

## Lichttechnischer Prüfbefund

Familie  
Monsun® Ex

Bestell-Nr.: 51FXC27A610A3H  
EAN: 4058352933985

LP-Nummer  
59503\_7



**Ausführung** Prismenwanne, opal, PC, diffus strahlend,  
Notlicht 3h

**Bestückung** LED 6500 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 1600 lm  
Systemleistung = 13.0 W  
Lichtausbeute = 123.1 lm/W

Seriendokumentation  
14.11.2023

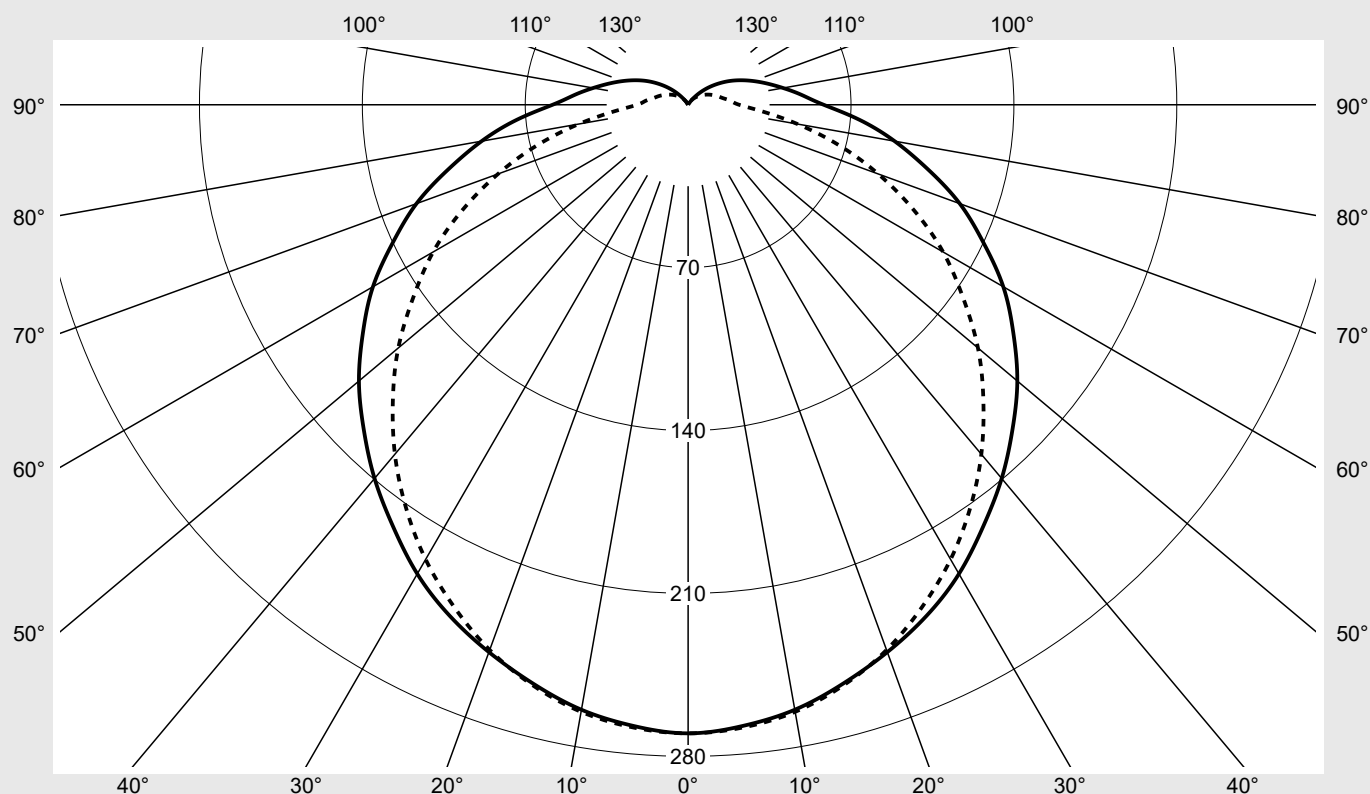
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 270 cd/klm



