

Lichttechnischer Prüfbefund

Familie
Mirrortec® LED

Bestell-Nr.: 5NW14093QB + 5XA7682G2H2AC
EAN: 4039806568465 + 4058352223710

LP-Nummer
58026_10



Ausführung SMR100A 900x900, 3 St. Einseil-Abhänger, FL20 midi power RS5
Bestückung LED 4000 K | CRI ≥ 70
Betriebsgerät EVG-DALI
Einstellung indiv. Einstellung: Abstand Fluter Spiegel = 2,0m / Spiegelneigung = 5°
Bemessungswerte Nettolichtstrom = 33560 lm
Systemleistung = 305.7 W
Lichtausbeute = 109.8 lm/W

Seriendokumentation
16.12.2020

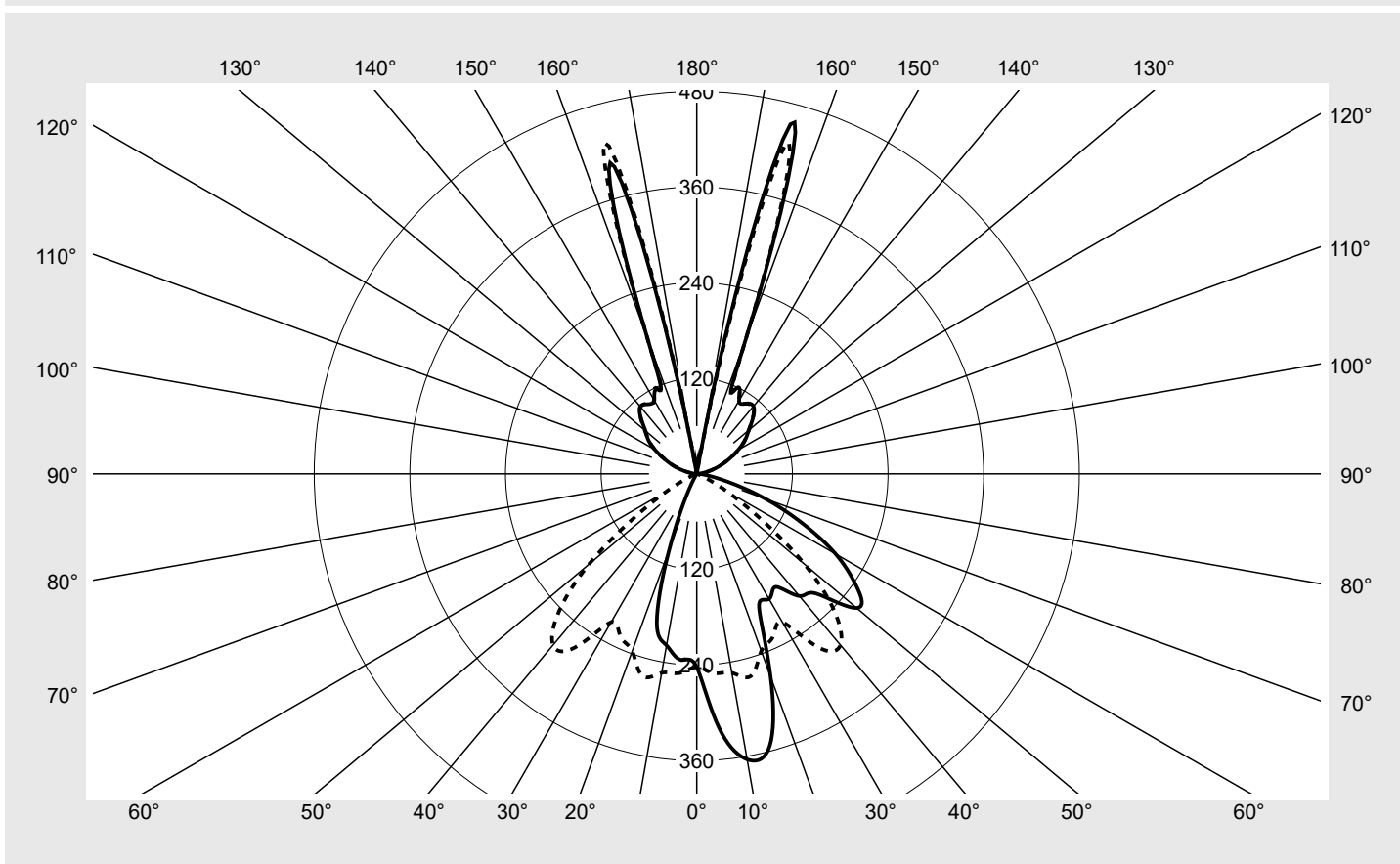
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 454 cd/klm



