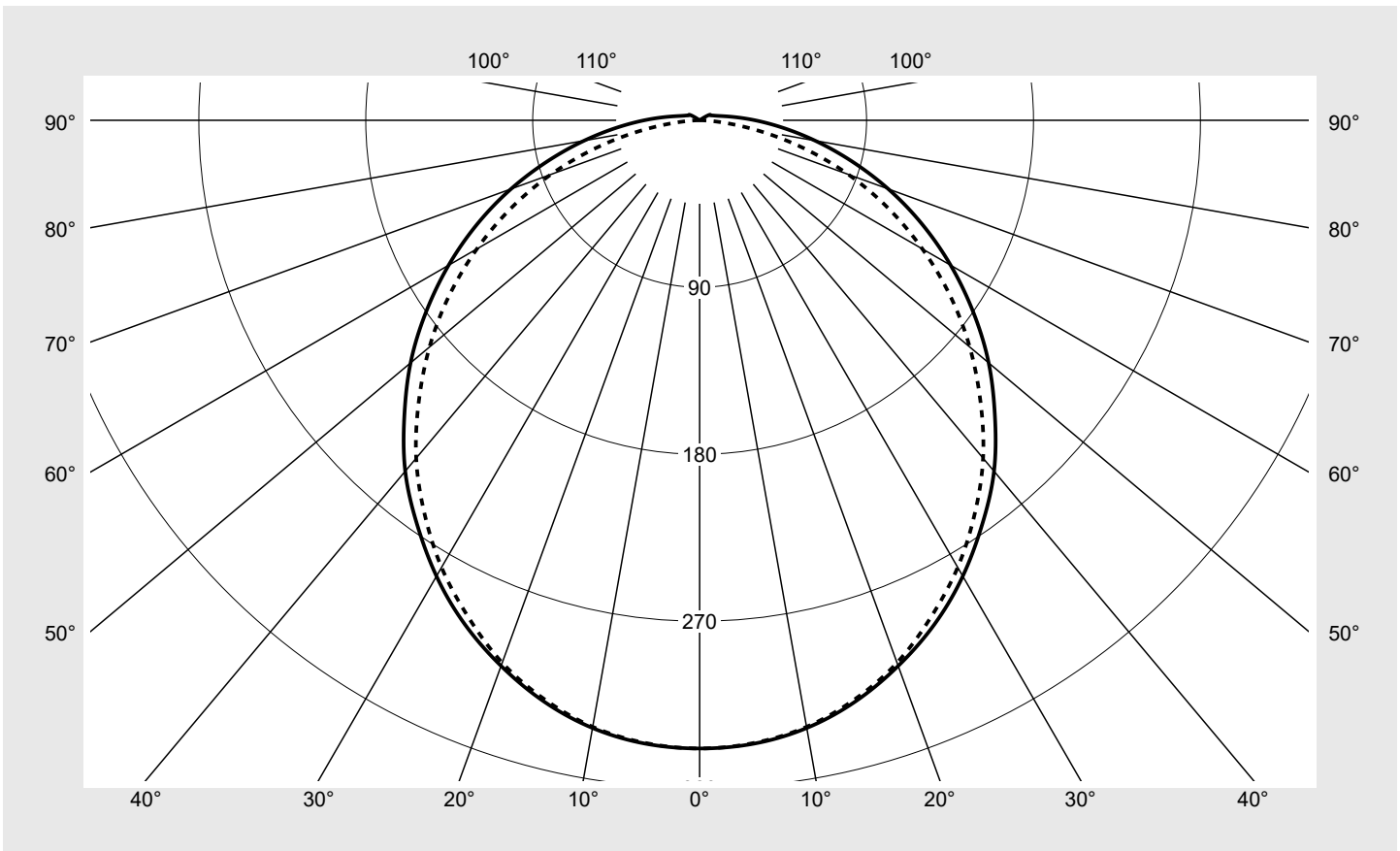
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 339 cd/klm**



**Klassifizierungen**

DIN 5040 A 4 1  
 CIE N1=46 N2=76 N3=94  
 N4=98 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  97,9%  
 $\phi_o$  2,1%

