

Lichttechnischer Prüfbefund

Familie
Mirrortec® LED



Bestell-Nr.: 5NW14093QB + 5XA7682G3H2AC
EAN: 4039806568465 + 4058352223734

LP-Nummer
58027_12

Ausführung SMR100A 900x900, 3 St. Einseil-Abhänger,
FL20 midi power RS5

Bestückung LED 5000 K | CRI ≥ 70

Betriebsgerät EVG-DALI

Einstellung indiv. Einstellung: Abstand Fluter Spiegel =
2,5m / Spiegelneigung = 0°

Bemessungswerte Nettolichtstrom = 34710 lm
Systemleistung = 305.7 W
Lichtausbeute = 113.5 lm/W

Seriendokumentation
16.12.2020

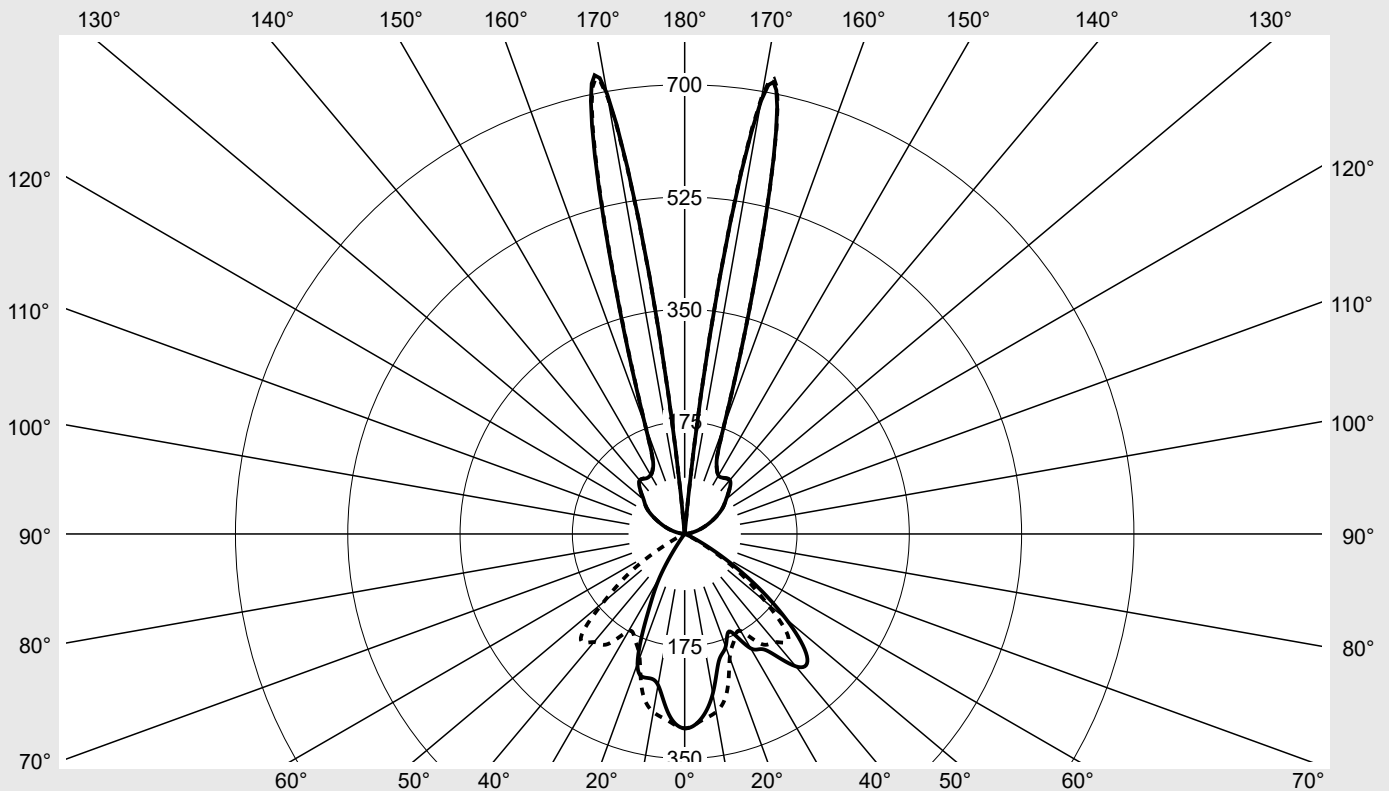
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 696 cd/klm



