

## Lichttechnischer Prüfbefund

**Familie**  
**Monsun® Ex**

**Bestell-Nr.: 51FXB17P6C0A**  
**EAN: 4058352933374**

**LP-Nummer**  
**59500\_18**



**Ausführung** Prismenwanne, opal, PC, elliptisch medium strahlend  
**Bestückung** LED 6500 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 14960 lm  
 Systemleistung = 94.7 W  
 Lichtausbeute = 158 lm/W

**Seriendokumentation**  
14.11.2023

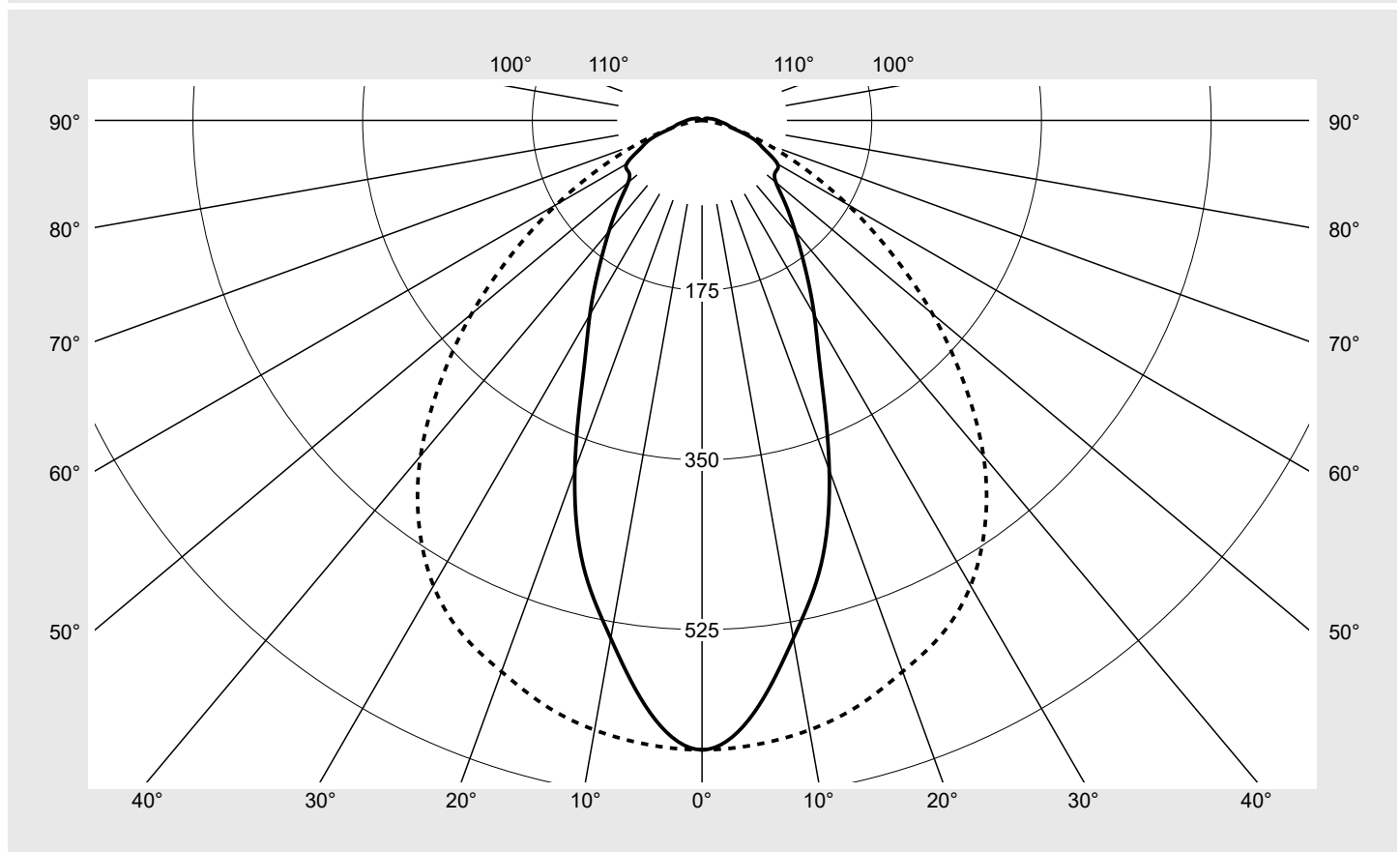
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 649 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 1  
 CIE N1=61 N2=86 N3=97  
 N4=98 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  98,3%  
 $\phi_o$  1,7%

