

Lichttechnischer Prüfbefund

Familie
Silica® 21

Bestell-Nr.: 51MX6MTUT4W
EAN: 4069025006561

LP-Nummer
59273_165

Seriendokumentation
08.02.2024



Ausführung Einbauleuchte für Einlegemontage, weiß, quadratisch M625, Reflektor, weiß, breit strahlend, UGR≤19 (L65≤3000cd/m²), Tunable White

Bestückung LED 2700 K ... 6500 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Einstellung Werkseinstellung: Farbtemperatur 4000K

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

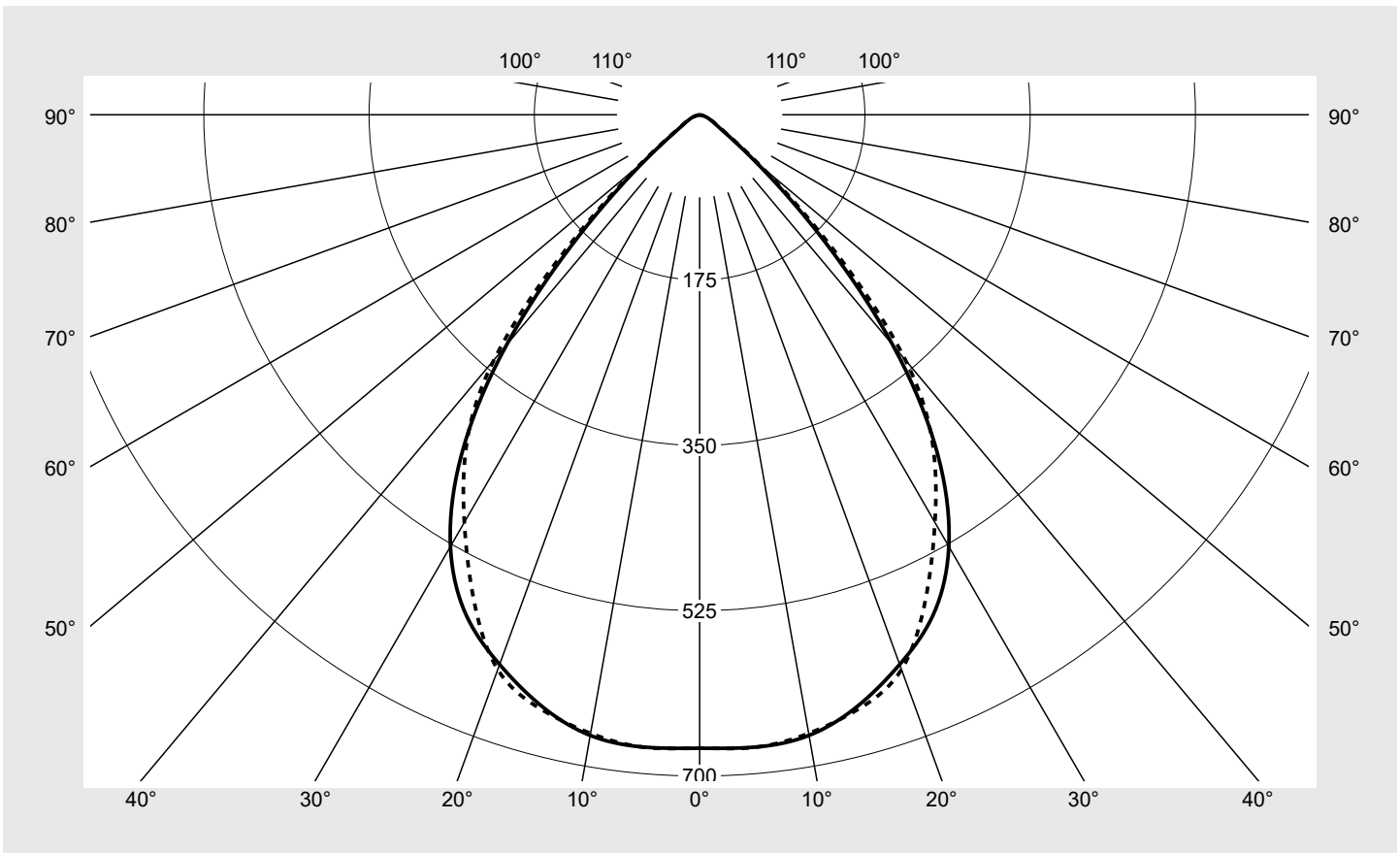
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Lichtstärke in cd/klm

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

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
		sITeco

C- Ebenen	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-Zone	Summe	
									Phi-Zone	
γ										
Lichtstärke in cd/klm										
Lichtstrom in lm/klm										
0°	670.6	670.6	670.6	670.6	670.6	670.6	670.6	4.0	4.0	4.0
5°	672.0	671.0	666.9	670.2	672.1	669.7	672.1	32.0	36.0	36.0
10°	667.2	667.8	663.6	668.3	668.0	663.2	665.0	63.4	99.4	99.4
15°	647.8	651.0	649.7	657.6	659.0	654.0	651.1	92.7	192.1	192.1
20°	619.2	626.0	627.7	630.1	631.8	628.0	625.0	117.7	309.8	309.8
25°	584.6	592.8	592.8	586.4	578.5	572.7	566.1	135.1	444.9	444.9
30°	527.7	537.5	532.7	518.6	502.8	496.8	498.3	141.7	586.5	586.5
35°	439.9	446.6	438.9	429.3	425.3	427.0	431.4	136.4	722.9	722.9
40°	317.9	323.5	324.7	330.5	337.1	337.4	339.0	116.4	839.3	839.3
45°	178.7	192.9	207.5	213.7	212.9	199.2	195.5	78.4	917.7	917.7
50°	76.9	85.7	98.8	104.0	103.2	87.9	84.3	39.2	956.9	956.9
55°	31.7	36.2	43.2	49.1	45.3	36.9	34.6	18.2	975.1	975.1
60°	18.6	20.0	23.1	25.7	23.4	20.6	20.0	10.4	985.6	985.6
65°	12.3	12.8	13.8	14.2	13.9	13.0	12.7	6.6	992.2	992.2
70°	8.3	8.6	8.1	7.9	8.2	8.8	8.7	4.3	996.5	996.5
75°	3.4	3.7	4.0	4.2	4.3	4.0	3.7	2.1	998.6	998.6
80°	1.6	1.6	1.7	1.7	1.8	1.8	1.8	0.9	999.6	999.6
85°	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.4	1000.0	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0	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

Leuchtdichten-Tabelle	Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm:	L = 294 B = 196
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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°		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/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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