**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	
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			Phi-Zone	Phi-Zone
γ										
Lichtstärke in cd/klm										
Lichtstrom in lm/klm										
0°	338.6	338.6	338.6	338.6	338.6	338.6	338.6	2.0	2.0	
5°	337.3	337.1	336.9	337.0	336.8	336.8	336.9	16.1	18.1	
10°	332.6	332.4	332.2	331.8	332.3	331.3	332.0	31.6	49.7	
15°	324.4	324.0	323.4	323.3	322.8	323.2	323.1	45.9	95.6	
20°	313.0	312.8	312.1	311.8	311.2	311.1	311.2	58.5	154.1	
25°	299.7	299.5	299.1	297.8	297.2	295.9	295.3	69.0	223.1	
30°	283.8	283.7	282.9	280.9	280.1	278.4	278.3	77.1	300.1	
35°	265.7	265.3	264.3	261.2	260.4	259.3	258.7	82.4	382.5	
40°	246.9	245.4	243.6	241.2	239.5	238.0	237.8	85.2	467.7	
45°	225.1	224.2	222.2	220.0	216.4	214.9	214.1	85.1	552.8	
50°	203.4	202.1	200.5	197.1	193.4	190.8	190.1	82.6	635.4	
55°	180.0	178.9	176.5	172.8	168.7	166.4	164.9	77.5	712.9	
60°	156.3	155.0	152.4	147.7	143.3	140.3	138.7	70.1	783.0	
65°	132.3	130.4	127.3	122.6	117.7	113.7	112.3	60.8	843.8	
70°	108.2	106.3	102.3	97.1	91.4	86.7	85.3	49.8	893.6	
75°	84.6	83.1	78.6	72.2	65.5	60.3	58.0	38.0	931.7	
80°	63.2	61.7	56.7	49.6	41.8	35.3	32.2	26.3	958.0	
85°	44.6	42.7	37.9	30.7	22.5	14.8	11.0	16.1	974.1	
90°	29.9	28.2	23.8	17.4	10.3	4.0	0.9	9.1	983.1	
95°	19.4	18.0	14.5	9.8	5.0	1.7	0.7	5.4	988.5	
100°	12.9	11.9	9.5	6.4	3.5	1.3	0.6	3.5	992.0	
105°	9.4	8.8	7.1	5.0	2.8	1.0	0.5	2.6	994.7	
110°	7.6	7.1	5.9	4.2	2.3	0.7	0.3	2.1	996.7	
115°	6.5	6.0	5.0	3.5	1.7	0.4	0.3	1.7	998.4	
120°	5.5	5.1	2.9	1.8	0.9	0.3	0.3	1.1	999.5	
125°	0.1	0.7	1.0	0.8	0.5	0.3	0.2	0.3	999.7	
130°	0.0	0.0	0.2	0.3	0.3	0.2	0.2	0.1	999.8	
135°	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.0	999.9	
140°	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	999.9	
145°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	999.9	
150°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.0	1000.0	
155°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1000.0	
160°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	17,8	19,5	18,2	19,9	20,2	17,9	19,6	18,3	19,9	20,3
	3H	19,4	21,0	19,8	21,3	21,7	19,4	21,0	19,8	21,3	21,6
	4H	20,1	21,6	20,5	21,9	22,3	20,0	21,4	20,3	21,8	22,1
	6H	20,7	22,1	21,1	22,4	22,8	20,3	21,7	20,7	22,0	22,4
	8H	21,0	22,2	21,4	22,6	23,0	20,4	21,7	20,8	22,1	22,5
	12H	21,2	22,4	21,6	22,8	23,2	20,5	21,7	20,9	22,1	22,5
4H	2H	18,5	20,0	18,9	20,3	20,7	18,6	20,1	19,0	20,4	20,8
	3H	20,3	21,6	20,7	21,9	22,3	20,2	21,5	20,7	21,9	22,3
	4H	21,1	22,2	21,5	22,7	23,1	20,9	22,0	21,3	22,4	22,9
	6H	21,8	22,8	22,3	23,3	23,7	21,3	22,3	21,8	22,8	23,2
	8H	22,1	23,1	22,6	23,5	24,0	21,5	22,4	21,9	22,8	23,3
	12H	22,4	23,2	22,9	23,7	24,2	21,5	22,4	22,0	22,8	23,3
8H	4H	21,4	22,3	21,9	22,8	23,2	21,2	22,1	21,7	22,6	23,0
	6H	22,3	23,0	22,7	23,5	24,0	21,8	22,5	22,2	23,0	23,5
	8H	22,7	23,3	23,2	23,8	24,3	21,9	22,6	22,4	23,1	23,6
	12H	23,1	23,6	23,6	24,1	24,7	22,0	22,6	22,5	23,1	23,7
12H	4H	21,4	22,3	21,9	22,7	23,2	21,3	22,1	21,8	22,5	23,0
	6H	22,3	23,0	22,8	23,5	24,0	21,9	22,5	22,4	23,0	23,5
	8H	22,8	23,4	23,3	23,9	24,4	22,1	22,7	22,6	23,1	23,7

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 670 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°		5447.3	5390.6	5400.3	5496.8	5648.4	5952.1	6375.8	
50°		5173.0	5103.7	5123.5	5198.8	5364.1	5665.1	6145.3	
55°		4862.8	4793.8	4796.0	4866.6	5033.1	5371.9	5878.6	
60°		4537.3	4458.3	4454.2	4495.8	4660.6	5000.3	5557.4	
65°		4185.7	4084.1	4058.5	4095.7	4245.9	4564.9	5182.0	
70°		3796.2	3683.9	3619.7	3625.1	3730.2	4019.4	4682.2	
75°		3357.3	3250.8	3148.8	3081.7	3107.3	3335.9	3969.6	
80°		2910.6	2793.1	2641.7	2492.9	2387.4	2443.0	2949.0	
85°		2470.2	2320.1	2131.0	1894.9	1627.3	1382.6	1544.9	

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

