

## Lichttechnischer Prüfbefund

Familie  
Mirrortec® LED

Bestell-Nr.: 5NW14093QC + 5XA7682G2H2AC  
EAN: 4039806568489 + 4058352223710

LP-Nummer  
58034\_10



**Ausführung** SMR100A 1200x1200, 3 St. Einseil-Abhänger, FL20 midi power RS5

**Bestückung** LED 4000 K | CRI ≥ 70

**Betriebsgerät** EVG-DALI

**Einstellung** indiv. Einstellung: Abstand Fluter Spiegel = 3,5m / Spiegelneigung = 5°

**Bemessungswerte** Nettolichtstrom = 33940 lm  
Systemleistung = 305.7 W  
Lichtausbeute = 111 lm/W

Seriendokumentation  
16.12.2020

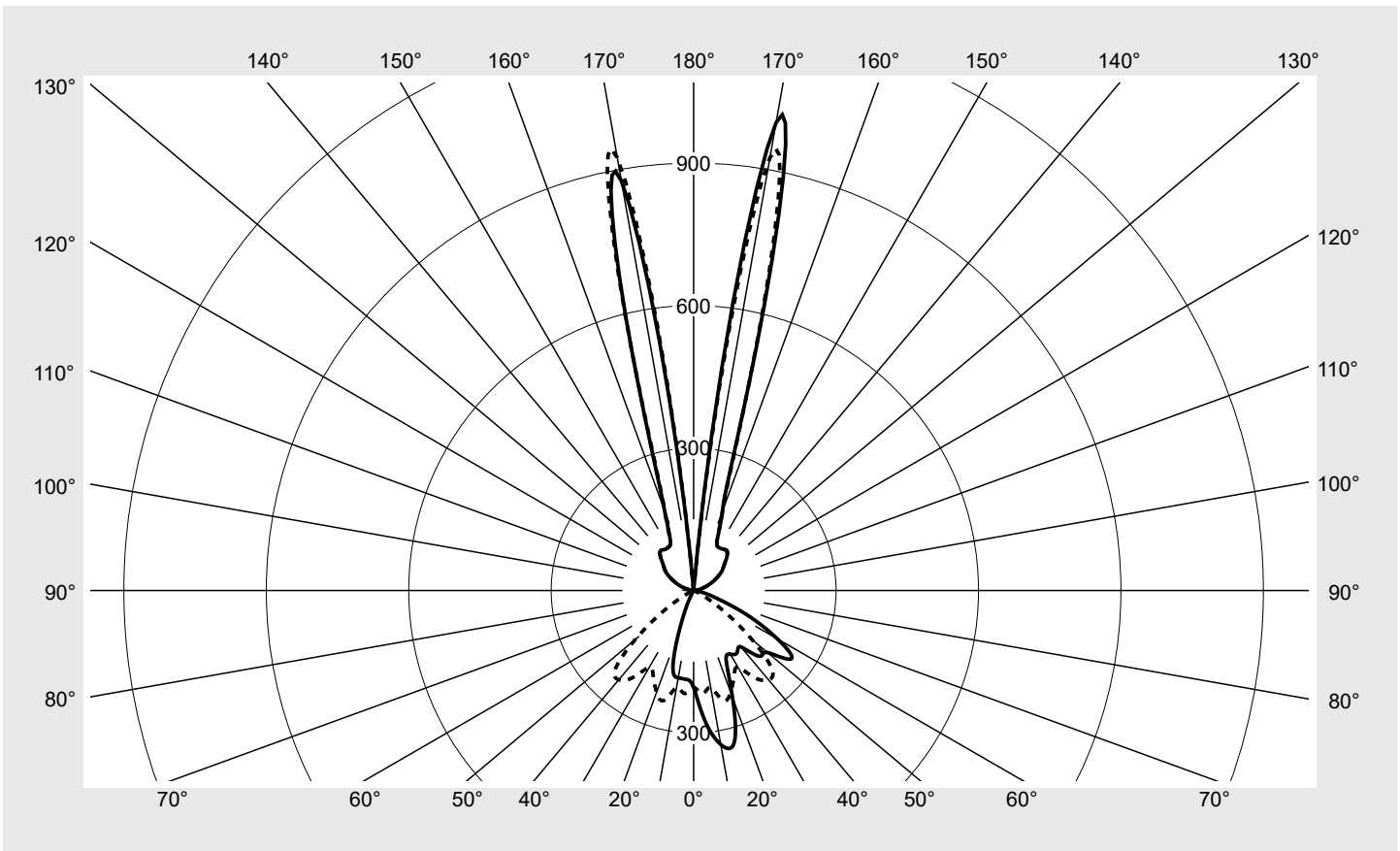
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 1001 cd/klm