Klassifizierungen

DIN 5040 B 4 3
CIE N1=47 N2=83 N3=98
N4=60 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 60,5%
 ϕ_o 39,5%

Messbedingungen

DIN EN 13032 und DIN 5032

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	242.6	242.6	242.6	242.6	242.6	242.6	242.6
5°	319.8	314.2	290.7	275.3	266.3	258.2	251.0
10°	363.9	366.1	361.2	333.2	298.1	263.4	253.6
15°	353.7	352.2	335.4	310.0	279.2	259.3	262.8
20°	270.9	268.1	270.6	255.5	231.7	223.0	236.7
25°	185.0	195.8	196.2	206.3	203.2	215.7	225.9
30°	181.4	176.2	168.6	189.2	188.7	205.0	215.0
35°	173.2	181.0	181.3	189.2	204.3	225.9	265.7
40°	200.2	197.6	198.2	209.6	243.6	265.8	280.5
45°	212.7	218.6	240.8	251.6	266.1	261.9	244.6
50°	262.0	261.3	272.7	295.6	273.9	218.1	176.5
55°	243.9	272.1	319.7	301.1	219.5	129.9	95.2
60°	201.2	224.5	297.3	302.7	156.4	73.8	42.6
65°	145.2	176.1	251.0	235.9	91.6	27.7	12.9
70°	91.8	101.0	170.9	154.0	47.2	8.0	2.4
75°	44.9	56.7	100.9	86.0	17.2	2.1	0.0
80°	18.6	23.4	44.4	45.4	5.4	0.0	0.0
85°	6.9	7.3	22.4	22.2	1.7	0.0	0.0
90°	1.9	2.4	9.8	8.8	0.5	0.2	0.2
95°	2.9	3.1	3.1	3.0	2.8	2.8	2.8
100°	10.3	10.4	10.2	10.2	10.3	10.3	10.3
105°	20.8	21.0	20.8	20.9	20.8	20.9	21.0
110°	32.5	32.5	32.8	32.5	32.5	32.6	32.5
115°	45.8	45.4	45.9	45.7	45.7	45.6	45.6
120°	59.9	60.2	60.6	60.4	60.4	59.8	60.6
125°	74.0	73.4	73.3	74.1	73.9	73.0	73.6
130°	85.3	86.2	86.0	85.8	85.8	85.7	85.1
135°	99.8	99.4	99.0	98.7	98.7	98.7	99.5
140°	110.6	109.7	109.5	109.5	109.3	109.4	109.7
145°	107.8	107.1	107.1	107.7	105.6	107.3	107.4
150°	106.2	107.5	107.4	106.5	106.7	106.4	106.4
155°	119.0	118.1	118.1	119.4	118.8	118.6	118.6
160°	179.7	179.8	181.1	179.8	180.0	179.1	180.1
165°	454.3	398.1	231.9	80.2	215.1	368.2	425.8
170°	15.4	6.9	0.0	0.0	0.0	0.3	0.0
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°	242.6	242.6	242.6	242.6	242.6	242.6	1.5	1.5
5°	238.0	231.9	233.6	232.6	233.9	234.2	12.4	13.8
10°	243.7	238.1	236.5	231.3	214.6	218.6	26.4	40.2
15°	248.9	261.9	238.5	202.1	187.8	193.6	38.0	78.2
20°	254.5	255.5	213.8	154.4	124.6	100.4	41.8	120.0
25°	244.7	214.3	150.5	76.3	42.5	32.5	40.2	160.1
30°	229.0	165.3	74.1	24.9	9.0	5.6	39.7	199.8
35°	235.1	122.7	26.8	3.3	0.3	0.2	45.1	245.0
40°	231.1	69.0	13.1	1.1	0.1	0.0	53.1	298.1
45°	176.5	41.9	7.3	3.0	1.6	1.3	58.8	356.9
50°	118.7	15.0	1.0	0.6	0.2	0.0	61.7	418.6
55°	57.4	3.9	0.3	0.0	0.2	0.6	56.9	475.6
60°	24.2	1.3	0.0	0.0	0.4	0.4	48.4	524.0
65°	7.2	0.2	0.2	0.4	0.0	0.1	36.3	560.3
70°	1.3	0.0	0.0	0.0	0.0	0.3	22.8	583.1
75°	0.2	0.0	0.0	0.0	0.0	0.1	12.6	595.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	5.8	601.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	604.0
90°	0.2	0.2	0.2	0.2	0.2	0.2	1.1	605.1
95°	2.8	2.8	2.8	2.8	2.8	2.8	1.6	606.7
100°	10.1	10.3	10.3	10.3	10.4	10.3	5.5	612.2
105°	20.9	20.9	20.8	20.9	20.9	20.8	11.1	623.3
110°	32.8	32.5	32.6	32.5	32.5	32.8	16.8	640.0
115°	45.9	45.4	45.4	45.5	45.8	45.6	22.7	662.7
120°	60.2	60.3	60.1	60.3	60.5	60.5	28.6	691.3
125°	73.9	73.8	74.3	73.3	73.8	74.2	33.1	724.4
130°	86.2	85.9	84.9	86.0	85.5	84.2	36.0	760.4
135°	99.6	99.3	99.3	99.0	99.4	99.0	38.4	798.8
140°	109.0	109.1	109.0	109.6	109.6	110.2	38.6	837.4
145°	107.3	106.5	107.2	107.2	108.1	106.7	33.7	871.1
150°	106.7	107.3	106.1	107.0	107.4	107.3	29.3	900.4
155°	119.0	118.1	119.5	118.3	118.3	117.2	27.5	927.9
160°	179.5	180.5	178.2	180.8	181.0	180.6	33.7	961.6
165°	351.5	186.7	44.2	180.3	326.9	398.9	38.3	999.9
170°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	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
		siteco

