

Lichttechnischer Prüfbefund

Familie
Monsun® 12

Bestell-Nr.: 51FP20DP4B0Q
EAN: 4058352392393

LP-Nummer
59060_43



Ausführung Prismenwanne, opal, PC, breit strahlend
Bestückung LED 4000 K | CRI ≥ 80
Betriebsgerät EVG-DALI
Bemessungswerte Nettolichtstrom = 10950 lm
Systemleistung = 67.6 W
Lichtausbeute = 162 lm/W

Seriendokumentation
26.08.2020

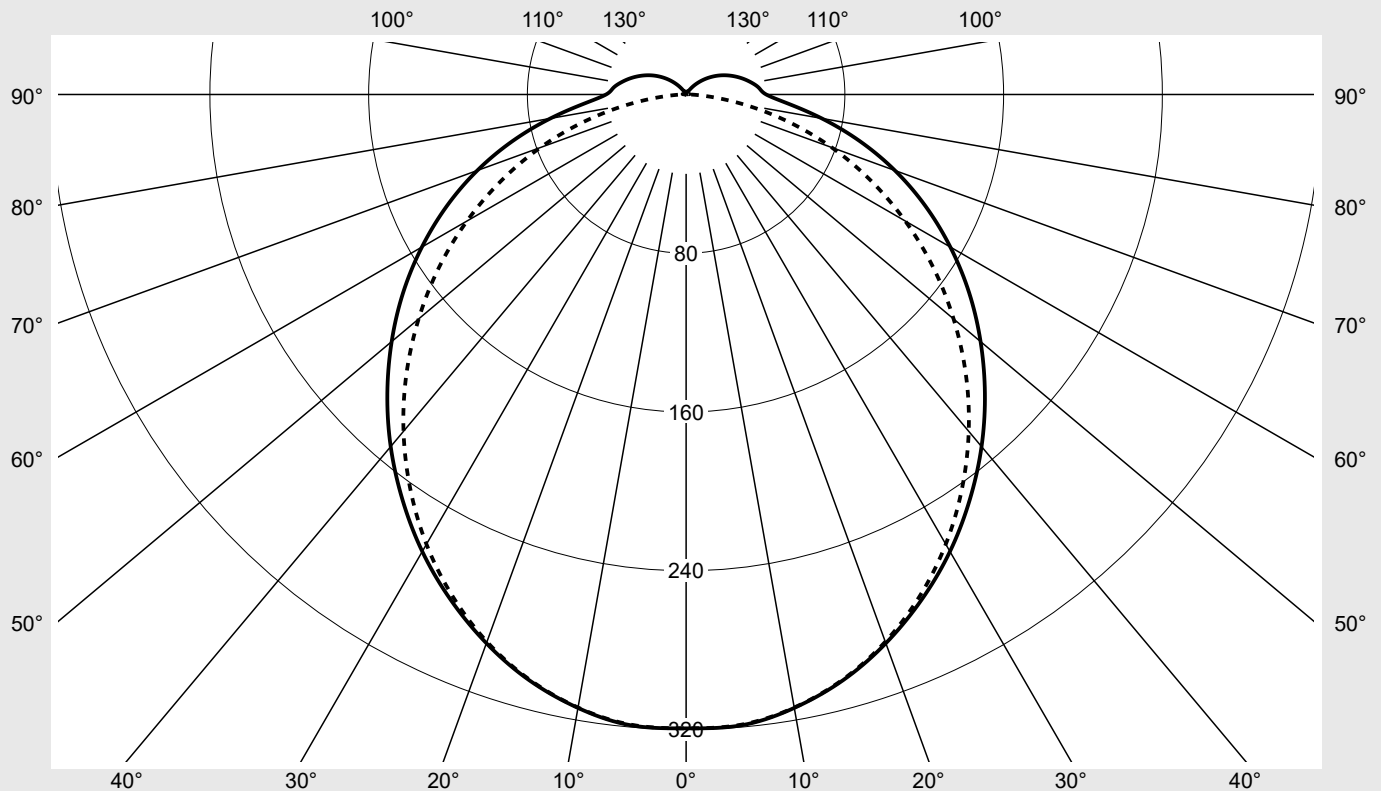
sitEco

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

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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	22,4	24,1	22,8	24,4	24,8	22,2	24,0	22,6	24,3	24,6
	3H	24,2	25,8	24,6	26,1	26,5	23,8	25,4	24,2	25,7	26,0
	4H	25,1	26,5	25,4	26,9	27,2	24,4	25,9	24,8	26,2	26,6
	6H	25,8	27,1	26,2	27,5	27,9	24,8	26,2	25,2	26,6	27,0
