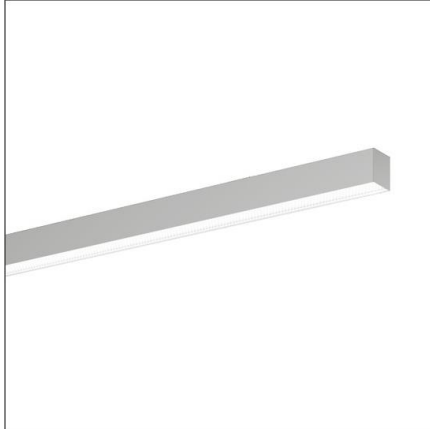


Lichttechnischer Prüfbefund

Familie
Silica® 21

Bestell-Nr.: 51MX23TBT5S
EAN: 4058352687338

LP-Nummer
59330_164



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

Bestückung LED 6500 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung indiv. Einstellung

Bemessungswerte Nettolichtstrom = 4030 lm
Systemleistung = 40.5 W
Lichtausbeute = 99.5 lm/W

Seriendokumentation
03.05.2023

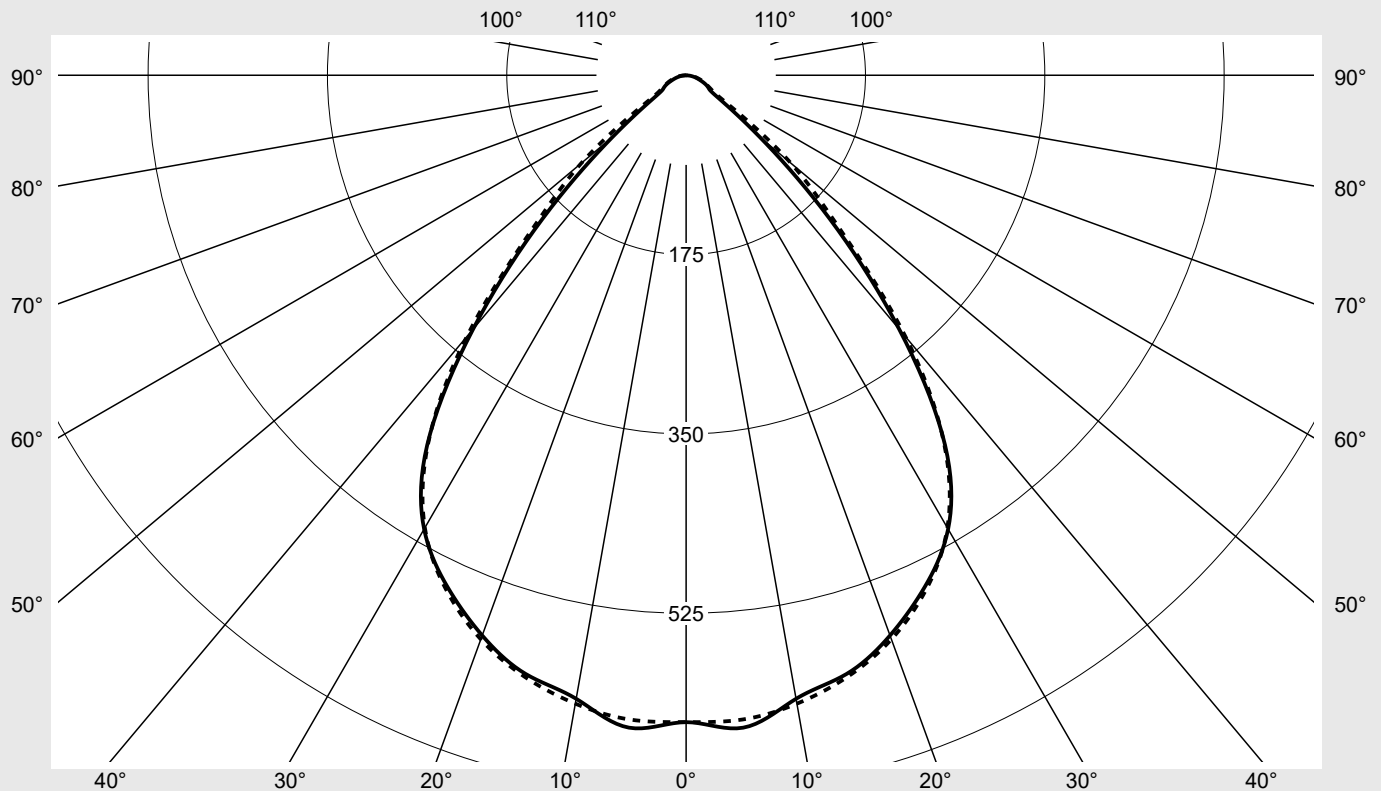
siteco

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

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.: 51MX23TBT5S EAN: 4058352687338	LP-Nummer 59330_164
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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
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

Familie Silica® 21	Bestell-Nr.: 51MX23TBT5S EAN: 4058352687338	LP-Nummer 59330_164
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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	20,0	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	19,8	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	20,1	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	19,3	19,0	19,8	20,2	18,8	19,6	19,2	20,0	20,5
	6H	18,6	19,3	19,1	19,7	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	19,1	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	19,2	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	20,1	19,1	19,4	19,6	20,0	20,5

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

Lichttechnische Abmessungen in mm: L = 1500, B = 50

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°		15075.3	15124.1	15251.9	15464.7	15675.5	15900.2	16116.3
50°		7849.2	9067.6	10200.3	9299.4	8379.5	9971.5	11166.7
55°		3532.2	4776.8	4517.0	5150.0	3884.7	5383.0	5006.4
60°		2739.1	2851.6	3025.5	2810.3	2802.6	2990.3	3114.4
65°		2666.1	2648.8	2759.4	2682.4	2809.2	2795.6	2834.7
70°		2387.4	2437.7	2537.4	2526.1	2572.1	2602.3	2734.4
75°		2195.9	2275.8	2505.2	2397.1	2450.4	2570.2	2574.6
80°		1976.1	2099.5	2318.0	2521.0	2333.5	2609.2	2615.1
85°		1493.8	1516.0	1617.1	1977.2	2131.3	2504.9	2627.6

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

