

Lichttechnischer Prüfbefund

Familie
Monsun® 31

Bestell-Nr.: 51FA207P460B
EAN: 4058352419540

LP-Nummer
59099_1



Ausführung diffus strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG
Bemessungswerte Nettolichtstrom = 6700 lm
 Systemleistung = 50.0 W
 Lichtausbeute = 134 lm/W

Seriendokumentation
24.11.2020

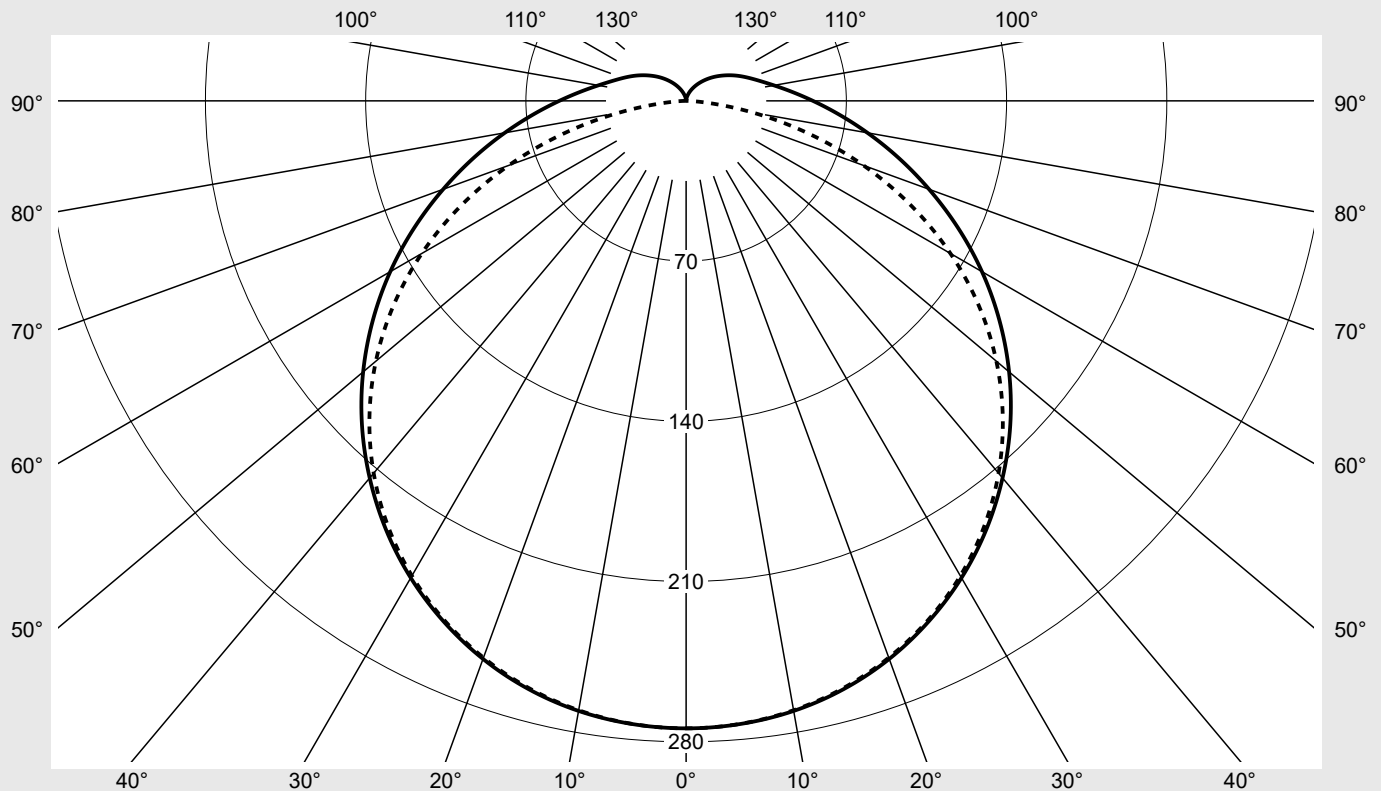
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 274 cd/klm



Klassifizierungen

DIN 5040 A 3 1
 CIE N1=42 N2=72 N3=91
 N4=91 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 91,5%
 ϕ_o 8,5%

