

Lichttechnischer Prüfbefund

Familie
Monsun® Ex

Bestell-Nr.: 51FXB1DP4A0A
EAN: 4058352933404

LP-Nummer
59500_1



Ausführung Prismenwanne, opal, PC, elliptisch medium strahlend

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 11930 lm
Systemleistung = 94.7 W
Lichtausbeute = 126 lm/W

Seriendokumentation
06.11.2023

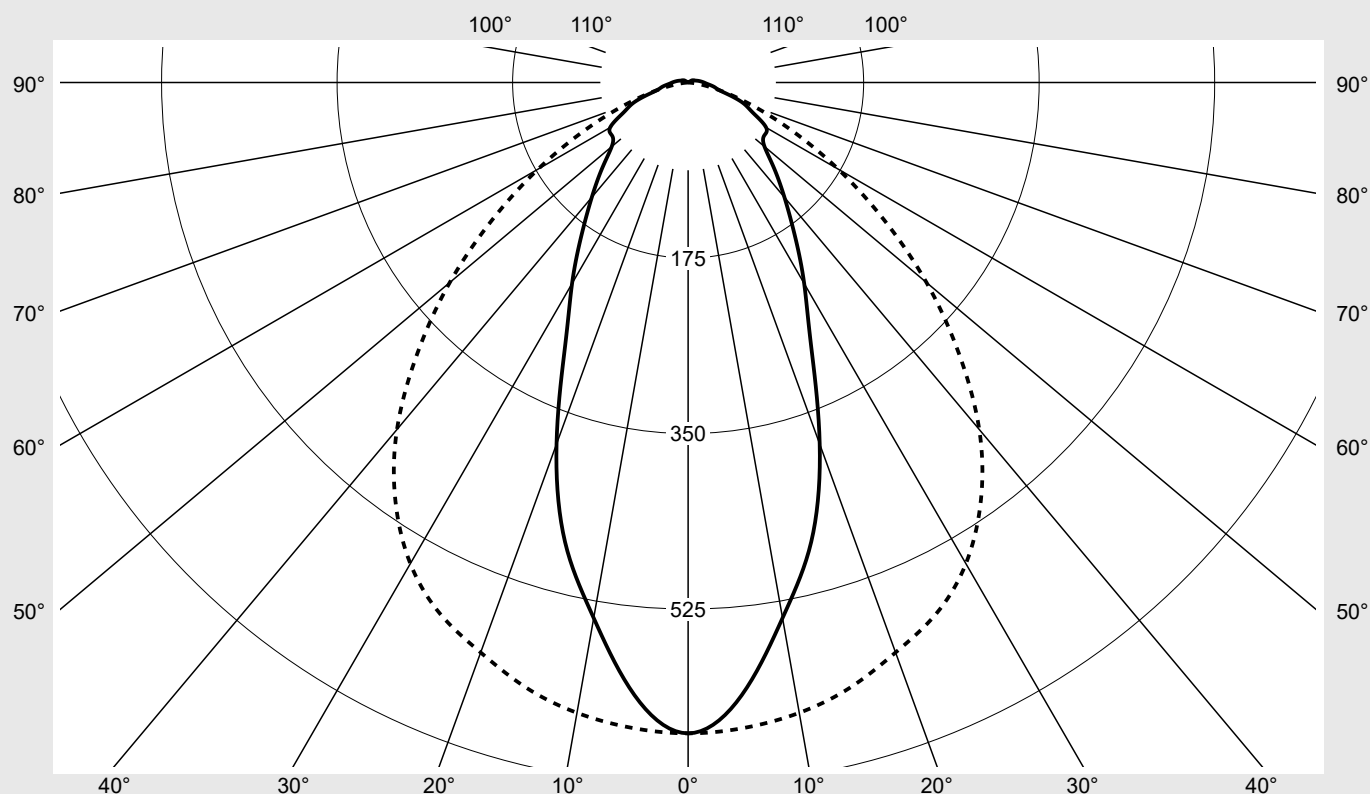
siteco

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

η_{LB} 100,0%
 ϕ_u 98,3%
 ϕ_o 1,7%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	sITeco
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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	siteco
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Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
Raumabmessungen	Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)					
x	y										
2H	2H	16,8	18,4	17,2	18,7	19,0	21,7	23,2	22,0	23,5	23,8
	3H	18,2	19,6	18,6	20,0	20,3	22,6	24,0	23,0	24,3	24,7
	4H	18,7	20,0	19,1	20,3	20,7	22,9	24,1	23,3	24,5	24,8
	6H	19,0	20,2	19,4	20,6	21,0	23,0	24,1	23,4	24,5	24,9
	8H	19,2	20,3	19,6	20,7	21,1	23,0	24,1	23,5	24,4	24,9
	12H	19,3	20,4	19,8	20,8	21,2	23,0	24,0	23,5	24,4	24,8
4H	2H	17,7	19,0	18,1	19,3	19,7	21,7	23,0	22,1	23,4	23,8
	3H	19,2	20,3	19,6	20,7	21,1	22,8	23,9	23,2	24,3	24,7
	4H	19,7	20,7	20,1	21,1	21,5	23,1	24,1	23,6	24,5	25,0
	6H	20,1	21,0	20,6	21,4	21,9	23,3	24,1	23,8	24,6	25,0
	8H	20,3	21,1	20,8	21,6	22,0	23,4	24,1	23,8	24,5	25,0
	12H	20,5	21,2	21,0	21,7	22,2	23,4	24,0	23,9	24,5	25,0
8H	4H	20,0	20,8	20,5	21,2	21,7	23,2	24,0	23,6	24,4	24,9
	6H	20,6	21,2	21,1	21,7	22,2	23,4	24,1	23,9	24,5	25,0
	8H	20,9	21,4	21,4	21,9	22,5	23,5	24,0	24,0	24,5	25,0
	12H	21,2	21,7	21,7	22,2	22,7	23,5	24,0	24,0	24,5	25,0
12H	4H	20,1	20,7	20,6	21,2	21,7	23,2	23,9	23,7	24,3	24,8
	6H	20,7	21,2	21,2	21,7	22,2	23,4	24,0	23,9	24,5	25,0
	8H	21,0	21,5	21,5	22,0	22,5	23,5	24,0	24,0	24,5	25,0

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 1580 B = 155	H(C0) = 50 H(C90) = 50	H(C180) = 50 H(C270) = 50
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C- Ebenen	γ	Leuchtdichte in cd/m ²							
		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°		6325.9	6564.0	7263.2	8764.6	11910.6	18435.9	25487.3	
50°		5442.5	5645.4	6313.6	7430.4	10045.9	15982.6	22659.1	
55°		5378.7	5276.7	5589.3	6591.4	8542.0	13536.4	19346.3	
60°		5614.7	5492.9	5413.9	6046.2	7293.2	11168.2	15957.9	
65°		4855.5	4888.4	4803.0	5565.9	6472.7	9059.4	12459.2	
70°		4290.8	4304.6	4265.4	4639.7	5608.8	7159.9	9245.5	
75°		2998.8	3099.4	3333.8	3912.2	4407.4	5205.4	6383.9	
80°		2657.5	2739.0	2935.3	3076.5	3248.8	3304.7	3787.2	
85°		2387.1	2421.5	2482.9	2618.2	2290.0	1689.9	1419.4	

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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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