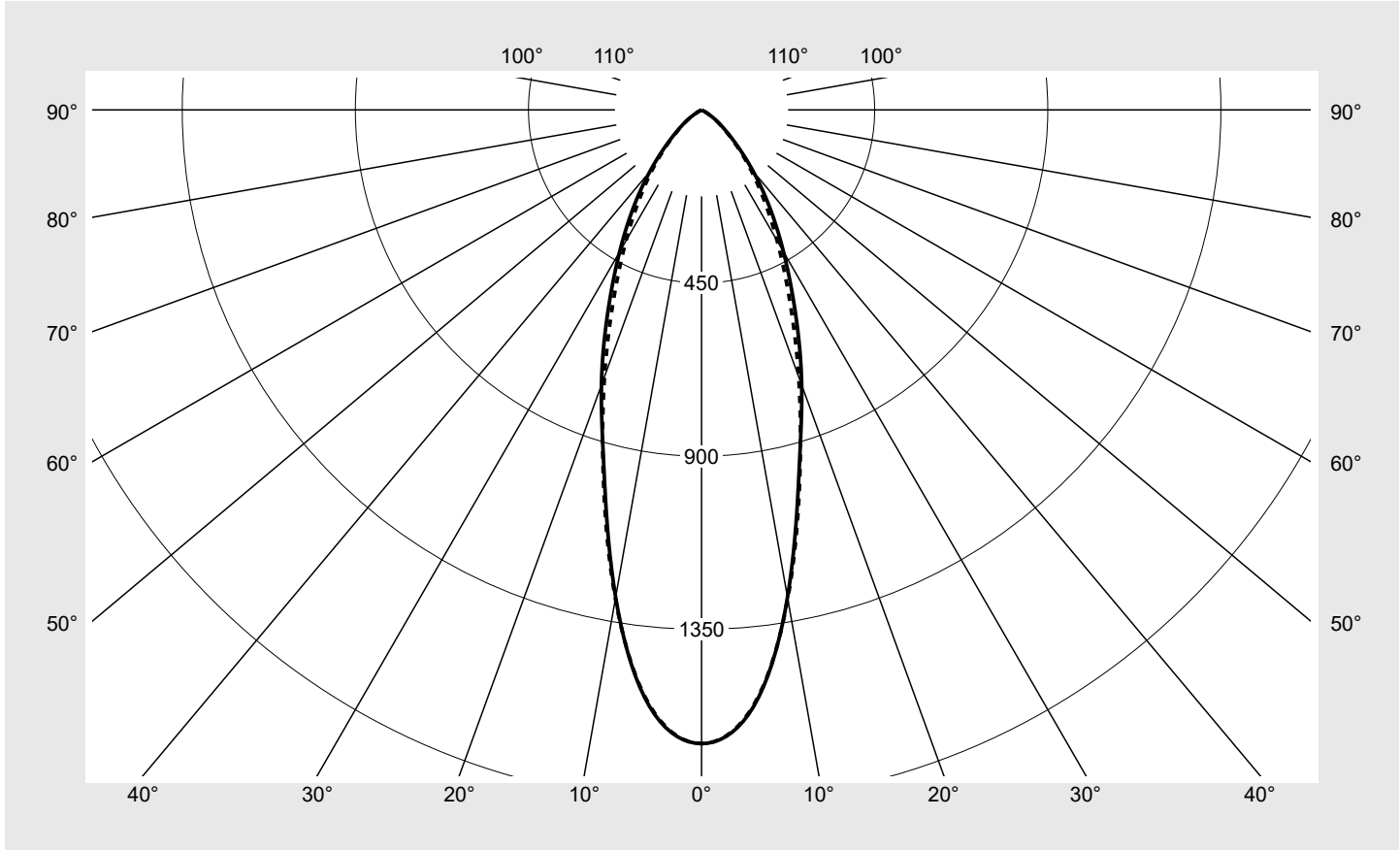


Lichttechnischer Prüfbefund

Familie Silica® 21	Bestell-Nr.: 51MX11DC4AWB EAN: 4058352907207	LP-Nummer 59268_96
	Ausführung Einbauleuchte, Reflektor, schwarz, direkt strahlend, eng strahlend, UGR≤19 (L65≤3000cd/m²) Bestückung LED 4000 K CRI ≥ 80 Betriebsgerät EVG-DALI Bemessungswerte Nettolichtstrom = 10800 lm Systemleistung = 64.8 W Lichtausbeute = 166.7 lm/W	Seriendokumentation 02.08.2023

siteco

Lichtstärke in cd/klm C180-0 C270-90 Imax: 1647 cd/klm



Klassifizierungen	
DIN 5040	A 7 0
CIE	N1=87 N2=99 N3=100 N4=100 N5=100

Leuchtenbetriebswirkungsgrade	
η_{LB}	100,0%
ϕ_u	100,0%
ϕ_o	0,0%

Messbedingungen
DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

Familie Silica® 21	Bestell-Nr.: 51MX11DC4AWB EAN: 4058352907207	LP-Nummer 59268_96
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		sITeco

