

Lichttechnischer Prüfbefund

Familie
Monsun® 21

Bestell-Nr.: 51FB107P480B
EAN: 4058352519851

LP-Nummer
58939_43



Ausführung Prismenwanne, opal, PMMA, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 8070 lm
 Systemleistung = 52.8 W
 Lichtausbeute = 152.8 lm/W

Seriendokumentation
17.06.2021

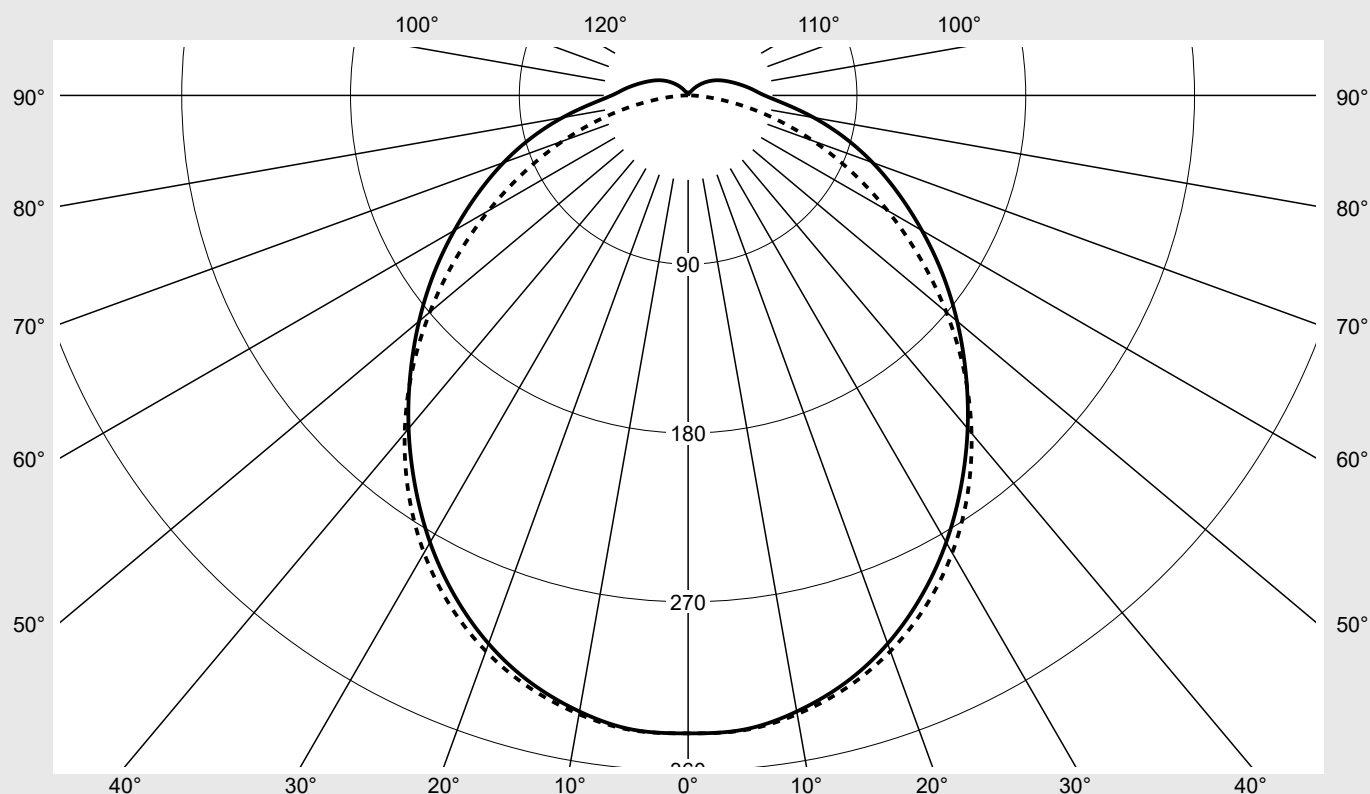
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 340 cd/klm