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	
Raumabmessungen	Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)					
x	y										
2H	2H	23,4	24,5	24,2	25,3	26,3	18,0	19,1	18,8	19,9	20,9
	3H	24,9	25,9	25,6	26,7	27,6	18,3	19,3	19,1	20,1	21,0
	4H	24,5	25,4	25,4	26,3	27,3	17,7	18,6	18,5	19,4	20,5
	6H	24,4	25,1	25,2	26,0	27,1	17,4	18,2	18,3	19,1	20,2
	8H	24,4	25,2	25,3	26,1	27,2	17,5	18,2	18,3	19,1	20,2
	12H	24,2	24,9	25,1	25,8	27,0	17,3	17,9	18,1	18,8	20,0
4H	2H	24,4	25,3	25,2	26,1	27,2	20,0	20,9	20,8	21,7	22,8
	3H	25,8	26,5	26,6	27,4	28,5	20,0	20,7	20,9	21,6	22,7
	4H	26,0	26,7	26,9	27,6	28,7	19,9	20,6	20,8	21,4	22,5
	6H	25,9	26,5	26,8	27,4	28,5	19,6	20,2	20,5	21,1	22,2
	8H	26,0	26,5	26,9	27,4	28,6	19,7	20,2	20,6	21,1	22,3
	12H	25,8	26,3	26,8	27,2	28,4	19,5	19,9	20,4	20,9	22,0
8H	4H	26,1	26,7	27,0	27,6	28,7	20,6	21,1	21,5	22,0	23,1
	6H	26,3	26,7	27,2	27,7	28,8	20,5	20,9	21,4	21,8	23,0
	8H	26,3	26,7	27,3	27,6	28,8	20,4	20,8	21,4	21,8	22,9
	12H	26,2	26,5	27,1	27,4	28,6	20,2	20,5	21,2	21,5	22,7
12H	4H	25,9	26,4	26,9	27,3	28,5	20,4	20,9	21,4	21,8	23,0
	6H	26,2	26,5	27,1	27,5	28,7	20,5	20,8	21,4	21,8	23,0
	8H	26,2	26,5	27,2	27,5	28,7	20,4	20,7	21,4	21,7	22,9

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/m²												
45°	12464.8	12806.0	14110.6	14742.1	15590.4	15344.8	14332.9	10342.5	2455.3	426.6	178.2	92.0	75.9
50°	16890.2	16844.8	17576.2	19050.2	17651.8	14057.3	11379.8	7648.5	966.1	61.7	36.0	13.3	0.0
55°	17619.9	19655.9	23093.9	21747.0	15857.1	9385.5	6876.2	4146.0	284.2	22.2	0.4	11.9	40.1
60°	16675.6	18600.4	24636.7	25081.8	12961.5	6118.9	3530.8	2002.2	108.8	0.0	0.0	33.6	29.3
65°	14233.6	17260.5	24608.7	23124.9	8984.5	2719.8	1260.1	701.8	20.6	18.4	40.9	0.0	5.8
70°	11119.1	12236.4	20707.0	18659.6	5714.7	974.3	288.9	163.3	2.8	0.0	0.0	0.0	40.0
75°	7185.1	9080.8	16149.3	13772.0	2759.8	336.8	0.0	28.7	0.0	0.0	0.0	0.0	23.5
80°	4426.0	5593.2	10586.1	10835.2	1291.3	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
85°	3283.4	3476.0	10632.3	10556.3	821.0	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°
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