

Lichttechnischer Prüfbefund

Familie
Mirrortec® LED

Bestell-Nr.: 5NW14091QC + 5XA7682G2H2AC
EAN: 4039806588586 + 4058352223710

LP-Nummer
58030_7



Ausführung SMR100A 1200x1200, Rohrpendel-Abhänger
(652mm), FL20 midi power RS5

Bestückung LED 4000 K | CRI ≥ 70

Betriebsgerät EVG-DALI

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

Bemessungswerte Nettolichtstrom = 33440 lm
Systemleistung = 305.7 W
Lichtausbeute = 109.4 lm/W

Seriendokumentation
16.12.2020

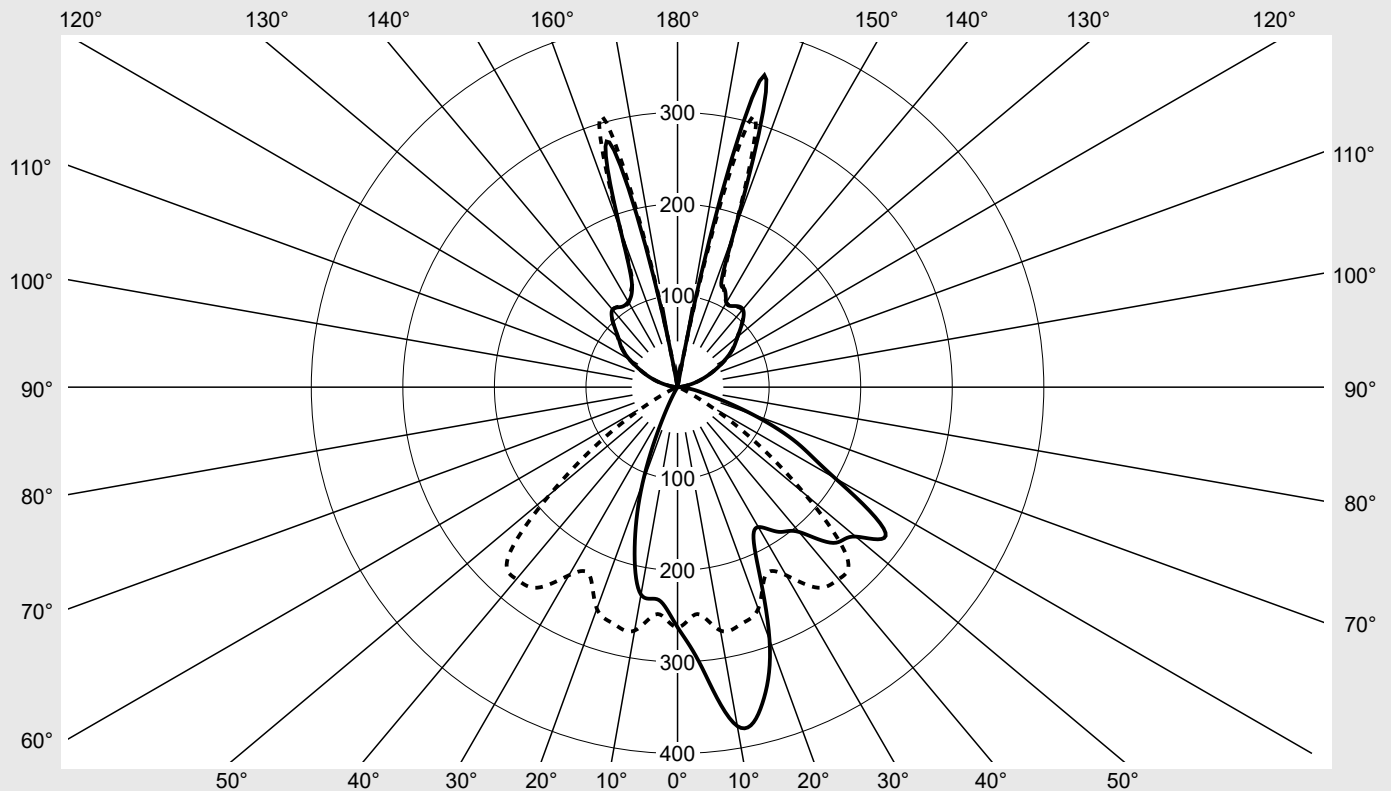
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 376 cd/klm



