

Lichttechnischer Prüfbefund

Familie
Monsun® Ex

Bestell-Nr.: 51FXB1DP470A
EAN: 4058352933398

LP-Nummer
59504_3



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

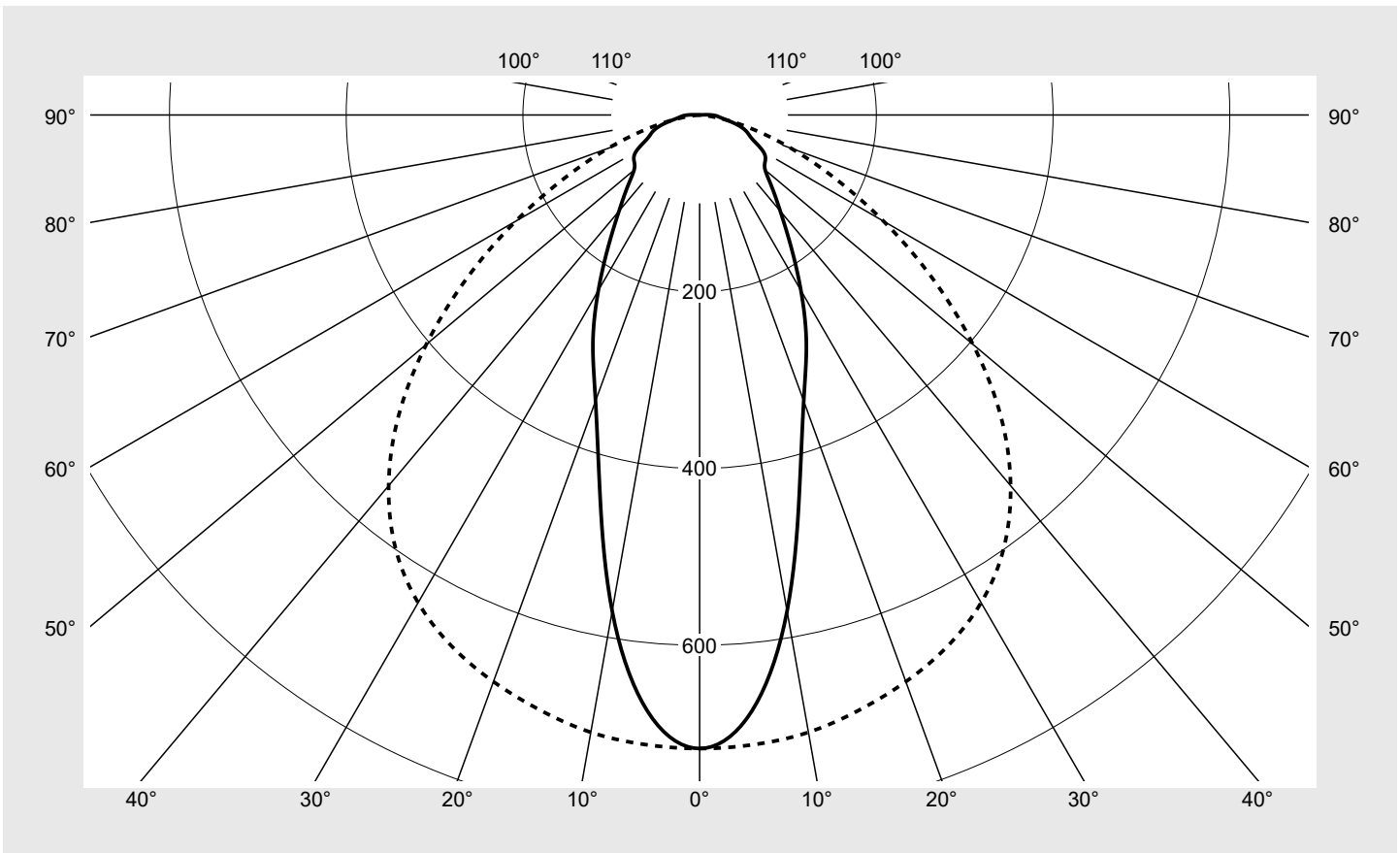
sitEco

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

η_{LB} 100,0%
 ϕ_u 99,7%
 ϕ_o 0,3%

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°	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

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°		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**

