

## Lichttechnischer Prüfbefund

Familie  
Silica® 21

Bestell-Nr.: 51MX6MTST4W  
EAN: 4069025006547

LP-Nummer  
59273\_162

Seriendokumentation  
08.02.2024



**Ausführung** Einbauleuchte für Einlegemontage, weiß, quadratisch M600, Reflektor, weiß, breit strahlend,  $UGR \leq 19$  ( $L65 \leq 3000 \text{ cd/m}^2$ ), Tunable White

**Bestückung** LED 2700 K ... 6500 K |  $CRI \geq 80$

**Betriebsgerät** EVG-DALI

**Einstellung** Werkseinstellung: Farbtemperatur 4000K

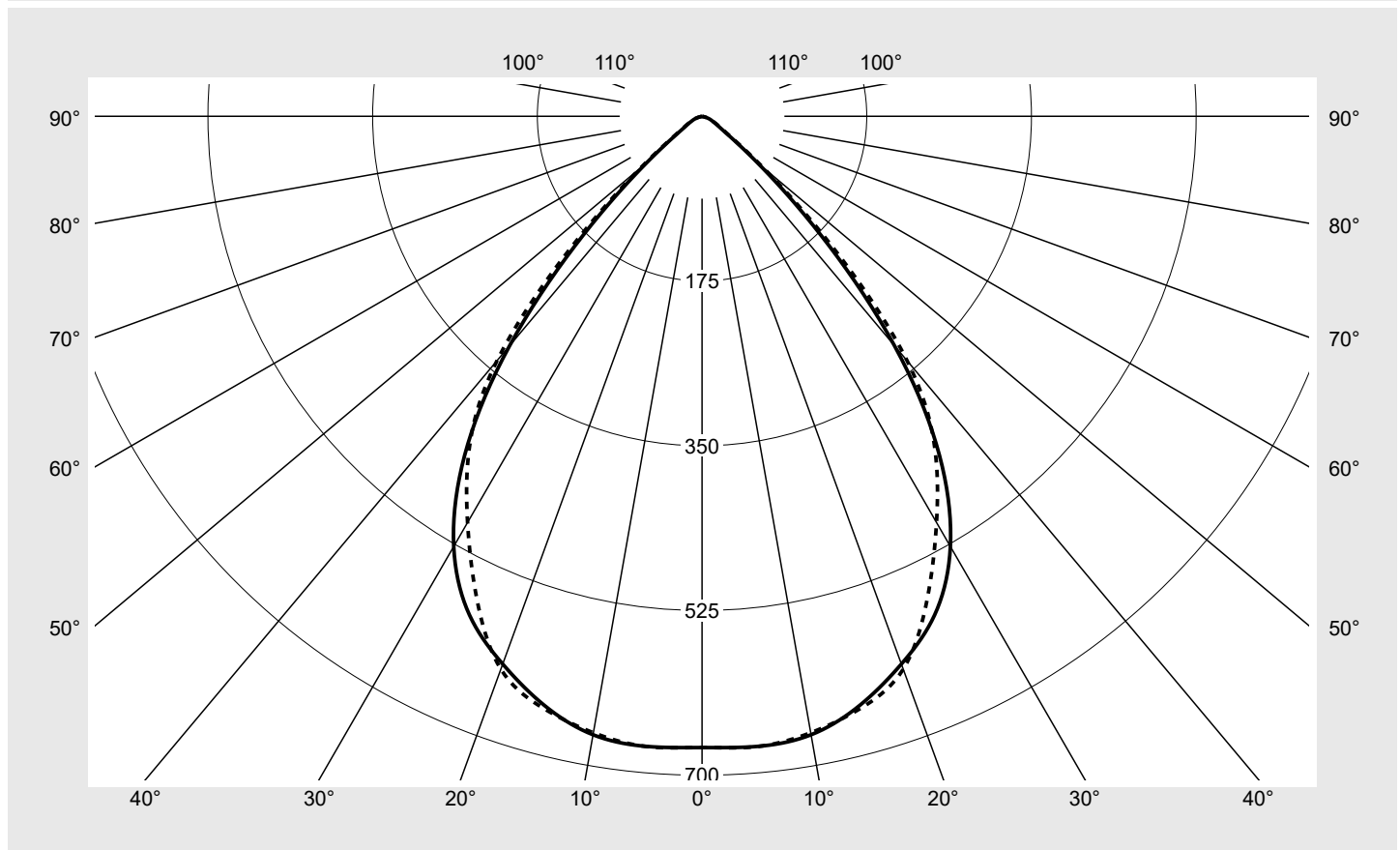
**Bemessungswerte** bei 4000 K  
Nettolichtstrom = 3720 lm  
Systemleistung = 32.8 W  
Lichtausbeute = 113.4 lm/W

siteco

Lichtstärke in cd/klm

C180-0 C270-90

Imax: 672 cd/klm



## Klassifizierungen

DIN 5040 A 6 0  
CIE N1=81 N2=98 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

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<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°	670.6	670.6	670.6	670.6	670.6	670.6	670.6	4.0	4.0
5°	672.0	671.0	666.9	670.2	672.1	669.7	672.1	32.0	36.0
10°	667.2	667.8	663.6	668.3	668.0	663.2	665.0	63.4	99.4
15°	647.8	651.0	649.7	657.6	659.0	654.0	651.1	92.7	192.1
20°	619.2	626.0	627.7	630.1	631.8	628.0	625.0	117.7	309.8
25°	584.6	592.8	592.8	586.4	578.5	572.7	566.1	135.1	444.9
30°	527.7	537.5	532.7	518.6	502.8	496.8	498.3	141.7	586.5
35°	439.9	446.6	438.9	429.3	425.3	427.0	431.4	136.4	722.9
40°	317.9	323.5	324.7	330.5	337.1	337.4	339.0	116.4	839.3
45°	178.7	192.9	207.5	213.7	212.9	199.2	195.5	78.4	917.7
50°	76.9	85.7	98.8	104.0	103.2	87.9	84.3	39.2	956.9
55°	31.7	36.2	43.2	49.1	45.3	36.9	34.6	18.2	975.1
60°	18.6	20.0	23.1	25.7	23.4	20.6	20.0	10.4	985.6
65°	12.3	12.8	13.8	14.2	13.9	13.0	12.7	6.6	992.2
70°	8.3	8.6	8.1	7.9	8.2	8.8	8.7	4.3	996.5
75°	3.4	3.7	4.0	4.2	4.3	4.0	3.7	2.1	998.6
80°	1.6	1.6	1.7	1.7	1.8	1.8	1.8	0.9	999.6
85°	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.4	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

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

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 294 B = 196
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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°		16312.8	17608.2	18939.7	19511.4	19435.4	18187.9	17848.1
50°		7726.0	8607.5	9918.7	10447.7	10362.4	8825.7	8469.4
55°		3567.6	4074.8	4863.0	5527.9	5099.1	4150.2	3893.9
60°		2405.4	2578.4	2978.8	3314.6	3025.6	2658.2	2586.3
65°		1873.1	1958.8	2100.5	2172.8	2115.9	1990.8	1944.1
70°		1568.9	1623.4	1529.3	1496.2	1549.8	1661.6	1643.3
75°		841.1	928.4	991.7	1056.3	1062.8	1005.9	935.1
80°		599.3	612.3	630.1	643.2	672.5	683.7	680.7
85°		531.8	545.2	564.4	587.4	625.9	665.2	668.1

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

