

Lichttechnischer Prüfbefund

Familie
Monsun® Ex

Bestell-Nr.: 51FXB17P4C0A
EAN: 4058352933329

LP-Nummer
59500_3



Ausführung Prismenwanne, opal, PC, elliptisch medium strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 14960 lm
 Systemleistung = 94.7 W
 Lichtausbeute = 158 lm/W

Seriendokumentation
06.11.2023

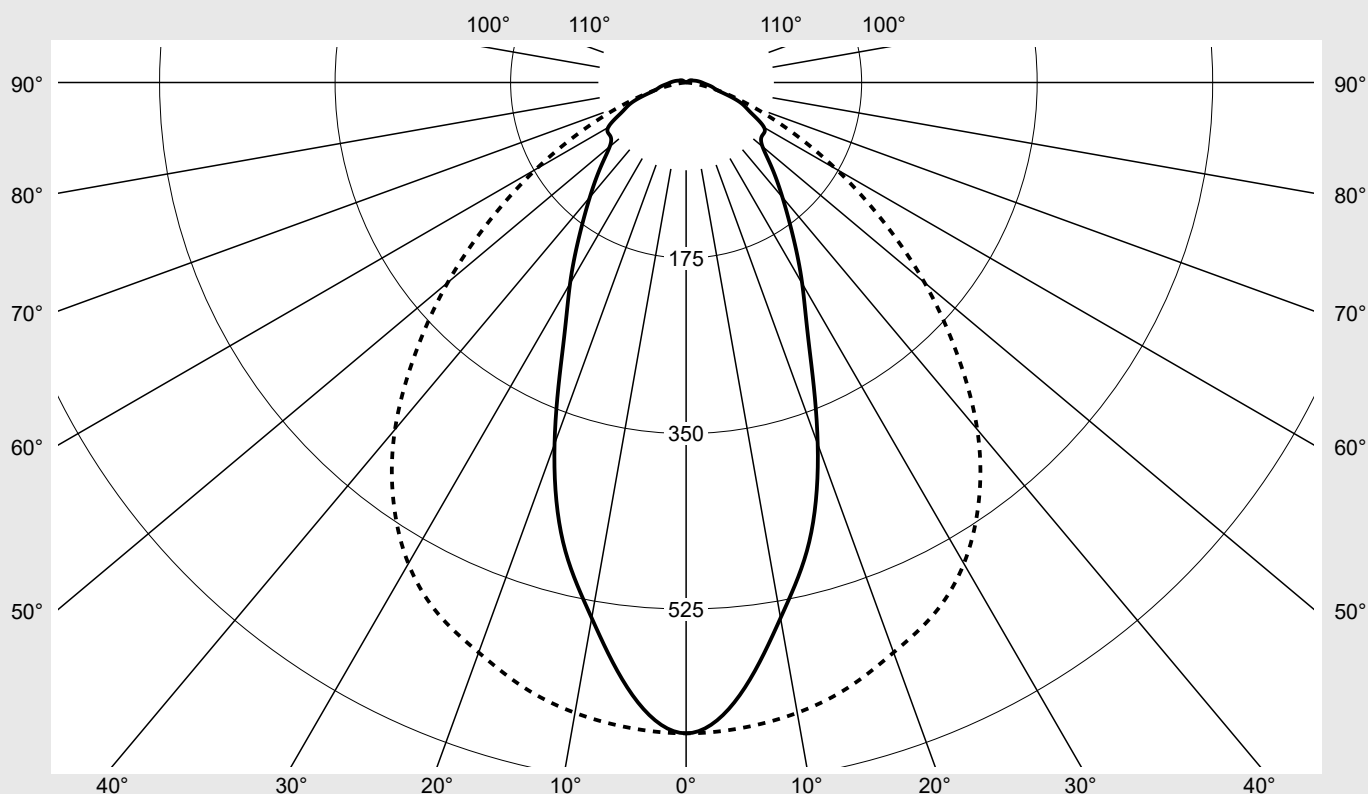
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Lichtstärke in cd/klm

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

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 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°		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/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