**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°	648.9	648.9	648.9	648.9	648.9	648.9	648.9	3.9	3.9
5°	613.2	614.6	619.7	628.1	636.7	643.2	645.9	30.0	33.9
10°	542.2	547.0	559.3	579.7	603.7	626.8	638.1	55.6	89.5
15°	474.2	479.5	494.7	520.1	559.4	601.8	624.5	75.8	165.3
20°	383.6	394.2	422.7	461.8	507.0	568.3	604.8	89.0	254.3
25°	290.3	301.3	333.6	392.4	452.0	525.9	584.7	94.3	348.6
30°	231.4	238.1	258.4	313.2	392.6	474.9	553.9	94.5	443.2
35°	185.1	190.9	209.8	244.2	327.3	418.4	508.9	91.0	534.2
40°	149.4	153.3	167.8	197.2	262.5	358.4	451.6	84.5	618.8
45°	121.4	125.7	136.6	159.1	205.5	298.1	381.7	76.0	694.8
50°	99.4	102.9	112.6	127.3	162.4	239.6	310.3	66.5	761.2
55°	92.5	90.5	93.6	105.4	127.7	185.3	238.1	57.5	818.7
60°	89.8	87.6	84.0	89.0	99.3	137.3	172.8	49.7	868.4
65°	71.3	71.5	68.0	74.2	78.9	97.8	115.4	40.1	908.5
70°	56.8	56.8	54.2	55.0	59.8	66.0	70.6	30.5	939.0
75°	35.1	36.1	37.2	40.2	39.9	39.4	37.9	20.2	959.2
80°	26.8	27.5	28.0	26.5	24.0	19.4	15.9	13.2	972.4
85°	20.0	20.2	19.4	18.1	12.9	7.0	3.5	8.1	980.6
90°	15.8	15.3	14.4	12.2	6.5	2.4	1.0	5.4	986.0
95°	12.6	12.1	10.4	8.1	3.9	1.7	1.1	3.9	989.9
100°	9.8	9.4	7.3	5.6	3.5	1.7	0.9	2.9	992.8
105°	7.5	6.9	6.5	4.6	3.2	1.2	0.9	2.3	995.2
110°	6.4	6.2	5.5	4.0	2.8	1.0	0.8	2.0	997.2
115°	5.3	5.1	4.3	3.3	1.8	0.6	0.6	1.5	998.6
120°	3.9	3.7	2.2	1.6	1.0	0.4	0.5	0.9	999.5
125°	0.4	0.7	0.9	0.8	0.5	0.3	0.4	0.3	999.8
130°	0.0	0.1	0.3	0.4	0.2	0.2	0.3	0.1	999.9
135°	0.0	0.0	0.1	0.2	0.1	0.2	0.2	0.0	999.9
140°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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	0.1	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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	17,6	19,2	18,0	19,5	19,8	22,5	24,0	22,8	24,3	24,6
	3H	19,0	20,4	19,4	20,8	21,1	23,4	24,8	23,8	25,1	25,4
	4H	19,4	20,8	19,8	21,1	21,5	23,6	24,9	24,0	25,3	25,6
	6H	19,8	21,0	20,2	21,4	21,8	23,8	24,9	24,2	25,3	25,7
	8H	20,0	21,1	20,4	21,5	21,9	23,8	24,9	24,3	25,2	25,6
	12H	20,1	21,2	20,5	21,6	22,0	23,8	24,8	24,3	25,2	25,6
4H	2H	18,5	19,8	18,9	20,1	20,5	22,5	23,8	22,9	24,2	24,5
	3H	20,0	21,1	20,4	21,5	21,9	23,6	24,7	24,0	25,1	25,5
	4H	20,5	21,5	20,9	21,9	22,3	23,9	24,9	24,4	25,3	25,7
	6H	20,9	21,8	21,4	22,2	22,7	24,1	24,9	24,6	25,4	25,8
	8H	21,1	21,9	21,6	22,4	22,8	24,1	24,9	24,6	25,3	25,8
	12H	21,3	22,0	21,8	22,5	23,0	24,2	24,8	24,6	25,3	25,8
8H	4H	20,8	21,6	21,3	22,0	22,5	24,0	24,8	24,4	25,2	25,7
	6H	21,4	22,0	21,9	22,5	23,0	24,2	24,8	24,7	25,3	25,8
	8H	21,7	22,2	22,2	22,7	23,2	24,3	24,8	24,8	25,3	25,8
	12H	22,0	22,4	22,5	22,9	23,5	24,3	24,7	24,8	25,2	25,8
12H	4H	20,9	21,5	21,4	22,0	22,5	24,0	24,7	24,5	25,1	25,6
	6H	21,5	22,0	22,0	22,5	23,0	24,2	24,8	24,7	25,3	25,8
	8H	21,8	22,3	22,3	22,8	23,3	24,3	24,8	24,8	25,3	25,8

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:		L = 1580	H(C0) = 50	H(C180) = 50
		B = 155	H(C90) = 50	H(C270) = 50		

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°		7932.5	8231.2	9107.9	10990.6	14935.7	23118.3	31960.6
50°		6824.8	7079.2	7917.1	9317.6	12597.4	20041.9	28414.1
55°		6744.8	6616.9	7008.8	8265.5	10711.6	16974.4	24259.9
60°		7040.7	6888.0	6788.9	7581.8	9145.6	14004.8	20010.9
65°		6088.7	6130.0	6022.9	6979.5	8116.6	11360.3	15623.6
70°		5380.6	5397.9	5348.7	5818.1	7033.3	8978.4	11593.7
75°		3760.4	3886.6	4180.5	4905.8	5526.7	6527.5	8005.3
80°		3332.5	3434.7	3680.8	3857.9	4073.9	4144.0	4749.1
85°		2993.4	3036.6	3113.4	3283.1	2871.7	2119.1	1779.9

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**Leuchtdichten in cd/m<sup>2</sup>**       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°