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	1647.1	1647.1	1647.1	1647.1	1647.1	1647.1	1647.1	9.9	9.9
5°	1556.0	1552.2	1545.4	1552.7	1555.3	1549.6	1552.8	74.1	84.0
10°	1286.3	1288.4	1295.0	1311.1	1307.0	1291.2	1290.4	123.4	207.4
15°	978.4	985.5	998.6	1011.3	1007.8	991.2	986.9	141.3	348.7
20°	761.0	758.1	743.8	731.7	736.2	737.5	737.7	139.2	488.0
25°	575.0	565.5	534.1	513.6	528.8	542.8	539.9	125.2	613.2
30°	426.0	419.2	386.1	366.4	385.1	401.9	392.9	108.2	721.3
35°	308.0	307.0	281.1	264.9	280.7	295.5	280.0	90.3	811.6
40°	209.2	211.1	196.7	188.3	198.2	205.5	193.0	70.5	882.1
45°	130.5	131.9	127.1	124.8	130.2	130.3	123.1	49.8	932.0
50°	76.5	78.3	78.7	78.6	80.6	77.5	73.2	32.8	964.8
55°	42.1	44.0	46.1	47.2	47.6	43.6	40.6	20.2	985.0
60°	13.4	16.3	24.8	26.9	25.6	18.0	14.5	9.9	994.9
65°	4.2	5.2	7.6	13.7	8.3	5.3	4.6	3.7	998.6
70°	1.7	1.8	1.5	2.7	1.9	2.1	2.2	1.0	999.6
75°	0.3	0.5	0.5	0.6	0.6	0.6	0.4	0.3	999.9
80°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	999.9
85°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	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	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Lichttechnischer Prüfbefund

Familie Silica® 21	Bestell-Nr.: 51MX11DC4AWB EAN: 4058352907207	LP-Nummer 59268_96
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	17,1	18,3	17,5	18,6	18,9	17,0	18,2	17,4	18,5	18,8
	3H	17,0	18,0	17,3	18,4	18,7	16,9	17,9	17,2	18,3	18,6
	4H	16,9	17,9	17,3	18,2	18,6	16,8	17,8	17,2	18,1	18,5
	6H	16,8	17,7	17,3	18,1	18,5	16,7	17,6	17,2	18,0	18,4
	8H	16,9	17,6	17,3	18,0	18,4	16,8	17,5	17,2	17,9	18,3
	12H	16,9	17,5	17,3	17,9	18,3	16,8	17,4	17,2	17,8	18,2
4H	2H	17,0	18,0	17,4	18,4	18,7	16,9	17,9	17,3	18,3	18,6
	3H	16,9	17,7	17,3	18,1	18,5	16,8	17,6	17,2	18,0	18,4
	4H	16,8	17,5	17,2	17,9	18,3	16,7	17,4	17,1	17,8	18,2
	6H	16,7	17,3	17,2	17,7	18,2	16,6	17,2	17,1	17,6	18,1
	8H	16,6	17,2	17,1	17,6	18,1	16,6	17,1	17,0	17,5	18,0
	12H	16,6	17,1	17,1	17,5	18,0	16,5	17,0	17,0	17,4	17,9
8H	4H	16,6	17,2	17,1	17,6	18,1	16,6	17,1	17,0	17,5	18,0
	6H	16,5	17,0	17,0	17,4	18,0	16,4	16,9	16,9	17,3	17,9
	8H	16,5	16,8	17,0	17,3	17,9	16,4	16,8	16,9	17,2	17,8
	12H	16,5	16,7	17,0	17,2	17,8	16,4	16,6	16,9	17,1	17,7
12H	4H	16,6	17,1	17,1	17,5	18,0	16,6	17,0	17,0	17,4	17,9
	6H	16,5	16,8	17,0	17,3	17,9	16,4	16,8	16,9	17,2	17,8
	8H	16,5	16,7	17,0	17,2	17,8	16,4	16,6	16,9	17,1	17,7

