

Lichttechnischer Prüfbefund

Familie
Monsun® 12

Bestell-Nr.: 51FP207P467H3G
EAN: 4058352391600

LP-Nummer
59060_22



Ausführung Prismenwanne, opal, PC, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 5450 lm
 Systemleistung = 37.2 W
 Lichtausbeute = 146.5 lm/W

Seriendokumentation
25.08.2020

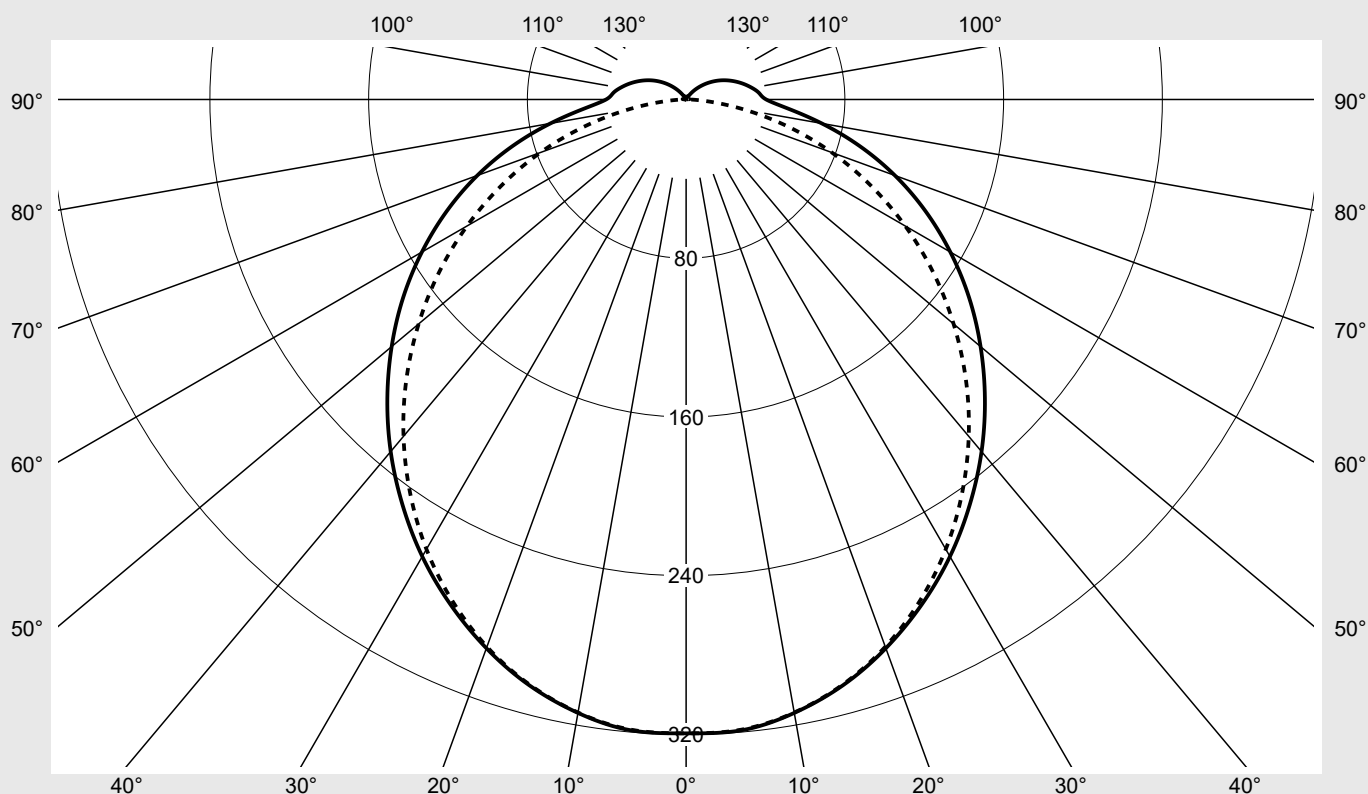
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 319 cd/klm



Klassifizierungen

DIN 5040 A 4 1
 CIE N1=45 N2=75 N3=93
 N4=94 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 93,7%
 ϕ_o 6,3%