Klassifizierungen

DIN 5040 B 4 3
CIE N1=47 N2=83 N3=98
N4=62 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 61,6%
 ϕ_o 38,4%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Mirrortec® LED	Bestell-Nr.: 5NW14091QC + 5XA7682G2H2AC EAN: 4039806588586 + 4058352223710	LP-Nummer 58030_7
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°	262.2	262.2	262.2	262.2	262.2	262.2	262.2
5°	307.7	305.5	298.3	290.0	280.8	262.2	248.7
10°	375.8	372.9	340.6	322.0	291.5	276.5	269.9
15°	357.7	345.0	341.0	300.2	291.2	276.4	267.8
20°	293.7	271.2	268.7	261.3	237.1	241.4	257.6
25°	201.9	214.5	215.6	214.2	209.7	214.8	227.0
30°	176.4	180.2	172.6	183.9	200.3	200.7	237.2
35°	192.9	184.6	194.2	203.5	211.8	234.1	267.4
40°	206.4	196.5	206.8	220.5	249.8	250.6	273.7
45°	240.5	228.7	237.5	263.5	278.0	265.8	261.2
50°	253.8	268.1	285.0	301.7	251.3	213.5	181.1
55°	277.3	272.6	317.7	321.4	215.6	148.7	101.9
60°	198.2	246.2	322.7	301.9	155.3	74.5	40.4
65°	144.1	176.4	252.1	213.4	85.1	29.9	11.5
70°	87.4	95.2	183.8	150.4	41.6	9.8	3.9
75°	40.1	57.5	94.8	84.3	17.3	2.9	0.7
80°	20.3	21.5	57.0	47.6	6.7	0.6	0.0
85°	7.6	10.1	24.5	19.7	2.7	0.1	0.0
90°	1.6	4.1	8.3	9.4	0.7	0.2	0.2
95°	3.0	3.1	3.7	3.1	2.8	2.8	2.8
100°	10.3	10.4	10.3	10.2	10.3	10.3	10.3
105°	20.9	21.1	20.9	21.0	20.9	20.9	21.1
110°	32.6	32.6	32.9	32.6	32.6	32.7	32.6
115°	45.9	45.5	46.0	45.9	45.8	45.8	45.7
120°	60.1	60.4	60.8	60.6	60.6	60.0	60.8
125°	74.2	73.7	73.5	74.4	74.2	73.3	73.9
130°	85.6	86.5	86.3	86.1	86.0	86.0	85.4
135°	100.2	99.8	99.3	99.1	99.1	99.0	99.9
140°	111.0	110.1	109.9	109.9	109.7	109.7	110.0
145°	108.2	107.5	107.5	108.1	106.0	107.7	107.7
150°	106.6	107.9	107.8	106.9	107.1	106.8	106.8
155°	119.4	118.5	118.5	119.8	119.2	119.0	119.0
160°	180.4	180.4	181.7	171.8	180.6	179.7	180.7
165°	346.1	288.5	153.4	24.4	140.0	258.9	298.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	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

Lichttechnischer Prüfbefund

Familie Mirrortec® LED	Bestell-Nr.: 5NW14091QC + 5XA7682G2H2AC EAN: 4039806588586 + 4058352223710	LP-Nummer 58030_7
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°	262.2	262.2	262.2	262.2	262.2	262.2	1.6	1.6
5°	239.8	231.7	222.4	221.5	229.9	233.4	12.3	13.9
10°	259.4	253.9	246.2	235.3	234.1	230.0	27.0	40.9
15°	263.4	270.0	249.5	214.7	193.0	180.9	38.8	79.7
20°	272.0	250.5	216.3	154.9	112.4	111.9	42.9	122.6
25°	239.8	224.3	146.6	73.2	44.4	40.0	41.4	164.0
30°	232.9	170.5	78.5	28.4	11.4	7.4	40.8	204.9
35°	228.4	115.4	32.5	4.2	0.7	0.3	46.5	251.3
40°	217.2	73.6	12.7	1.6	0.0	0.0	53.0	304.4
45°	178.0	43.2	9.6	4.7	1.6	1.3	61.1	365.5
50°	112.8	16.0	1.8	1.1	0.9	0.4	61.6	427.1
55°	60.4	5.7	0.1	0.3	0.0	0.7	59.2	486.3
60°	24.1	1.6	0.0	0.1	0.0	0.0	50.1	536.4
65°	7.7	0.4	0.0	0.0	0.0	0.0	35.1	571.6
70°	2.6	0.1	0.0	0.3	0.0	0.0	22.8	594.4
75°	0.7	0.0	0.0	0.0	0.0	0.0	12.3	606.6
80°	0.1	0.0	0.0	0.0	0.1	0.0	6.5	613.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	615.9
90°	0.2	0.2	0.2	0.2	0.2	0.2	1.1	617.0
95°	2.9	2.8	2.8	2.8	2.8	2.8	1.6	618.6
100°	10.1	10.3	10.3	10.3	10.4	10.4	5.6	624.2
105°	20.9	20.9	20.9	21.0	21.0	20.8	11.1	635.3
110°	32.9	32.7	32.7	32.7	32.6	33.0	16.8	652.1
115°	46.1	45.5	45.6	45.7	45.9	45.7	22.7	674.9
120°	60.5	60.5	60.4	60.5	60.7	60.8	28.7	703.6
125°	74.2	74.1	74.6	73.5	74.0	74.5	33.2	736.8
130°	86.5	86.2	85.2	86.3	85.8	84.5	36.1	772.9
135°	99.9	99.7	99.6	99.4	99.7	99.4	38.6	811.5
140°	109.4	109.5	109.4	110.0	110.0	110.6	38.7	850.2
145°	107.7	106.8	107.6	107.6	108.5	107.0	33.8	884.0
150°	107.1	107.7	106.4	107.3	107.8	107.6	29.4	913.4
155°	119.4	118.5	119.9	118.7	118.7	117.6	27.6	940.9
160°	180.1	181.1	153.9	181.4	181.6	181.3	33.3	974.3
165°	245.8	115.2	7.6	108.6	226.5	267.9	25.7	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

