

Lichttechnischer Prüfbefund

Familie
Monsun® Ex

Bestell-Nr.: 51FXC27A610A
EAN: 4058352933947

LP-Nummer
59503_9



Ausführung Prismenwanne, opal, PC, diffus strahlend
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

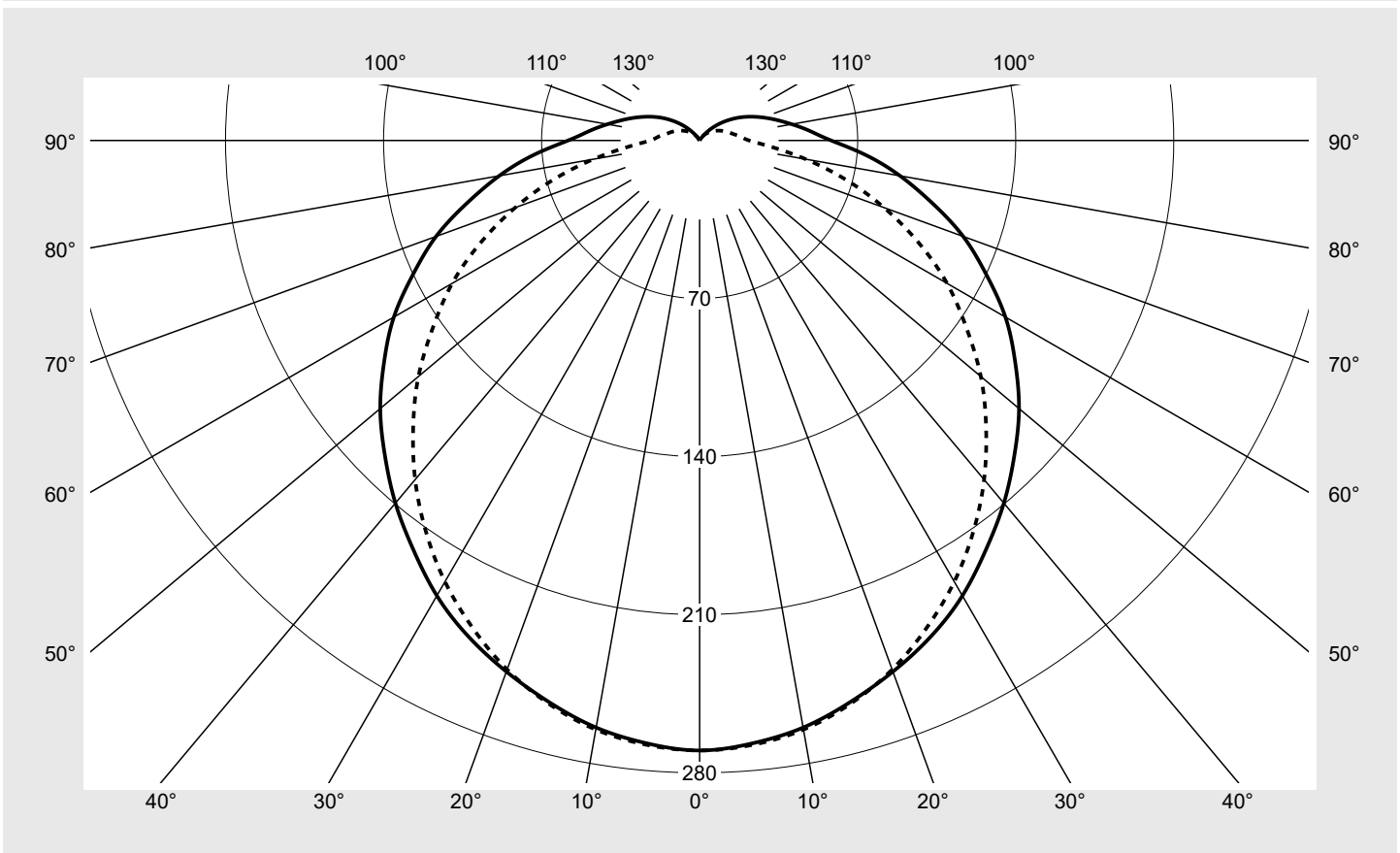
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Lichtstärke in cd/klm

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

η_{LB} 100,0%
 ϕ_u 90,3%
 ϕ_o 9,7%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

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

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 338 B = 176
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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°		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

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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