Klassifizierungen

DIN 5040 C 5 4
CIE N1=55 N2=94 N3=100
N4=55 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 55,3%
 ϕ_o 44,7%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	302.9	302.9	302.9	302.9	302.9	302.9	302.9
5°	289.5	293.0	291.6	298.0	301.7	298.9	292.3
10°	252.4	259.6	264.7	277.6	272.5	269.5	281.7
15°	205.4	215.1	222.1	232.9	245.3	242.4	254.5
20°	186.8	172.9	182.6	189.2	191.3	190.3	205.3
25°	167.7	173.4	173.9	174.0	180.2	171.7	182.7
30°	205.8	190.6	186.0	184.9	182.2	187.5	174.6
35°	221.1	222.4	221.1	210.9	214.0	211.4	209.6
40°	269.2	279.7	262.3	254.1	258.8	246.7	219.9
45°	269.4	272.4	308.0	330.6	278.3	244.6	228.8
50°	206.3	249.5	303.5	359.6	259.8	190.4	164.8
55°	125.0	146.3	229.2	294.1	184.1	114.9	102.9
60°	53.7	69.0	125.1	203.1	105.9	48.3	38.1
65°	14.2	20.7	61.8	115.1	42.4	12.2	6.7
70°	0.2	2.7	19.8	52.5	12.5	1.3	0.0
75°	0.0	0.0	5.1	21.8	3.2	0.0	0.0
80°	0.0	0.0	0.6	6.7	0.1	0.0	0.0
85°	0.0	0.0	0.1	2.9	0.1	0.0	0.0
90°	0.2	0.2	0.2	0.4	0.2	0.2	0.2
95°	2.8	2.8	2.8	2.8	2.8	2.8	2.8
100°	10.2	10.3	10.1	10.1	10.2	10.2	10.2
105°	20.6	20.8	20.6	20.7	20.6	20.7	20.8
110°	32.1	32.1	32.5	32.2	32.2	32.3	32.2
115°	45.4	44.9	45.4	45.3	45.2	45.2	45.2
120°	59.3	59.6	60.0	59.8	59.8	59.2	60.0
125°	73.3	72.7	72.6	73.4	73.2	72.3	72.9
130°	84.5	85.4	85.2	85.0	84.9	84.9	84.3
135°	98.9	98.5	98.0	97.8	97.8	97.8	98.6
140°	109.6	108.7	108.4	108.5	108.3	108.3	108.6
145°	106.8	106.1	106.1	106.7	104.6	106.3	106.3
150°	105.2	106.5	106.4	105.5	105.7	105.4	105.4
155°	117.8	117.0	117.0	118.3	117.6	117.4	117.5
160°	178.0	178.1	179.4	178.1	178.3	177.4	178.3
165°	450.0	451.0	438.9	354.5	440.3	451.1	449.5
170°	685.2	515.5	165.1	13.6	168.4	520.3	691.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	302.9	302.9	302.9	302.9	302.9	302.9	1.8	1.8
5°	289.5	294.5	292.6	290.2	278.8	282.3	14.0	15.8
10°	291.8	293.4	288.9	265.7	245.8	238.9	25.8	41.6
15°	255.3	277.7	272.6	257.8	226.2	232.0	34.5	76.1
20°	216.9	234.1	243.5	238.5	222.1	215.0	38.9	115.0
25°	182.8	202.9	218.7	194.2	148.6	135.7	41.6	156.6
30°	193.8	185.0	164.2	112.4	72.6	77.6	45.1	201.7
35°	216.3	195.8	129.2	61.0	26.0	16.5	53.4	255.1
40°	234.7	193.2	78.1	19.9	4.5	1.7	64.2	319.3
45°	246.8	162.6	39.2	2.1	0.0	0.0	72.6	391.9
50°	182.5	105.0	9.1	0.0	0.1	0.6	67.5	459.4
55°	108.2	58.6	0.8	0.0	0.3	0.0	48.7	508.1
60°	46.2	23.2	0.1	0.0	0.3	0.0	27.1	535.2
65°	12.8	7.5	0.0	0.0	0.3	0.3	11.9	547.1
70°	1.2	1.3	0.1	0.0	0.0	0.0	3.9	551.0
75°	0.0	0.3	0.0	0.1	0.0	0.0	1.3	552.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	552.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	552.8
90°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	552.9
95°	2.8	2.8	2.8	2.8	2.8	2.8	1.5	554.5
100°	10.0	10.2	10.2	10.2	10.3	10.2	5.5	560.0
105°	20.7	20.7	20.6	20.7	20.7	20.6	10.9	570.9
110°	32.5	32.2	32.3	32.2	32.2	32.5	16.6	587.5
115°	45.5	45.0	45.0	45.1	45.3	45.2	22.5	610.0
120°	59.7	59.7	59.6	59.7	59.9	60.0	28.4	638.3
125°	73.2	73.1	73.6	72.6	73.0	73.5	32.8	671.1
130°	85.4	85.1	84.1	85.2	84.7	83.4	35.6	706.7
135°	98.6	98.4	98.3	98.1	98.4	98.1	38.1	744.8
140°	108.0	108.1	108.0	108.6	108.6	109.1	38.2	783.0
145°	106.3	105.5	106.2	106.2	107.0	105.6	33.4	816.4
150°	105.7	106.3	105.1	106.0	106.4	106.2	29.0	845.4
155°	117.9	117.0	118.3	117.2	117.2	116.1	27.2	872.6
160°	177.8	178.8	178.7	179.1	179.3	178.9	33.5	906.1
165°	453.6	443.3	353.5	437.4	446.6	454.6	61.1	967.2
170°	511.0	165.8	13.7	166.2	520.2	696.2	32.8	1000.0
175°	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	1000.0

