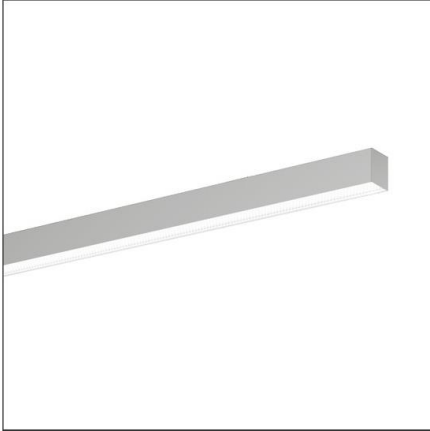


## Lichttechnischer Prüfbefund

Familie  
Silica® 21

Bestell-Nr.: 51MX23TCTAS  
EAN: 4058352807200

LP-Nummer  
59330\_172



**Ausführung** Anbauleuchte, homogen leuchtend, Prismenabdeckung, direkt strahlend, extrem breit strahlend,  $UGR \leq 19$  ( $L65 \leq 3000 \text{cd/m}^2$ ), Tunable White

**Bestückung** LED 4000 K | CRI  $\geq 80$

**Betriebsgerät** EVG-DALI

**Einstellung** Werkseinstellung

**Bemessungswerte** Nettolichtstrom = 8070 lm  
Systemleistung = 85.1 W  
Lichtausbeute = 94.8 lm/W

Seriendokumentation  
03.05.2023

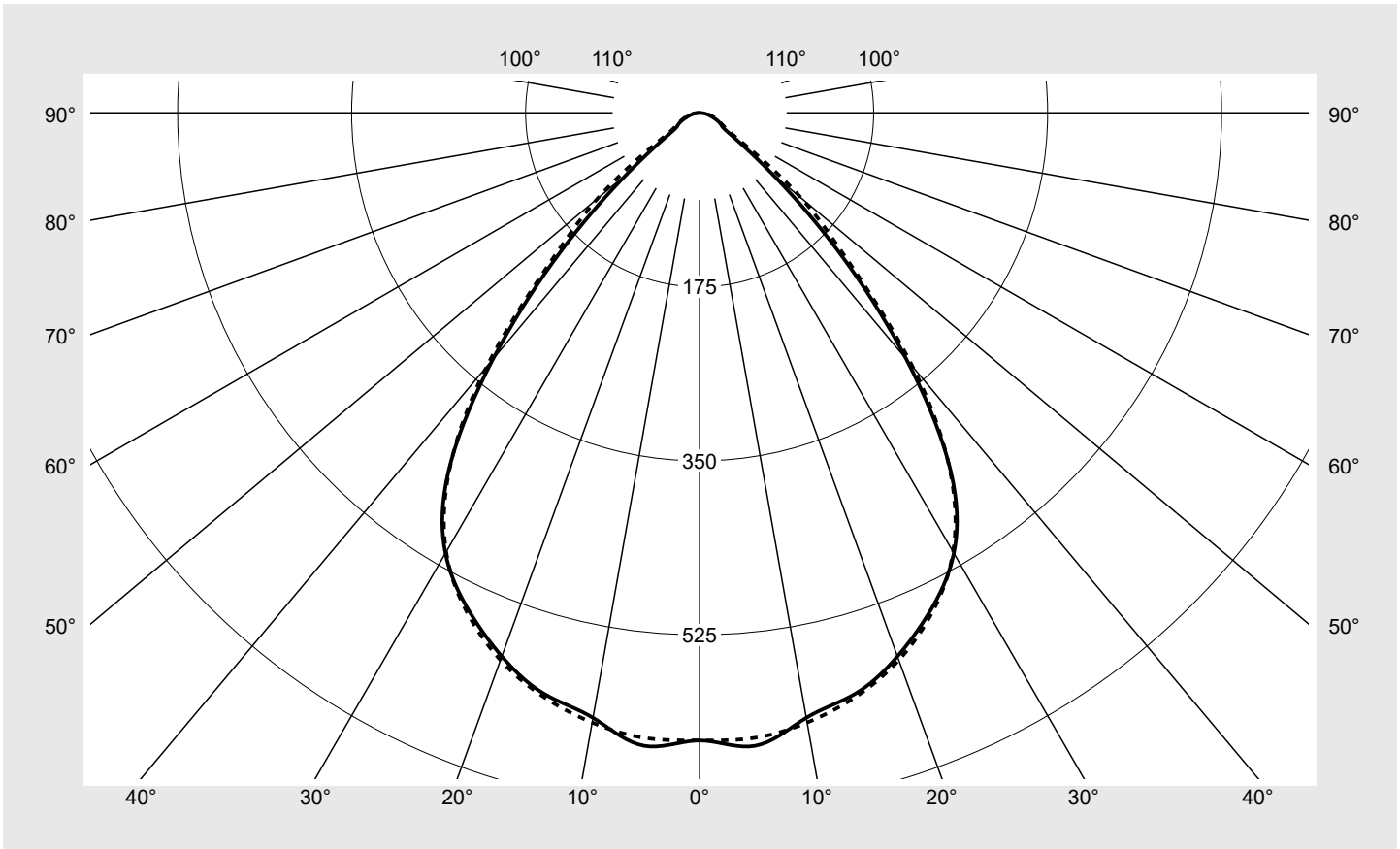
siteco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 642 cd/klm