## Klassifizierungen

DIN 5040 A 3 1  
CIE N1=40 N2=70 N3=89  
N4=90 N5=100

## Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  90,3%  
 $\phi_o$  9,7%

## 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°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	1.6	1.6
5°	268.0	268.2	267.9	268.2	268.4	268.6	268.7	12.8	14.4
10°	264.0	263.4	263.4	263.6	264.2	264.5	264.9	25.1	39.6
15°	257.5	257.7	257.5	257.1	257.4	257.7	258.2	36.5	76.1
20°	250.3	250.6	250.4	249.4	248.7	249.0	249.3	46.8	122.9
25°	242.4	241.7	240.6	239.9	238.8	238.2	238.1	55.6	178.5
30°	232.8	231.9	230.5	228.8	226.9	226.0	225.6	62.7	241.2
35°	221.1	220.6	218.1	215.9	212.8	212.2	211.4	67.9	309.1
40°	209.6	209.0	205.9	201.4	197.7	196.8	196.0	71.3	380.4
45°	197.2	195.5	191.4	186.7	182.7	180.6	179.4	72.7	453.0
50°	184.7	182.8	177.9	171.4	166.3	163.7	162.6	72.5	525.5
55°	170.6	168.9	162.9	155.2	149.5	145.9	144.1	70.3	595.9
60°	156.4	154.4	147.2	139.0	132.0	127.3	126.5	66.6	662.4
65°	140.0	137.7	130.5	121.1	113.9	109.1	107.0	60.9	723.4
70°	124.2	122.3	113.2	103.8	95.9	89.7	86.9	54.1	777.5
75°	106.5	104.6	97.0	86.4	77.9	70.8	67.1	46.2	823.7
80°	90.1	87.8	80.5	69.8	60.6	53.0	47.8	37.8	861.5
85°	73.9	72.6	66.9	55.7	45.6	37.3	31.6	30.1	891.6
90°	58.2	57.2	52.3	44.9	34.7	26.7	21.9	23.4	915.0
95°	48.9	48.1	43.8	36.7	28.6	21.2	18.5	19.3	934.3
100°	41.4	40.6	36.8	30.6	23.4	17.3	15.6	16.0	950.3
105°	35.2	34.3	30.9	25.4	19.2	14.3	13.6	13.1	963.4
110°	29.8	28.8	25.9	20.9	15.6	11.9	11.9	10.6	974.0
115°	24.9	23.7	21.1	16.8	12.4	9.9	10.2	8.4	982.4
120°	20.3	19.1	16.7	13.1	9.4	8.3	8.7	6.4	988.8
125°	15.8	14.7	12.6	9.5	6.8	6.8	7.2	4.6	993.5
130°	11.7	10.7	8.7	6.3	4.7	5.5	5.8	3.1	996.6
135°	7.8	6.9	5.1	3.6	3.4	4.2	4.5	1.9	998.5
140°	4.3	3.6	2.2	1.5	2.4	3.1	3.3	1.0	999.5
145°	1.6	1.2	0.3	0.7	1.5	2.0	2.2	0.4	999.9
150°	0.1	0.1	0.1	0.1	0.6	1.1	1.2	0.1	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.2	0.4	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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,6	21,4	20,0	21,7	22,0	18,7	20,4	19,0	20,8	21,1
	3H	22,1	23,7	22,4	24,0	24,4	20,6	22,2	20,9	22,5	22,9
	4H	23,3	24,9	23,7	25,2	25,6	21,4	23,0	21,8	23,3	23,7
	6H	24,7	26,1	25,1	26,4	26,8	22,2	23,7	22,6	24,0	24,4
	8H	25,4	26,7	25,8	27,1	27,5	22,6	24,0	23,0	24,4	24,8
	12H	26,2	27,5	26,6	27,8	28,3	23,0	24,3	23,4	24,7	25,1
4H	2H	20,4	22,0	20,8	22,3	22,7	19,7	21,2	20,1	21,6	22,0
	3H	23,1	24,4	23,5	24,8	25,2	21,8	23,2	22,2	23,5	23,9
	4H	24,5	25,7	24,9	26,1	26,6	22,8	24,1	23,3	24,5	24,9
	6H	26,0	27,1	26,5	27,6	28,0	23,8	24,9	24,2	25,3	25,8
	8H	26,9	27,9	27,3	28,3	28,8	24,2	25,3	24,7	25,7	26,2
	12H	27,8	28,7	28,3	29,2	29,7	24,7	25,6	25,2	26,1	26,6
8H	4H	25,0	26,0	25,4	26,4	26,9	23,6	24,6	24,0	25,0	25,5
	6H	26,7	27,6	27,2	28,1	28,6	24,8	25,6	25,3	26,1	26,6
	8H	27,8	28,5	28,2	29,0	29,5	25,4	26,1	25,9	26,6	27,1
	12H	28,9	29,6	29,4	30,1	30,6	26,0	26,7	26,5	27,2	27,7
12H	4H	25,0	26,0	25,5	26,4	26,9	23,8	24,7	24,3	25,2	25,6
	6H	26,9	27,7	27,4	28,1	28,7	25,1	25,9	25,6	26,3	26,9
	8H	28,0	28,7	28,5	29,2	29,7	25,8	26,5	26,3	27,0	27,5

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 338 B = 176
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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°		7499.6	7437.9	7278.6	7102.9	6948.4	6869.7	6825.2	
50°		7727.4	7650.4	7445.4	7171.4	6958.8	6850.0	6803.2	
55°		7998.7	7921.3	7639.1	7275.7	7011.3	6843.4	6759.0	
60°		8413.0	8304.9	7919.8	7478.7	7102.7	6847.8	6806.9	
65°		8908.5	8764.7	8307.8	7707.1	7250.1	6944.1	6807.9	
70°		9770.2	9614.5	8902.8	8162.9	7537.8	7056.5	6837.1	
75°		11066.5	10874.3	10076.3	8977.9	8092.6	7352.8	6970.4	
80°		13959.1	13604.4	12464.5	10815.1	9383.9	8214.7	7396.9	
85°		22791.3	22414.8	20643.7	17197.0	14068.1	11509.8	9760.4	

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**Leuchtdichten in cd/m²**       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°