Lichttechnischer Prüfbefund

Familie Mirrortec® LED	Bestell-Nr.: 5NW14091QC + 5XA7682G2H2AC EAN: 4039806588586 + 4058352223710	LP-Nummer 58030_7
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	21,7	22,8	22,5	23,6	24,6	16,1	17,2	16,9	18,0	18,9
	3H	23,0	24,0	23,7	24,8	25,7	16,3	17,3	17,0	18,1	19,0
	4H	22,7	23,6	23,5	24,4	25,4	15,8	16,7	16,6	17,5	18,5
	6H	22,4	23,2	23,3	24,1	25,2	15,4	16,2	16,3	17,1	18,2
	8H	22,6	23,4	23,4	24,2	25,3	15,6	16,3	16,4	17,2	18,3
	12H	22,3	23,0	23,2	23,9	25,0	15,3	15,9	16,1	16,8	18,0
4H	2H	22,6	23,5	23,4	24,3	25,3	18,0	18,9	18,8	19,7	20,7
	3H	23,9	24,7	24,7	25,5	26,6	18,0	18,7	18,8	19,6	20,6
	4H	24,2	24,8	25,0	25,7	26,8	17,9	18,5	18,7	19,4	20,5
	6H	23,9	24,5	24,8	25,4	26,6	17,5	18,1	18,4	19,0	20,1
	8H	24,1	24,6	25,0	25,5	26,7	17,6	18,2	18,5	19,1	20,2
	12H	23,8	24,3	24,8	25,2	26,4	17,3	17,8	18,3	18,7	19,9
8H	4H	24,2	24,8	25,1	25,7	26,8	18,6	19,1	19,4	20,0	21,1
	6H	24,5	24,9	25,4	25,8	27,0	18,5	18,9	19,4	19,8	21,0
	8H	24,5	24,9	25,4	25,8	27,0	18,4	18,8	19,3	19,7	20,9
	12H	24,3	24,6	25,2	25,5	26,8	18,1	18,4	19,1	19,4	20,6
12H	4H	23,9	24,4	24,9	25,3	26,5	18,4	18,8	19,3	19,8	21,0
	6H	24,2	24,6	25,2	25,5	26,7	18,4	18,8	19,4	19,7	20,9
	8H	24,3	24,6	25,3	25,6	26,8	18,4	18,7	19,3	19,7	20,9

Leuchtdichten-Tabelle		Max. für $\gamma \geq 65^\circ$											
		Lichttechnische Abmessungen in mm: L = 1200 B = 1200											
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°	7899.7	7509.4	7800.7	8654.5	9129.4	8730.8	8579.3	5846.0	1417.9	315.9	152.9	51.2	41.1
50°	9170.9	9687.2	10294.5	10899.4	9077.7	7711.6	6542.6	4074.9	578.9	63.9	38.3	31.9	16.0
55°	11226.0	11037.0	12863.5	13012.2	8729.1	6019.0	4125.2	2444.2	231.4	5.5	11.8	0.5	26.4
60°	9207.0	11436.1	14986.0	14023.2	7210.6	3458.7	1876.1	1118.8	75.2	0.6	4.6	1.6	0.0
65°	7917.2	9694.0	13853.5	11726.9	4675.2	1642.1	634.5	421.2	22.4	0.0	0.3	0.0	1.4
70°	5935.6	6463.5	12482.8	10213.9	2824.5	663.4	263.4	178.3	9.9	0.0	17.7	0.0	0.8
75°	3602.0	5159.6	8506.9	7562.8	1548.2	263.5	66.6	58.3	2.9	0.5	0.5	0.0	0.0
80°	2708.9	2880.6	7618.3	6364.1	897.3	85.1	0.0	17.5	0.0	0.0	0.0	9.9	0.0
85°	2024.2	2679.4	6540.7	5241.5	721.5	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Lichttechnischer Prüfbefund

Familie Mirrortec® LED	Bestell-Nr.: 5NW14091QC + 5XA7682G2H2AC EAN: 4039806588586 + 4058352223710	LP-Nummer 58030_7
---	---	------------------------------------

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