	8H	26,1	27,4	26,5	27,8	28,2	25,0	26,3	25,4	26,6	27,0
	12H	26,4	27,6	26,8	28,0	28,4	25,0	26,3	25,4	26,7	27,1
4H	2H	23,2	24,6	23,5	25,0	25,4	23,0	24,5	23,4	24,8	25,2
	3H	25,2	26,4	25,6	26,8	27,2	24,8	26,0	25,2	26,4	26,8
	4H	26,1	27,3	26,6	27,7	28,1	25,5	26,6	25,9	27,1	27,5
	6H	27,0	28,0	27,4	28,4	28,9	26,0	27,0	26,5	27,5	27,9
	8H	27,4	28,3	27,8	28,7	29,2	26,2	27,1	26,7	27,6	28,0
	12H	27,8	28,6	28,2	29,0	29,5	26,3	27,2	26,8	27,6	28,1
8H	4H	26,5	27,4	26,9	27,8	28,3	25,9	26,9	26,4	27,3	27,8
	6H	27,5	28,3	28,0	28,7	29,2	26,6	27,4	27,1	27,9	28,3
	8H	28,0	28,7	28,5	29,2	29,7	26,8	27,6	27,3	28,0	28,5
	12H	28,5	29,1	29,0	29,6	30,1	27,0	27,6	27,5	28,1	28,6
12H	4H	26,5	27,4	27,0	27,8	28,3	26,0	26,8	26,5	27,3	27,8
	6H	27,6	28,3	28,1	28,8	29,3	26,8	27,4	27,3	27,9	28,4
	8H	28,1	28,7	28,6	29,2	29,8	27,0	27,6	27,6	28,1	28,7