Klassifizierungen

DIN 5040 A 4 1
 CIE N1=47 N2=77 N3=93
 N4=94 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 94,2%
 ϕ_o 5,8%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe	
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			Phi-Zone	Phi-Zone
γ										
Lichtstärke in cd/klm										
Lichtstrom in lm/klm										
0°	340.1	340.1	340.1	340.1	340.1	340.1	340.1	2.0	2.0	
5°	339.4	338.3	336.5	337.9	339.5	339.4	339.8	16.2	18.2	
10°	333.5	333.0	331.2	332.8	334.6	334.7	335.0	31.7	49.9	
15°	324.2	324.2	322.5	324.2	326.1	326.4	326.9	46.1	96.0	
20°	311.0	311.6	310.1	311.9	314.1	314.7	315.3	58.6	154.6	
25°	294.4	295.4	294.1	296.0	298.4	299.4	300.2	68.7	223.4	
30°	275.2	276.6	275.1	276.8	279.4	280.7	281.6	76.1	299.5	
35°	253.9	255.2	253.8	254.9	257.1	258.4	259.7	80.5	380.0	
40°	231.8	232.9	231.3	231.1	232.5	233.8	235.1	81.9	461.9	
45°	209.4	209.9	207.8	205.9	206.1	206.6	208.2	80.4	542.4	
50°	187.2	187.1	184.8	181.3	179.3	178.3	179.7	76.6	619.0	
55°	165.5	164.8	162.1	157.0	153.1	150.2	150.9	70.7	689.7	
60°	143.9	142.9	139.5	133.7	127.9	123.2	122.7	63.3	753.0	
65°	123.6	122.5	117.8	111.0	104.2	97.9	96.0	54.9	808.0	
70°	104.7	103.3	97.1	89.4	81.7	74.3	71.0	45.8	853.8	
75°	86.1	84.4	77.8	69.2	60.2	52.2	47.8	36.3	890.0	
80°	68.0	66.1	60.2	50.5	40.7	32.1	26.9	26.7	916.7	
85°	51.8	50.0	44.6	35.3	24.7	15.7	10.1	18.3	935.0	
90°	40.8	39.2	34.4	26.0	15.9	6.9	1.8	13.1	948.2	
95°	34.8	33.5	29.7	22.7	13.6	5.1	1.6	11.2	959.3	
100°	29.9	28.8	25.4	19.2	11.3	3.7	1.4	9.4	968.7	
105°	25.7	24.7	21.4	16.1	8.8	2.4	1.2	7.7	976.4	
110°	22.1	20.9	18.0	13.0	6.6	1.4	1.1	6.1	982.5	
115°	19.0	17.8	15.0	10.4	4.7	1.2	1.1	4.9	987.4	
120°	16.0	14.8	12.2	7.9	3.1	1.2	1.0	3.8	991.2	
125°	13.0	11.9	9.4	5.6	1.7	1.1	0.9	2.7	993.9	
130°	10.1	9.1	6.9	3.7	1.4	1.1	1.0	1.9	995.9	
135°	7.3	6.5	4.6	2.1	1.4	1.1	1.1	1.3	997.1	
140°	4.8	4.1	2.7	1.7	1.4	1.1	1.1	0.8	998.0	
145°	2.6	2.3	1.9	1.7	1.4	1.2	1.2	0.5	998.5	
150°	2.0	2.0	1.9	1.6	1.3	1.3	1.3	0.4	998.9	
155°	1.9	1.9	1.7	1.6	1.4	1.4	1.4	0.4	999.3	
160°	1.7	1.7	1.6	1.4	1.4	1.4	1.4	0.3	999.6	
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.2	999.8	
170°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	0.1	999.9	
175°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.1	1000.0	
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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	21,1	22,8	21,4	23,1	23,4	21,1	22,8	21,4	23,1	23,4
	3H	22,8	24,4	23,2	24,7	25,0	22,4	24,0	22,8	24,3	24,7
	4H	23,6	25,1	24,0	25,4	25,8	23,0	24,4	23,4	24,8	25,1
	6H	24,4	25,7	24,8	26,1	26,5	23,3	24,7	23,7	25,0	25,4
	8H	24,8	26,0	25,2	26,4	26,8	23,5	24,7	23,9	25,1	25,5
	12H	25,1	26,3	25,5	26,6	27,1	23,5	24,7	23,9	25,1	25,5
4H	2H	21,8	23,2	22,2	23,6	23,9	21,8	23,2	22,2	23,6	23,9
	3H	23,7	25,0	24,1	25,3	25,7	23,3	24,6	23,7	25,0	25,4
	4H	24,7	25,8	25,1	26,2	26,6	24,0	25,1	24,4	25,5	25,9
	6H	25,6	26,6	26,0	27,0	27,5	24,4	25,4	24,9	25,9	26,3
	8H	26,0	26,9	26,5	27,4	27,8	24,6	25,5	25,1	26,0	26,4
	12H	26,4	27,2	26,9	27,7	28,2	24,7	25,5	25,2	26,0	26,5
8H	4H	25,0	25,9	25,5	26,4	26,8	24,4	25,3	24,9	25,7	26,2
	6H	26,1	26,8	26,6	27,3	27,8	25,0	25,8	25,5	26,2	26,7
	8H	26,6	27,3	27,1	27,8	28,3	25,2	25,9	25,7	26,4	26,9
	12H	27,2	27,8	27,7	28,2	28,8	25,4	26,0	25,9	26,5	27,0
12H	4H	25,0	25,9	25,5	26,3	26,8	24,5	25,3	25,0	25,7	26,2
	6H	26,2	26,8	26,7	27,3	27,8	25,2	25,8	25,7	26,3	26,8
	8H	26,8	27,3	27,3	27,8	28,4	25,4	26,0	25,9	26,5	27,0

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1590 B = 87	H(C0) = 21	H(C180) = 21
		H(C90) = 21	H(C270) = 21

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°		13915.0	14001.3	14103.7	14398.6	15020.1	15851.9	16951.6	
50°		13197.5	13246.4	13345.4	13549.0	14061.4	14851.3	16056.3	
55°		12514.4	12529.0	12605.7	12705.0	13101.1	13791.4	15061.2	
60°		11839.3	11829.3	11849.9	11887.5	12148.6	12718.7	13999.5	
65°		11245.8	11218.7	11123.8	11053.2	11208.4	11637.4	12887.5	
70°		10736.2	10675.5	10398.5	10202.1	10220.2	10498.8	11692.9	
75°		10204.9	10108.5	9720.7	9326.4	9095.1	9188.9	10272.7	
80°		9641.7	9481.6	9093.1	8392.1	7807.6	7547.8	8400.7	
85°		9230.8	9035.4	8612.9	7734.0	6574.1	5633.0	5866.8	

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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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