

Lichttechnischer Prüfbefund

Familie
Silica® 21

Bestell-Nr.: 51MX12TCTAW
EAN: 4058352807163

LP-Nummer
59272_56



Ausführung Einbauleuchte, Reflektor, schwarz, direkt strahlend, breit strahlend, UGR≤19 (L65≤1000cd/m²), Tunable White

Bestückung LED 2700 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung indiv. Einstellung

Bemessungswerte Nettolichtstrom = 9300 lm
Systemleistung = 91.4 W
Lichtausbeute = 101.8 lm/W

Seriendokumentation
03.05.2023

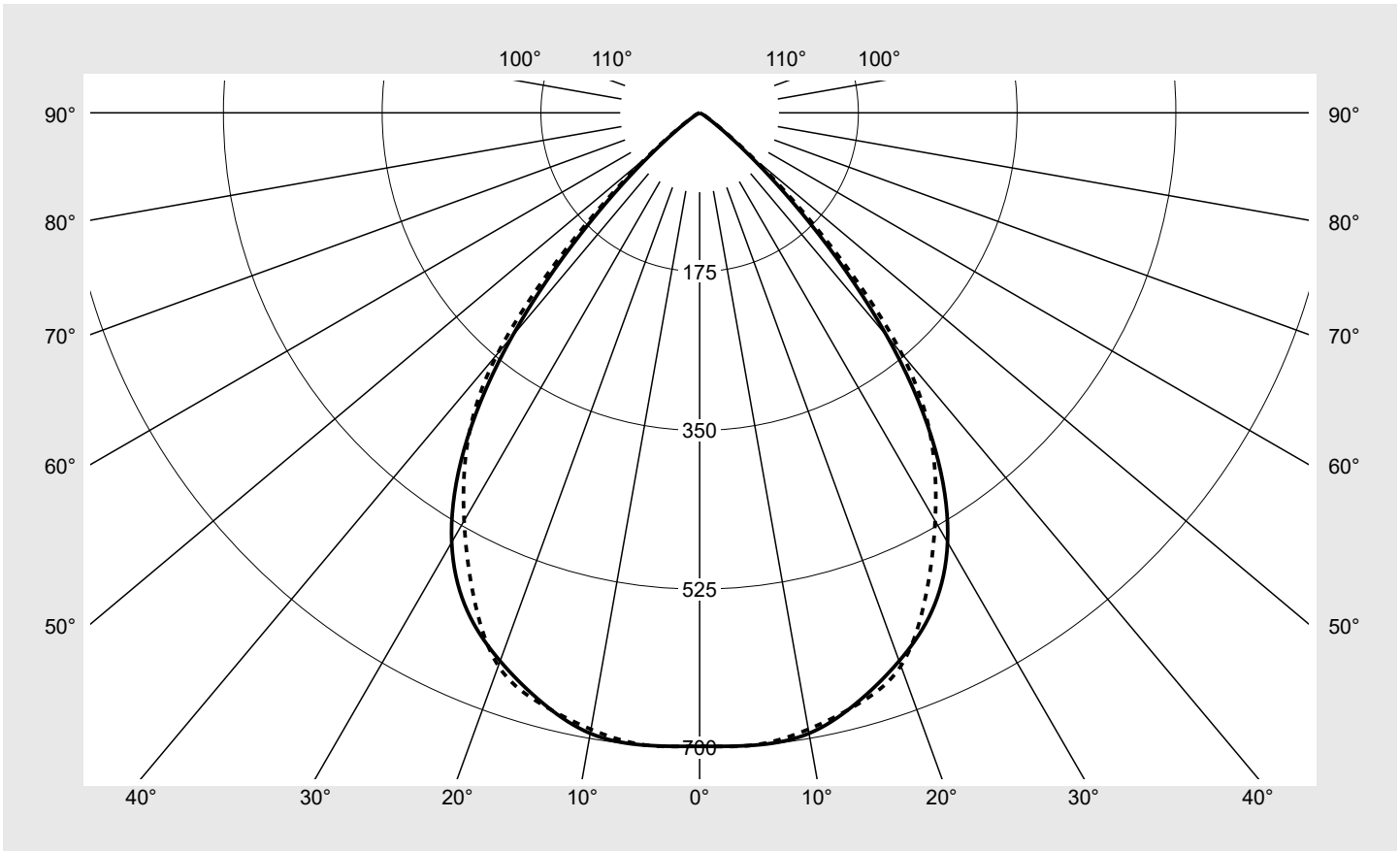
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 700 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=84 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

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
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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

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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

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 2940 B = 49
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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°		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

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