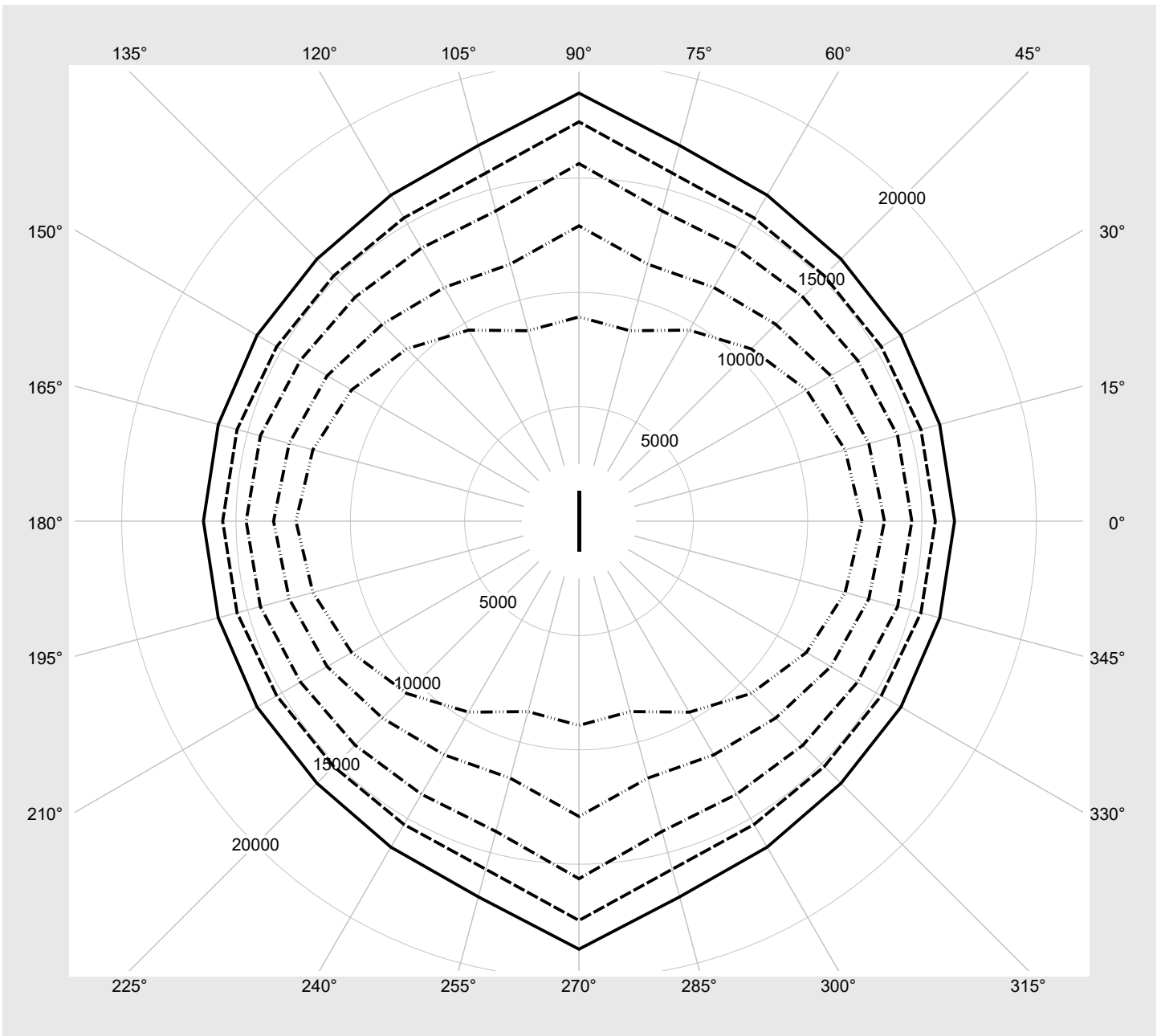
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1590, B = 87	H(C0) = 21, H(C90) = 21	H(C180) = 21, H(C270) = 21
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C-Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		19203.7	19177.2	19198.7	19375.1	19900.3	20717.5	22026.8	
50°		18526.3	18472.0	18501.1	18628.8	19088.6	19876.7	21334.4	
55°		17868.5	17780.9	17807.5	17860.7	18250.8	18979.2	20599.8	
60°		17165.5	17078.7	17071.6	17069.7	17382.6	18037.8	19735.4	
65°		16426.2	16334.2	16259.3	16208.0	16459.1	17007.4	18715.7	
70°		15585.2	15483.5	15267.1	15173.5	15313.5	15757.3	17459.4	
75°		14557.9	14428.1	14069.3	13851.0	13786.2	14044.2	15634.9	
80°		13359.5	13123.8	12719.4	12170.8	11796.8	11633.0	12912.3	
85°		12381.8	12050.5	11483.0	10653.9	9645.7	8620.5	8931.2	

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



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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	10950	67.6
95	241	252	10417	64.1
90	227	250	9840	60.4
85	214	248	9298	57.0
80	201	245	8754	53.6
75	188	243	8205	50.1
70	175	240	7652	46.8
65	162	238	7097	43.3
60	150	235	6581	40.3
55	137	231	6018	37.1
50	124	228	5455	33.6
45	112	224	4929	30.6
40	100	220	4399	27.5
35	87	215	3822	24.2
30	75	209	3286	21.1
25	63	203	2746	18.1
20	51	195	2204	15.0
15	39	185	1658	12.0
10	27	172	1110	9.0
5	15	150	558	5.9
1	5	110	97	3.3