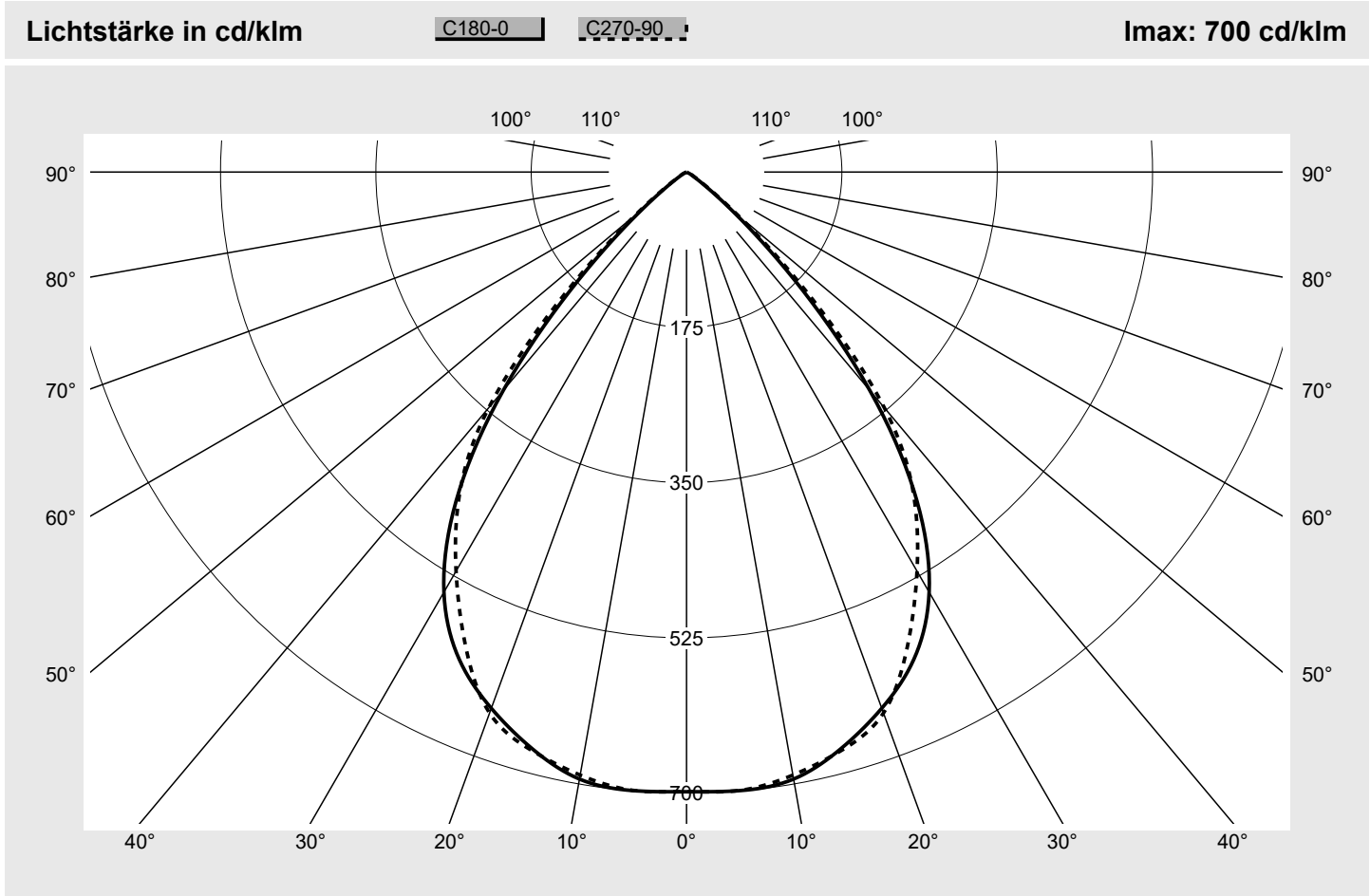


### Lichttechnischer Prüfbefund

<b>Familie</b> <b>Silica® 21</b>	<b>Bestell-Nr.: 51MX22TBT5B</b> <b>EAN: 4058352687239</b>	<b>LP-Nummer</b> <b>59272_102</b>
	<b>Ausführung</b> Anbauleuchte, Reflektor, schwarz, direkt strahlend, breit strahlend, UGR≤19 (L65≤1000cd/m²), Tunable White <b>Bestückung</b> LED 4000 K   CRI ≥ 80 <b>Betriebsgerät</b> EVG-DALI <b>Einstellung</b> Werkseinstellung <b>Bemessungswerte</b> Nettolichtstrom = 4650 lm Systemleistung = 42.2 W Lichtausbeute = 110.2 lm/W	<b>Seriendokumentation</b> <b>03.05.2023</b>
		