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
2H	2H	20,0	20,9	20,8	21,8	22,9	17,7	18,6	18,6	19,5	20,6
	3H	20,9	21,8	21,6	22,6	23,5	18,6	19,5	19,4	20,3	21,3
	4H	19,6	20,4	20,5	21,3	22,5	17,3	18,1	18,3	19,0	20,2
	6H	19,9	20,6	20,8	21,5	22,7	17,6	18,4	18,5	19,2	20,4
	8H	19,4	20,0	20,3	21,0	22,2	17,1	17,7	18,1	18,7	19,9
	12H	19,7	20,4	20,6	21,3	22,5	17,5	18,1	18,4	19,0	20,2
4H	2H	20,5	21,3	21,5	22,2	23,4	18,2	19,0	19,1	19,9	21,1
	3H	20,4	21,0	21,3	22,0	23,2	18,0	18,7	19,0	19,6	20,8
	4H	20,3	20,8	21,2	21,8	23,0	17,9	18,5	18,9	19,4	20,7
	6H	20,6	21,1	21,5	22,0	23,2	18,2	18,7	19,2	19,7	20,9
	8H	20,0	20,5	21,0	21,5	22,7	17,7	18,1	18,7	19,1	20,4
	12H	20,4	20,8	21,4	21,8	23,0	18,1	18,5	19,0	19,4	20,7
8H	4H	20,1	20,5	21,1	21,5	22,8	17,8	18,2	18,8	19,2	20,5
	6H	20,0	20,3	21,0	21,3	22,6	17,7	18,0	18,7	19,0	20,3
	8H	19,9	20,2	20,9	21,2	22,6	17,6	17,9	18,6	18,9	20,2
	12H	20,3	20,6	21,3	21,6	22,8	18,0	18,2	19,0	19,2	20,5
12H	4H	20,5	20,9	21,4	21,8	23,0	18,1	18,5	19,1	19,5	20,7
	6H	20,4	20,7	21,3	21,7	22,9	18,0	18,4	19,0	19,3	20,6
	8H	20,3	20,6	21,3	21,6	22,8	18,0	18,3	19,0	19,2	20,5

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$											
		Lichttechnische Abmessungen in mm:										L = 900 B = 900	
C-Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Leuchtdichte in cd/m ²												
45°	16328.2	16509.8	18665.6	20037.2	16863.6	14821.7	13866.3	14959.0	9854.4	2374.7	124.8	0.0	0.0
50°	13754.3	16636.1	20234.8	23975.8	17320.1	12691.3	10987.2	12164.4	7001.0	609.4	0.0	4.9	42.3
55°	9340.1	10929.7	17123.6	21969.3	13752.2	8581.7	7691.2	8084.1	4375.2	56.3	0.0	18.8	0.0
60°	4600.8	5914.8	10722.8	17406.4	9078.9	4140.6	3266.2	3955.2	1984.3	6.3	0.0	28.0	0.0
65°	1438.8	2101.7	6270.7	11670.7	4301.4	1238.2	675.0	1299.3	756.6	0.0	0.0	25.6	33.2
70°	21.4	339.5	2474.5	6572.5	1566.0	166.0	0.0	146.6	159.1	9.1	0.0	0.0	0.0
75°	0.0	0.0	849.9	3609.2	524.5	0.0	0.0	0.0	44.5	0.0	12.1	0.0	0.0
80°	0.0	0.0	157.2	1658.8	26.7	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0
85°	0.0	0.0	39.8	1439.1	26.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