## Klassifizierungen

DIN 5040 C 4 4  
CIE N1=47 N2=83 N3=98  
N4=53 N5=100

## Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  53,4%  
 $\phi_o$  46,6%

## Messbedingungen

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
<b>siteco</b>		

C- Ebenen	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Lichtstärke in cd/klm						
0°	204.1	204.1	204.1	204.1	204.1	204.1	204.1
5°	275.7	268.7	264.5	259.9	232.3	221.8	217.7
10°	329.2	326.0	303.2	286.3	259.5	223.8	207.4
15°	330.9	319.7	297.7	275.7	246.9	236.7	239.4
20°	239.2	230.8	233.5	212.0	200.2	206.0	228.0
25°	162.3	175.1	171.0	182.5	178.3	180.1	200.8
30°	155.0	152.0	158.1	150.6	174.7	160.7	186.7
35°	159.7	156.1	163.8	168.8	182.3	197.4	223.9
40°	155.2	158.5	178.8	185.5	201.8	229.8	245.3
45°	195.7	194.8	205.4	226.1	235.1	224.3	232.8
50°	203.1	225.8	252.0	272.1	233.2	187.4	159.8
55°	250.9	249.2	284.8	297.0	192.8	121.2	86.0
60°	203.6	227.4	278.0	282.1	135.4	63.8	33.0
65°	130.7	154.4	242.5	198.2	77.4	22.5	7.5
70°	63.5	88.8	156.6	138.2	36.8	2.5	0.0
75°	31.4	41.9	89.1	76.6	13.2	0.0	0.0
80°	9.5	16.2	43.8	37.2	2.6	0.0	0.0
85°	3.3	5.5	17.7	19.2	0.4	0.0	0.0
90°	0.2	1.0	6.0	5.6	0.2	0.2	0.2
95°	2.8	2.8	3.5	2.9	2.8	2.8	2.8
100°	10.2	10.2	10.1	10.1	10.2	10.1	10.2
105°	20.6	20.7	20.6	20.7	20.6	20.6	20.8
110°	32.1	32.1	32.4	32.1	32.1	32.2	32.1
115°	45.3	44.9	45.3	45.2	45.1	45.1	45.1
120°	59.2	59.5	59.9	59.7	59.7	59.1	59.9
125°	73.2	72.6	72.4	73.3	73.1	72.2	72.8
130°	84.3	85.2	85.1	84.9	84.8	84.8	84.2
135°	98.7	98.3	97.8	97.6	97.6	97.6	98.4
140°	109.4	108.5	108.3	108.3	108.1	108.1	108.4
145°	106.6	105.9	105.9	106.5	104.4	106.1	106.1
150°	105.0	106.3	106.2	105.3	105.5	105.2	105.2
155°	117.6	116.8	116.8	118.1	117.4	117.2	117.3
160°	177.7	177.8	179.0	177.8	178.0	177.1	178.0
165°	449.2	450.2	450.5	428.6	452.1	450.3	448.7
170°	1000.6	840.1	387.0	73.7	348.6	778.2	925.6
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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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sITeco</b>

