

Lichttechnischer Prüfbefund

Familie
Mirrortec® LED

Bestell-Nr.: 5NW14093QC + 5XA7682G3H2AC
EAN: 4039806568489 + 4058352223734

LP-Nummer
58034_12



Ausführung SMR100A 1200x1200, 3 St. Einseil-Abhänger, FL20 midi power RS5
Bestückung LED 5000 K | CRI ≥ 70
Betriebsgerät EVG-DALI
Einstellung indiv. Einstellung: Abstand Fluter Spiegel = 3,5m / Spiegelneigung = 5°
Bemessungswerte Nettolichtstrom = 34750 lm
Systemleistung = 305.7 W
Lichtausbeute = 113.7 lm/W

Seriendokumentation
16.12.2020

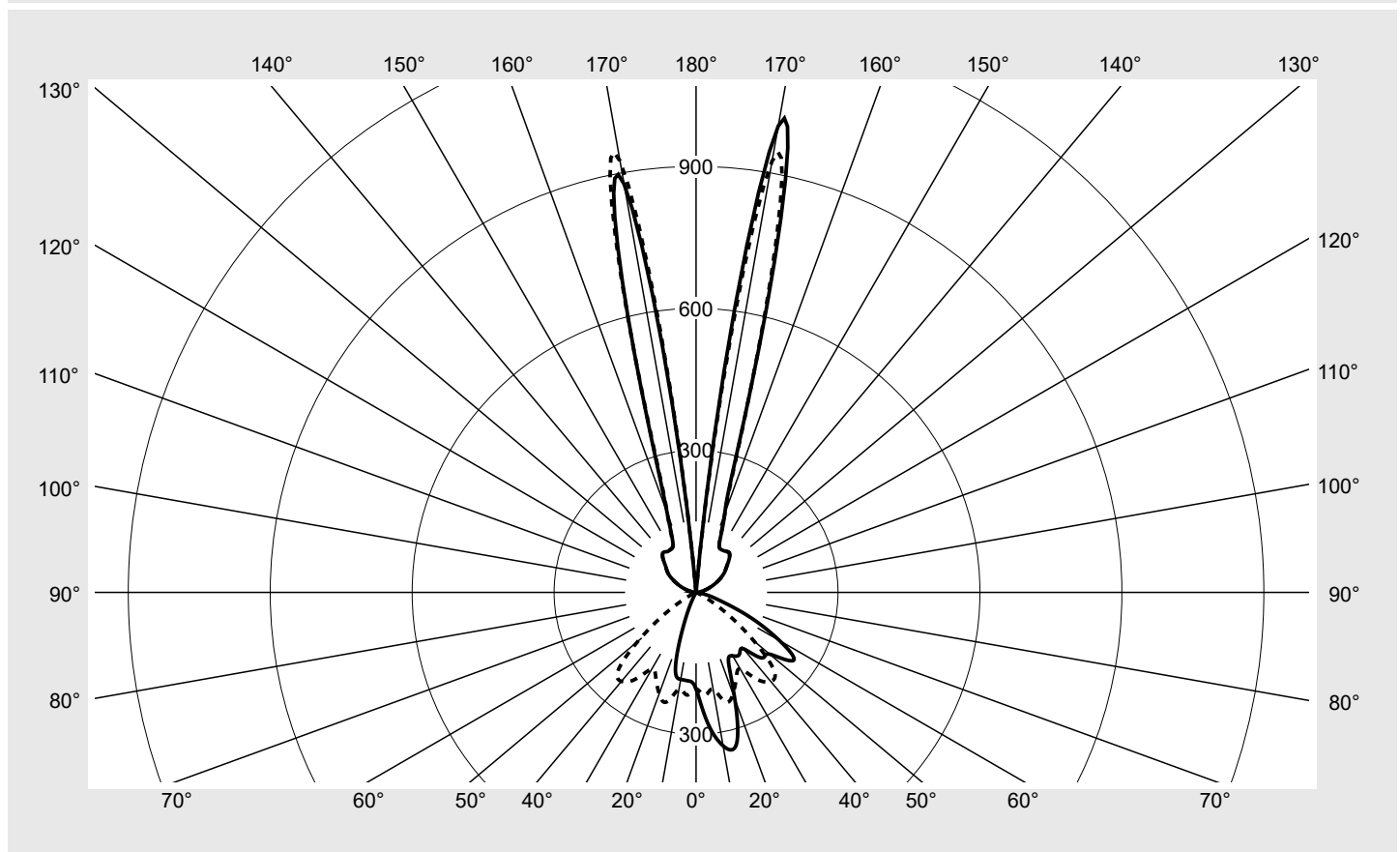
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Lichtstärke in cd/klm