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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	274.1	274.1	274.1	274.1	274.1	274.1	274.1	1.6	1.6
5°	273.2	273.3	273.2	273.2	273.2	273.2	273.2	13.1	14.7
10°	270.6	270.6	270.6	270.5	270.4	270.3	270.3	25.7	40.4
15°	266.0	266.0	266.0	266.0	265.8	265.6	265.6	37.7	78.2
20°	259.5	259.5	259.5	259.5	259.3	259.0	258.8	48.6	126.8
25°	250.9	251.0	251.0	251.1	250.9	250.5	250.2	58.1	184.9
30°	240.6	240.7	240.8	240.8	240.6	240.0	239.6	65.9	250.8
35°	228.6	228.7	228.8	228.8	228.4	227.6	227.0	71.8	322.6
40°	215.1	215.1	215.2	215.0	214.4	213.2	212.4	75.6	398.1
45°	200.3	200.3	200.1	199.6	198.6	196.9	195.7	77.1	475.2
50°	184.2	184.1	183.7	182.8	181.1	178.6	176.9	76.3	551.6
55°	167.1	166.9	166.1	164.5	161.9	158.4	156.2	73.3	624.9
60°	149.3	148.9	147.5	145.0	141.2	136.4	133.3	68.1	692.9
65°	131.0	130.3	128.2	124.6	119.3	112.8	108.7	60.9	753.8
70°	113.0	112.0	108.9	103.7	96.6	88.0	82.5	52.1	805.9
75°	96.0	94.7	90.5	83.5	74.0	62.9	55.7	42.5	848.4
80°	80.5	78.8	73.9	65.2	53.2	39.2	29.8	32.9	881.2
85°	66.8	65.0	59.5	50.0	36.5	20.0	8.7	24.5	905.7
90°	55.4	53.5	47.9	38.3	24.9	9.6	0.2	18.5	924.1
95°	46.2	44.4	39.0	30.1	18.3	6.1	0.2	14.7	938.8
100°	39.0	37.3	32.5	24.7	14.8	4.7	0.2	12.0	950.8
105°	33.5	32.0	27.8	21.0	12.5	3.8	0.2	10.1	960.9
110°	29.3	28.0	24.2	18.2	10.5	3.2	0.2	8.5	969.4
115°	25.7	24.5	21.1	15.7	9.0	2.7	0.2	7.1	976.5
120°	22.4	21.3	18.2	13.4	7.6	2.4	0.3	5.9	982.4
125°	19.2	18.3	15.6	11.4	6.4	2.1	0.3	4.8	987.1
130°	16.4	15.6	13.2	9.6	5.4	1.8	0.3	3.8	990.9
135°	13.7	13.0	11.0	8.0	4.4	1.6	0.3	2.9	993.8
140°	11.3	10.7	9.0	6.5	3.7	1.4	0.4	2.2	996.0
145°	9.1	8.6	7.2	5.2	3.0	1.2	0.4	1.6	997.5
150°	7.1	6.7	5.6	4.1	2.4	0.9	0.4	1.1	998.6
155°	5.3	5.0	4.2	3.0	1.8	0.8	0.4	0.7	999.3
160°	3.8	3.6	3.0	2.1	1.3	0.7	0.4	0.4	999.7
165°	2.4	2.3	1.9	1.4	0.9	0.5	0.4	0.2	999.9
170°	1.4	1.3	1.1	0.9	0.6	0.5	0.4	0.1	1000.0
175°	0.7	0.6	0.6	0.5	0.4	0.4	0.4	0.0	1000.0
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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	21,7	23,4	22,0	23,7	24,0	22,1	23,9	22,5	24,2	24,5
	3H	23,5	25,1	23,9	25,4	25,8	23,8	25,4	24,1	25,7	26,1
	4H	24,4	25,9	24,8	26,2	26,6	24,4	25,9	24,8	26,3	26,6
	6H	25,2	26,6	25,6	27,0	27,4	24,8	26,2	25,2	26,6	27,0
	8H	25,6	27,0	26,0	27,3	27,7	25,0	26,3	25,4	26,7	27,1
	12H	26,0	27,3	26,4	27,7	28,1	25,0	26,3	25,4	26,7	27,1
4H	2H	22,5	24,0	22,9	24,4	24,7	22,8	24,4	23,2	24,7	25,1
	3H	24,5	25,8	24,9	26,2	26,6	24,7	26,0	25,1	26,4	26,8
	4H	25,5	26,7	26,0	27,1	27,6	25,5	26,7	25,9	27,1	27,5
	6H	26,5	27,6	27,0	28,0	28,5	26,0	27,1	26,5	27,5	28,0
	8H	27,0	28,0	27,5	28,4	28,9	26,2	27,2	26,6	27,6	28,1
	12H	27,5	28,4	28,0	28,8	29,3	26,3	27,2	26,7	27,6	28,1
8H	4H	26,0	26,9	26,4	27,4	27,9	25,9	26,9	26,4	27,3	27,8
	6H	27,1	28,0	27,6	28,4	28,9	26,6	27,5	27,1	27,9	28,4
	8H	27,8	28,5	28,2	29,0	29,5	26,9	27,6	27,4	28,1	28,6
	12H	28,4	29,0	28,9	29,5	30,1	27,0	27,7	27,5	28,2	28,7
12H	4H	26,0	26,9	26,5	27,4	27,9	26,0	26,9	26,5	27,3	27,8
	6H	27,3	28,0	27,8	28,5	29,0	26,8	27,5	27,3	28,0	28,5
	8H	28,0	28,6	28,5	29,1	29,6	27,1	27,8	27,6	28,3	28,8

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1430 B = 64	H(C0) = 22	H(C180) = 22	H(C90) = 0	H(C270) = 0
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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°		15430.7	15564.9	15963.2	16627.4	17545.1	18718.0	20256.6	
50°		14881.6	15022.2	15443.4	16139.5	17115.9	18389.6	20150.0	
55°		14302.7	14450.4	14875.4	15582.1	16592.9	17941.3	19931.1	
60°		13697.9	13838.2	14247.6	14937.7	15934.5	17309.5	19521.9	
65°		13060.0	13182.1	13554.6	14183.3	15099.9	16411.4	18823.1	
70°		12435.4	12536.4	12821.2	13311.8	14037.8	15139.3	17652.6	
75°		11897.7	11957.6	12131.1	12383.7	12745.8	13354.7	15749.6	
80°		11500.4	11525.2	11583.8	11564.1	11351.4	10983.8	12578.9	
85°		11386.0	11388.2	11352.7	11108.0	10341.9	8328.4	7336.3	

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Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