C- Ebenen	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-Zone	Summe Phi-Zone
$\gamma$	Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	204.1	204.1	204.1	204.1	204.1	204.1	1.2	1.2
5°	204.0	202.9	201.6	199.8	197.2	187.7	10.8	12.0
10°	204.3	206.2	205.3	202.7	195.2	186.5	22.8	34.8
15°	229.1	220.3	211.8	197.9	174.5	168.6	34.3	69.1
20°	242.4	236.8	190.3	133.9	97.6	85.0	37.1	106.2
25°	226.0	195.9	122.9	62.0	35.9	29.1	35.3	141.4
30°	214.7	145.1	64.6	16.4	3.5	0.6	34.4	175.8
35°	208.7	97.0	18.9	0.4	0.0	0.0	39.2	215.0
40°	194.5	61.7	7.6	0.6	0.0	0.0	45.3	260.3
45°	168.6	29.0	3.9	1.4	0.4	0.1	52.3	312.6
50°	108.8	8.3	0.0	0.5	0.0	0.0	54.2	366.8
55°	56.4	0.6	0.0	0.0	0.3	0.0	52.9	419.7
60°	17.4	0.0	0.0	0.0	0.3	0.0	45.1	464.8
65°	4.3	0.0	0.0	0.0	0.3	0.0	32.0	496.7
70°	0.1	0.0	0.0	0.2	0.4	0.0	19.5	516.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	10.4	526.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	531.4
85°	0.0	0.0	0.0	0.2	0.0	0.0	2.0	533.5
90°	0.2	0.2	0.2	0.2	0.2	0.2	0.7	534.1
95°	2.8	2.8	2.8	2.8	2.8	2.8	1.6	535.7
100°	10.0	10.2	10.2	10.2	10.2	10.2	5.5	541.2
105°	20.6	20.6	20.6	20.7	20.6	20.5	10.9	552.1
110°	32.4	32.2	32.2	32.2	32.1	32.5	16.6	568.7
115°	45.4	44.9	44.9	45.0	45.2	45.1	22.4	591.1
120°	59.6	59.6	59.5	59.6	59.8	59.9	28.3	619.4
125°	73.1	73.0	73.5	72.4	72.9	73.4	32.7	652.1
130°	85.3	84.9	83.9	85.1	84.6	83.2	35.6	687.7
135°	98.4	98.2	98.1	97.9	98.3	97.9	38.0	725.7
140°	107.8	107.9	107.8	108.4	108.4	109.0	38.1	763.8
145°	106.1	105.3	106.0	106.0	106.9	105.5	33.3	797.1
150°	105.5	106.1	104.9	105.8	106.2	106.1	29.0	826.1
155°	117.7	116.8	118.1	117.0	117.0	115.9	27.2	853.3
160°	177.5	178.5	178.3	178.8	178.9	178.6	33.4	886.7
165°	452.8	452.1	396.3	446.7	445.8	453.8	63.0	949.6
170°	734.3	296.4	44.7	278.2	702.5	875.9	50.3	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										
2H	2H	20,5	21,5	21,4	22,4	23,6	14,7	15,7	15,6	16,6	17,7
	3H	22,6	23,6	23,3	24,4	25,3	15,8	16,8	16,5	17,5	18,5
	4H	21,4	22,2	22,3	23,1	24,3	14,4	15,2	15,3	16,1	17,3
	6H	21,9	22,6	22,7	23,5	24,7	14,8	15,6	15,7	16,5	17,6
	8H	21,2	21,9	22,2	22,8	24,1	14,2	14,8	15,1	15,8	17,1
	12H	21,7	22,4	22,6	23,3	24,5	14,6	15,3	15,6	16,2	17,4
4H	2H	21,4	22,2	22,4	23,2	24,4	16,7	17,5	17,7	18,5	19,7
	3H	22,7	23,3	23,6	24,3	25,6	16,7	17,4	17,7	18,3	19,6
	4H	22,9	23,5	23,8	24,4	25,7	16,6	17,2	17,6	18,2	19,4
	6H	23,4	23,9	24,3	24,9	26,1	17,0	17,6	18,0	18,5	19,7
	8H	22,8	23,2	23,8	24,2	25,5	16,4	16,9	17,4	17,9	19,2
	12H	23,3	23,7	24,2	24,7	25,9	16,9	17,3	17,8	18,3	19,5
8H	4H	23,0	23,4	23,9	24,4	25,7	17,3	17,7	18,3	18,7	20,0
	6H	23,1	23,5	24,1	24,5	25,8	17,2	17,6	18,2	18,6	19,9
	8H	23,1	23,4	24,1	24,5	25,8	17,1	17,5	18,2	18,5	19,8
	12H	23,6	23,9	24,6	24,9	26,2	17,6	17,9	18,6	18,9	20,2
12H	4H	23,4	23,9	24,4	24,8	26,1	17,9	18,3	18,8	19,3	20,5
	6H	23,6	24,0	24,6	25,0	26,2	17,9	18,2	18,8	19,2	20,4
	8H	23,7	24,0	24,7	25,0	26,2	17,8	18,1	18,8	19,1	20,4

Leuchtdichten-Tabelle		Lichttechnische Abmessungen in mm: L = 1200 B = 1200											
		Max. für $\gamma \geq 65^\circ$											
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°
$\gamma$	Leuchtdichte in cd/m²												
45°	6524.4	6494.0	6844.8	7535.0	7835.8	7474.8	7760.4	5619.1	968.1	131.4	47.9	14.0	2.2
50°	7448.1	8279.3	9239.8	9977.8	8552.5	6870.4	5860.5	3988.4	303.3	1.0	18.4	0.0	0.0
55°	10311.8	10238.3	11702.9	12202.4	7921.4	4980.3	3533.4	2315.7	26.3	0.0	0.0	10.3	0.0
60°	9597.4	10719.9	13103.0	13299.5	6381.4	3005.6	1554.2	820.9	1.3	0.0	1.1	14.9	0.0
65°	7289.1	8613.6	13524.6	11054.2	4313.9	1252.7	418.2	237.5	0.0	0.0	0.0	14.0	0.0
70°	4375.6	6117.8	10792.2	9526.3	2536.5	174.0	0.0	7.4	0.0	2.3	11.2	28.6	0.0
75°	2855.3	3816.3	8111.7	6975.1	1199.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1286.1	2201.8	5951.1	5050.3	347.2	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
85°	898.1	1490.9	4785.5	5178.7	113.9	0.0	0.0	0.0	0.0	0.0	63.8	0.0	0.0

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**Leuchtdichten in cd/m²**



**siteco**