Klassifizierungen	
DIN 5040	A 6 0
CIE	N1=84 N2=99 N3=100 N4=100 N5=100

Leuchtenbetriebswirkungsgrade	
$\eta_{LB}$	100,0%
$\phi_u$	100,0%
$\phi_o$	0,0%

Messbedingungen
DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Silica® 21</b>	<b>Bestell-Nr.: 51MX22TBT5B</b> <b>EAN: 4058352687239</b>	<b>LP-Nummer</b> <b>59272_102</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sITeco</b>

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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	698.3	698.3	698.3	698.3	698.3	698.3	698.3	4.2	4.2
5°	699.6	698.5	693.9	696.9	698.4	696.4	699.4	33.3	37.5
10°	694.6	694.5	689.5	695.3	694.0	687.7	690.0	65.9	103.4
15°	672.6	676.2	675.2	682.1	683.0	677.2	674.7	96.2	199.5
20°	643.1	649.9	651.2	653.1	656.2	653.1	648.8	122.2	321.7
25°	605.9	614.8	613.8	608.6	601.9	597.0	589.1	140.3	462.0
30°	546.6	557.0	551.8	537.6	523.2	517.8	519.3	147.1	609.1
35°	452.6	459.5	452.6	444.2	440.2	442.2	446.7	140.9	750.0
40°	321.1	327.1	329.4	337.0	343.8	344.5	346.6	118.4	868.3
45°	172.2	187.2	203.3	211.2	210.4	196.6	193.1	77.0	945.3
50°	63.8	73.4	88.4	94.7	94.6	78.0	74.0	34.9	980.1
55°	17.5	22.2	30.2	37.1	33.0	23.7	21.3	12.4	992.5
60°	5.9	7.1	10.7	14.2	11.5	8.5	8.2	4.7	997.2
65°	2.1	2.5	3.7	4.8	4.2	3.3	3.2	1.8	998.9
70°	1.4	1.5	1.1	1.1	1.3	1.7	1.7	0.7	999.6
75°	0.3	0.4	0.3	0.5	0.4	0.5	0.5	0.2	999.9
80°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	999.9
85°	0.0	0.0	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

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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	18,6	19,9	19,0	20,2	20,6	18,7	20,0	19,1	20,4	20,7
	3H	18,5	19,6	18,9	20,0	20,3	18,6	19,8	19,0	20,1	20,4
	4H	18,4	19,5	18,8	19,8	20,2	18,5	19,6	18,9	19,9	20,3
	6H	18,4	19,3	18,8	19,7	20,1	18,5	19,4	18,9	19,8	20,2
	8H	18,4	19,2	18,8	19,6	20,0	18,5	19,3	18,9	19,7	20,1
	12H	18,4	19,1	18,8	19,5	19,9	18,5	19,2	18,9	19,6	20,1
4H	2H	18,5	19,5	18,9	19,9	20,2	18,6	19,6	19,0	20,0	20,3
	3H	18,3	19,2	18,7	19,6	20,0	18,4	19,3	18,8	19,7	20,1
	4H	18,2	19,0	18,7	19,4	19,8	18,3	19,1	18,8	19,5	19,9
	6H	18,1	18,8	18,6	19,2	19,7	18,3	18,9	18,7	19,3	19,8
	8H	18,1	18,7	18,6	19,1	19,6	18,2	18,8	18,7	19,2	19,7
	12H	18,1	18,6	18,6	19,0	19,5	18,2	18,7	18,7	19,1	19,6
8H	4H	18,1	18,7	18,6	19,1	19,6	18,2	18,8	18,7	19,2	19,7
	6H	18,0	18,5	18,5	18,9	19,5	18,1	18,6	18,6	19,1	19,6
	8H	17,9	18,4	18,4	18,8	19,4	18,0	18,5	18,6	19,0	19,5
	12H	17,9	18,2	18,4	18,7	19,3	18,0	18,4	18,6	18,9	19,4
12H	4H	18,1	18,6	18,6	19,0	19,5	18,2	18,7	18,7	19,1	19,6
	6H	18,0	18,4	18,5	18,8	19,4	18,1	18,5	18,6	19,0	19,5
	8H	17,9	18,2	18,4	18,7	19,3	18,0	18,4	18,6	18,9	19,4

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1470 B = 49
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		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°		15725.2	17086.3	18560.6	19278.1	19212.9	17951.7	17629.9
50°		6408.6	7376.3	8881.8	9511.4	9497.6	7836.5	7432.3
55°		1966.5	2494.6	3397.9	4177.4	3714.3	2661.8	2393.3
60°		763.8	919.4	1380.1	1837.0	1479.1	1094.1	1054.1
65°		326.0	385.7	558.8	735.7	645.4	500.6	489.0
70°		257.1	274.3	208.6	204.0	247.3	319.2	327.3
75°		76.1	101.0	84.3	117.7	109.2	128.2	116.5
80°		21.2	24.9	35.3	46.1	60.2	71.0	74.4
85°		28.1	31.9	52.6	74.1	102.2	130.4	141.5

**Lichttechnischer Prüfbefund**

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