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°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	1.9	1.9
5°	319.1	317.8	316.0	317.2	318.6	318.6	318.8	15.2	17.1
10°	313.9	312.8	311.0	312.1	313.5	313.5	313.7	29.8	46.9
15°	305.6	304.7	302.7	303.7	305.0	304.9	305.2	43.2	90.1
20°	294.3	293.5	291.4	292.2	293.3	293.1	293.5	54.9	145.0
25°	280.9	280.2	277.7	277.9	278.8	278.5	278.8	64.6	209.6
30°	265.9	265.3	262.4	261.6	261.9	261.4	261.7	72.0	281.6
35°	249.2	248.5	245.6	243.7	242.9	242.2	242.4	77.0	358.5
40°	231.6	230.8	227.5	224.6	222.7	221.4	221.6	79.5	438.0
45°	212.9	211.8	208.5	204.2	201.3	199.0	199.4	79.5	517.5
50°	193.7	192.3	188.8	183.7	179.4	175.9	176.0	77.3	594.9
55°	174.1	172.4	168.8	162.7	157.2	152.3	152.1	73.1	667.9
60°	153.8	152.1	148.1	141.4	134.9	128.8	127.5	66.9	734.9
65°	133.1	131.4	127.0	119.9	112.8	105.5	102.8	59.2	794.0
70°	112.0	110.4	105.0	98.0	90.2	82.2	78.2	49.9	843.9
75°	90.5	88.8	83.0	75.7	67.3	58.8	53.6	39.3	883.2
80°	69.4	67.4	62.0	54.0	45.3	36.4	30.4	28.3	911.6
85°	51.2	49.1	43.8	35.9	26.7	17.7	11.3	18.6	930.2
90°	40.3	38.3	33.0	25.3	16.4	7.5	1.9	12.9	943.1
95°	36.9	35.1	30.2	22.8	14.1	5.6	1.6	11.6	954.7
100°	33.7	31.9	27.1	20.1	11.9	4.0	1.5	10.1	964.8
105°	30.1	28.5	23.8	17.3	9.5	2.6	1.3	8.6	973.4
110°	26.5	24.6	20.5	14.4	7.3	1.5	1.2	7.1	980.4
115°	22.8	21.1	17.3	11.6	5.2	1.3	1.2	5.7	986.1
120°	19.1	17.5	14.1	8.9	3.4	1.3	1.1	4.4	990.5
125°	15.4	13.9	10.8	6.2	1.7	1.2	1.0	3.2	993.6
130°	11.8	10.5	7.7	3.9	1.4	1.2	1.0	2.2	995.8
135°	8.3	7.2	5.0	2.0	1.4	1.2	1.1	1.4	997.2
140°	5.1	4.3	2.5	1.6	1.3	1.1	1.0	0.8	998.0
145°	2.4	2.0	1.8	1.6	1.4	1.2	1.2	0.5	998.5
150°	1.9	1.9	1.8	1.5	1.4	1.3	1.2	0.4	999.0
155°	1.8	1.8	1.6	1.5	1.4	1.3	1.3	0.4	999.3
160°	1.6	1.6	1.5	1.5	1.4	1.4	1.3	0.3	999.6
165°	1.5	1.5	1.4	1.4	1.4	1.4	1.3	0.2	999.8
170°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	0.1	999.9
175°	1.3	1.3	1.3	1.4	1.4	1.4	1.3	0.1	1000.0
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	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	20,0	21,7	20,3	22,0	22,3	19,8	21,5	20,2	21,8	22,2
	3H	21,8	23,4	22,2	23,7	24,1	21,4	22,9	21,7	23,3	23,6
	4H	22,6	24,1	23,0	24,5	24,8	22,0	23,5	22,4	23,8	24,2
	6H	23,4	24,7	23,8	25,1	25,5	22,4	23,8	22,8	24,1	24,5
	8H	23,7	25,0	24,1	25,4	25,8	22,5	23,8	23,0	24,2	24,6
	12H	24,0	25,2	24,4	25,6	26,0	22,6	23,8	23,0	24,2	24,6
4H	2H	20,7	22,2	21,1	22,6	22,9	20,6	22,1	21,0	22,4	22,8
	3H	22,7	24,0	23,2	24,4	24,8	22,3	23,6	22,8	24,0	24,4
	4H	23,7	24,9	24,1	25,3	25,7	23,1	24,2	23,5	24,6	25,1
	6H	24,6	25,6	25,0	26,0	26,5	23,6	24,6	24,1	25,0	25,5
	8H	25,0	25,9	25,4	26,3	26,8	23,8	24,7	24,2	25,2	25,6
	12H	25,3	26,2	25,8	26,6	27,1	23,9	24,7	24,4	25,2	25,7
8H	4H	24,0	25,0	24,5	25,4	25,9	23,5	24,4	24,0	24,9	25,3
	6H	25,1	25,9	25,6	26,3	26,8	24,2	25,0	24,7	25,4	25,9
	8H	25,6	26,3	26,1	26,7	27,3	24,4	25,1	24,9	25,6	26,1
	12H	26,1	26,7	26,6	27,2	27,7	24,6	25,2	25,1	25,7	26,2
12H	4H	24,1	24,9	24,6	25,4	25,9	23,6	24,4	24,1	24,9	25,4
	6H	25,2	25,9	25,7	26,3	26,9	24,3	25,0	24,8	25,5	26,0
	8H	25,7	26,3	26,2	26,8	27,3	24,6	25,2	25,1	25,7	26,2

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1590, B = 87	H(C0) = 21, H(C90) = 21	H(C180) = 21, H(C270) = 21
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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°		9558.0	9544.8	9555.5	9643.3	9904.7	10311.5	10963.1	
50°		9220.8	9193.8	9208.3	9271.9	9500.7	9893.0	10618.5	
55°		8893.5	8849.9	8863.1	8889.6	9083.7	9446.3	10252.9	
60°		8543.5	8500.4	8496.8	8495.9	8651.6	8977.7	9822.6	
65°		8175.6	8129.8	8092.5	8067.0	8192.0	8464.9	9315.1	
70°		7757.0	7706.4	7598.7	7552.1	7621.8	7842.7	8689.8	
75°		7245.7	7181.1	7002.5	6893.9	6861.6	6990.0	7781.7	
80°		6649.3	6531.9	6330.6	6057.6	5871.5	5790.0	6426.7	
85°		6162.6	5997.7	5715.3	5302.6	4800.8	4290.6	4445.2	

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Leuchtdichten in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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