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

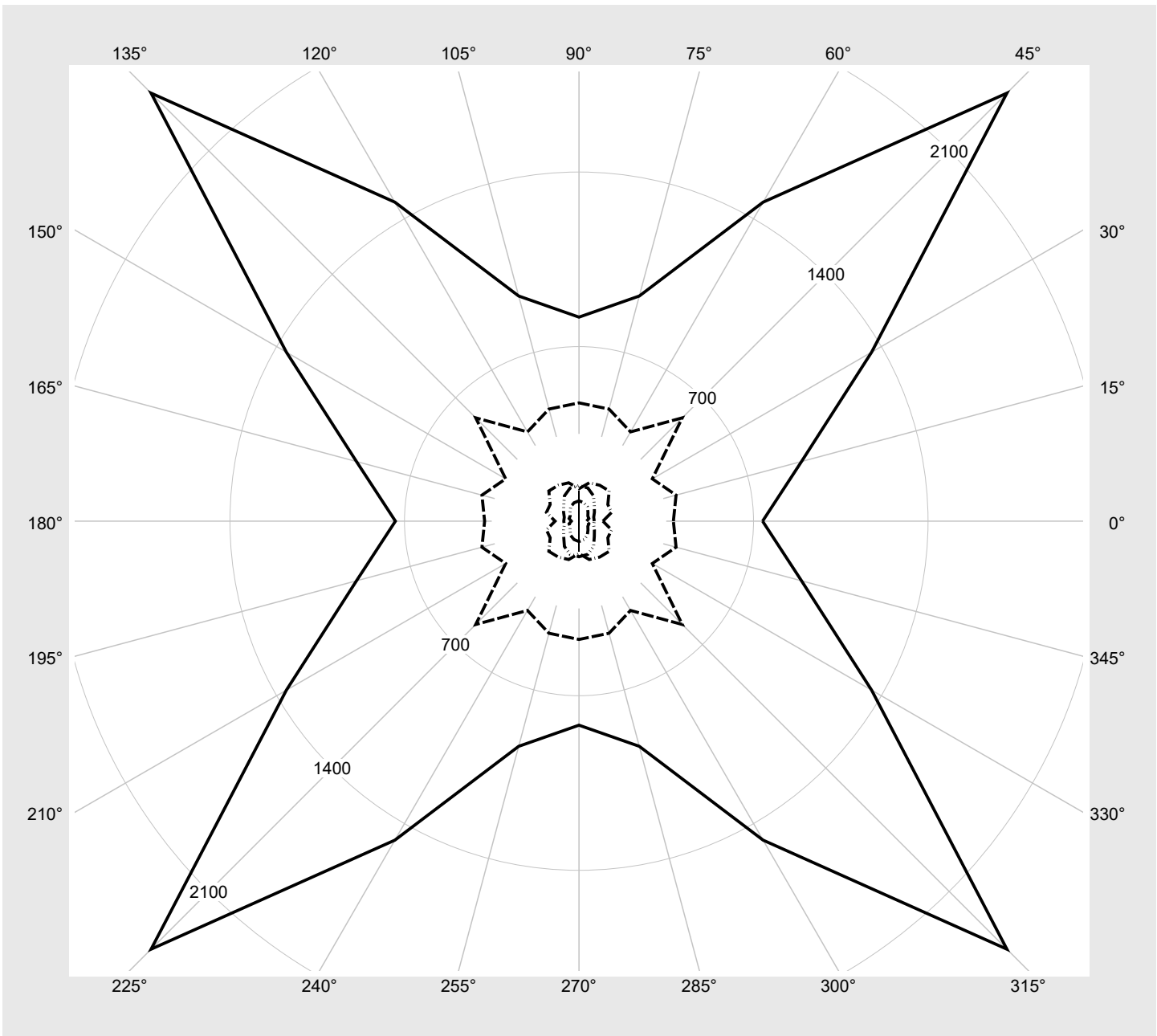
Lichttechnische Abmessungen in mm: L = 2940, B = 49

C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		13837.3	13986.0	13475.6	13233.6	13804.1	13819.2	13053.7
50°		8925.4	9130.3	9184.1	9166.8	9400.7	9037.8	8535.2
55°		5509.0	5751.6	6021.4	6172.9	6227.0	5700.7	5312.7
60°		2003.8	2439.0	3713.1	4029.6	3843.3	2697.1	2177.5
65°		736.4	924.0	1355.3	2427.2	1477.0	934.7	818.1
70°		378.5	403.1	339.5	585.9	413.4	465.3	474.3
75°		95.9	135.3	133.5	171.2	166.3	159.3	130.1
80°		30.7	41.0	41.0	50.9	66.5	76.4	81.6
85°		61.1	61.1	71.4	86.9	117.0	137.6	142.8

Lichttechnischer Prüfbefund

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



Lichttechnischer Prüfbefund

Familie Silica® 21	Bestell-Nr.: 51MX11DC4AWB EAN: 4058352907207	LP-Nummer 59268_96
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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	10800	64.8
95	241	252	10278	61.6
90	227	250	9708	58.1
85	214	248	9179	55.0
80	201	245	8646	51.7
75	188	243	8110	48.5
70	175	240	7571	45.3
65	162	238	7026	42.2
60	149	234	6479	39.1
55	136	231	5926	35.9
50	124	228	5414	33.0
45	111	224	4857	29.9
40	99	219	4340	27.0
35	86	214	3777	23.9
30	74	209	3254	21.1
25	61	202	2686	18.0
20	49	194	2158	15.2
15	37	183	1625	12.2
10	25	169	1093	9.3
5	13	145	558	5.9
3	8	127	335	4.1