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

η_{LB} 100,0%
 ϕ_u 53,4%
 ϕ_o 46,6%

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°	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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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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°	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	20,6	21,5	21,5	22,5	23,6	14,8	15,7	15,7	16,6	17,8
	3H	22,7	23,7	23,4	24,4	25,4	15,8	16,8	16,6	17,6	18,6
	4H	21,5	22,2	22,4	23,2	24,4	14,5	15,2	15,4	16,2	17,4
	6H	21,9	22,7	22,8	23,6	24,8	14,9	15,7	15,8	16,6	17,7
	8H	21,3	22,0	22,2	22,9	24,2	14,2	14,9	15,2	15,9	17,1
	12H	21,8	22,4	22,7	23,4	24,5	14,7	15,4	15,6	16,3	17,5
4H	2H	21,5	22,3	22,5	23,2	24,5	16,8	17,6	17,7	18,5	19,8
	3H	22,8	23,4	23,7	24,4	25,6	16,8	17,5	17,8	18,4	19,7
	4H	23,0	23,5	23,9	24,5	25,8	16,7	17,3	17,7	18,3	19,5
	6H	23,5	24,0	24,4	25,0	26,2	17,1	17,7	18,1	18,6	19,8
	8H	22,8	23,3	23,8	24,3	25,6	16,5	16,9	17,5	17,9	19,2
	12H	23,3	23,8	24,3	24,7	26,0	17,0	17,4	17,9	18,4	19,6
8H	4H	23,0	23,5	24,0	24,5	25,8	17,4	17,8	18,4	18,8	20,1
	6H	23,2	23,6	24,2	24,6	25,9	17,3	17,7	18,3	18,7	20,0
	8H	23,2	23,5	24,2	24,5	25,9	17,2	17,6	18,2	18,6	19,9
	12H	23,7	24,0	24,7	25,0	26,2	17,7	18,0	18,7	19,0	20,3
12H	4H	23,5	24,0	24,5	24,9	26,2	18,0	18,4	18,9	19,4	20,6
	6H	23,7	24,1	24,7	25,0	26,3	18,0	18,3	18,9	19,3	20,5
	8H	23,8	24,1	24,7	25,1	26,3	17,9	18,2	18,9	19,2	20,5

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°		6680.1	6648.9	7008.2	7714.8	8022.8	7653.2	7945.6	5753.2	991.2	134.5	49.1	14.4	2.3
50°		7625.9	8476.9	9460.3	10216.0	8756.6	7034.3	6000.4	4083.6	310.5	1.1	18.9	0.0	0.0
55°		10557.9	10482.6	11982.2	12493.6	8110.5	5099.1	3617.7	2371.0	26.9	0.0	0.0	10.6	0.0
60°		9826.4	10975.7	13415.7	13616.9	6533.7	3077.4	1591.3	840.5	1.3	0.0	1.1	15.3	0.0
65°		7463.0	8819.2	13847.3	11318.1	4416.8	1282.6	428.2	243.2	0.0	0.0	0.0	14.3	0.0
70°		4480.0	6263.8	11049.8	9753.7	2597.0	178.2	0.0	7.6	0.0	2.3	11.5	29.3	0.0
75°		2923.4	3907.4	8305.3	7141.5	1228.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°		1316.7	2254.4	6093.2	5170.8	355.5	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0
85°		919.5	1526.5	4899.7	5302.3	116.6	0.0	0.0	0.0	0.0	0.0	65.3	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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