## Klassifizierungen

DIN 5040 A 6 0  
CIE N1=78 N2=96 N3=99  
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> Silica® 21	<b>Bestell-Nr.: 51MX23TCTAS</b> <b>EAN: 4058352807200</b>	<b>LP-Nummer</b> 59330_172
<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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	631.2	631.2	631.2	631.2	631.2	631.2	631.2	3.8	3.8
5°	639.0	636.9	635.8	640.8	642.0	634.8	631.1	30.5	34.2
10°	617.8	615.8	612.2	616.7	624.6	629.4	622.7	59.0	93.2
15°	604.8	603.1	597.6	597.0	601.6	607.9	607.8	85.4	178.7
20°	581.7	581.2	575.6	575.6	576.2	579.7	585.7	108.5	287.2
25°	550.9	551.4	546.3	545.8	546.2	547.0	553.9	127.0	414.1
30°	511.3	512.1	506.5	506.8	506.5	506.0	509.9	139.2	553.4
35°	440.5	440.8	437.0	438.8	441.2	438.6	439.0	138.1	691.5
40°	323.4	324.8	326.1	329.4	332.6	332.8	333.0	115.9	807.4
45°	198.4	199.0	200.7	203.5	206.3	209.2	212.1	79.1	886.5
50°	93.9	108.5	122.0	111.2	100.2	119.3	133.6	47.2	933.7
55°	37.7	51.0	48.2	55.0	41.5	57.5	53.4	22.4	956.1
60°	25.5	26.5	28.2	26.2	26.1	27.8	29.0	12.8	968.9
65°	21.0	20.8	21.7	21.1	22.1	22.0	22.3	10.7	979.6
70°	15.2	15.5	16.2	16.1	16.4	16.6	17.4	8.3	987.9
75°	10.6	11.0	12.1	11.5	11.8	12.4	12.4	6.2	994.1
80°	6.4	6.8	7.5	8.1	7.5	8.4	8.5	4.1	998.3
85°	2.4	2.5	2.6	3.2	3.5	4.1	4.3	1.7	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

<b>Familie</b> Silica® 21	<b>Bestell-Nr.: 51MX23TCTAS</b> <b>EAN: 4058352807200</b>	<b>LP-Nummer</b> 59330_172
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UGR-Tabelle		Standardraum									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	18,4	19,7	18,7	20,1	20,4	18,6	20,0	18,9	20,3	20,6
	3H	18,4	19,6	18,8	20,0	20,3	18,7	19,9	19,1	20,2	20,6
	4H	18,5	19,6	18,9	19,9	20,3	18,7	19,9	19,1	20,2	20,6
	6H	18,5	19,5	18,9	19,9	20,3	18,8	19,8	19,2	20,2	20,6
	8H	18,6	19,5	19,0	19,9	20,3	18,9	19,8	19,3	20,2	20,6
	12H	18,6	19,4	19,0	19,8	20,2	18,9	19,8	19,4	20,2	20,6
4H	2H	18,3	19,4	18,7	19,8	20,1	18,5	19,6	18,9	20,0	20,4
	3H	18,4	19,4	18,9	19,8	20,2	18,7	19,6	19,1	20,0	20,4
	4H	18,5	19,4	19,0	19,8	20,2	18,8	19,6	19,2	20,0	20,5
	6H	18,6	19,3	19,1	19,8	20,2	18,9	19,6	19,4	20,1	20,5
	8H	18,6	19,3	19,1	19,7	20,2	19,0	19,6	19,5	20,1	20,6
	12H	18,7	19,2	19,2	19,7	20,2	19,1	19,6	19,6	20,1	20,6
8H	4H	18,5	19,2	19,0	19,6	20,1	18,8	19,4	19,3	19,9	20,3
	6H	18,7	19,2	19,2	19,7	20,2	19,0	19,5	19,5	20,0	20,5
	8H	18,7	19,2	19,2	19,6	20,2	19,1	19,5	19,6	20,0	20,5
	12H	18,7	19,1	19,3	19,6	20,2	19,2	19,5	19,7	20,0	20,6
12H	4H	18,5	19,1	19,0	19,5	20,0	18,8	19,3	19,3	19,8	20,3
	6H	18,7	19,1	19,2	19,6	20,1	19,0	19,4	19,5	19,9	20,4
	8H	18,7	19,1	19,3	19,6	20,2	19,1	19,5	19,6	20,0	20,5

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 3000 B = 50
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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°		15094.0	15142.8	15270.8	15483.9	15694.9	15919.9	16136.3
50°		7859.0	9078.9	10212.9	9311.0	8389.9	9983.8	11180.5
55°		3536.5	4782.7	4522.6	5156.4	3889.5	5389.7	5012.6
60°		2742.5	2855.2	3029.3	2813.7	2806.1	2994.0	3118.2
65°		2669.4	2652.1	2762.8	2685.7	2812.7	2799.1	2838.2
70°		2390.3	2440.7	2540.6	2529.2	2575.3	2605.5	2737.8
75°		2198.6	2278.6	2508.3	2400.0	2453.5	2573.4	2577.8
80°		1978.5	2102.1	2320.9	2524.1	2336.4	2612.4	2618.3
85°		1495.7	1517.9	1619.1	1979.6	2134.0	2508.0	2630.9

**Lichttechnischer Prüfbefund**

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Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**

