

Lichttechnischer Prüfbefund

Familie
Silica® 21

Bestell-Nr.: 51MX6MDU34W
EAN: 4058352988886

LP-Nummer
59267_173



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

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 4600 lm
Systemleistung = 29.2 W
Lichtausbeute = 157.5 lm/W

Seriendokumentation
20.10.2023

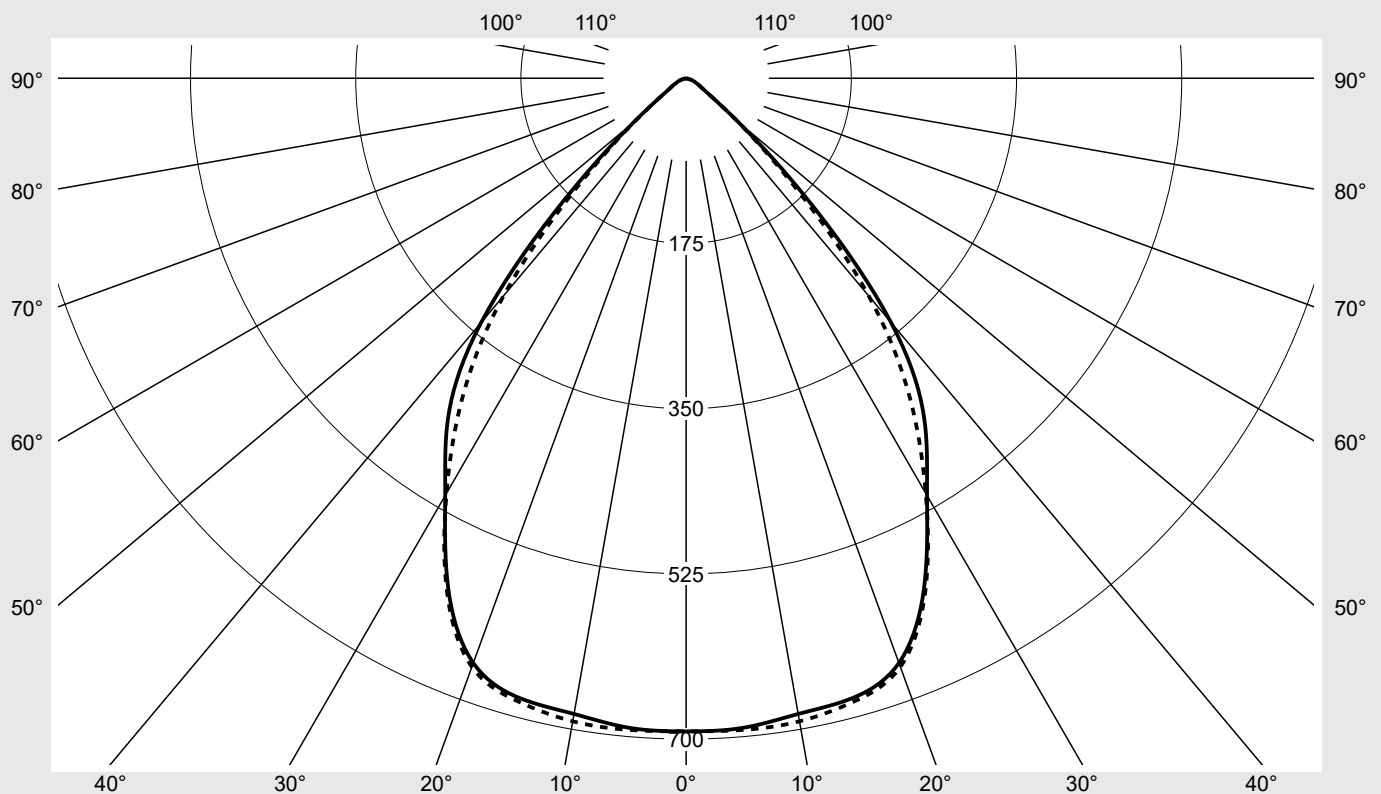
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 693 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=83 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°	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°	691.8	691.8	691.8	691.8	691.8	691.8	691.8	4.1	4.1
5°	690.7	689.7	686.1	690.3	692.9	690.5	692.9	33.0	37.1
10°	683.8	683.7	680.0	686.1	689.1	688.2	691.7	65.3	102.4
15°	679.8	682.8	679.6	683.5	685.2	682.6	683.9	96.8	199.2
20°	659.2	666.3	668.8	670.3	667.9	663.4	663.6	124.9	324.1
25°	596.3	606.7	617.7	624.9	617.5	607.1	599.6	141.8	465.9
30°	510.4	519.4	522.0	521.4	520.1	511.7	507.7	141.8	607.7
35°	439.7	447.6	431.3	414.6	422.9	421.6	413.2	134.4	742.1
40°	337.7	347.1	337.5	327.0	327.2	315.0	300.9	115.9	857.9
45°	183.5	191.6	192.8	192.4	185.5	172.4	164.1	71.6	929.5
50°	72.2	76.5	81.6	85.0	79.2	72.7	70.3	32.6	962.2
55°	28.9	31.6	36.0	41.5	36.6	30.9	28.5	15.4	977.5
60°	17.8	18.8	20.5	22.6	20.4	18.4	17.4	9.4	986.9
65°	11.5	12.0	12.6	12.8	12.4	11.7	11.3	6.0	992.9
70°	7.8	8.1	7.5	7.2	7.4	7.8	7.7	3.9	996.9
75°	3.2	3.4	3.7	3.8	3.8	3.6	3.3	1.9	998.8
80°	1.5	1.5	1.5	1.6	1.6	1.6	1.6	0.8	999.6
85°	0.7	0.7	0.7	0.7	0.7	0.8	0.8	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	19,4	20,7	19,7	21,0	21,3	19,0	20,3	19,4	20,7	21,0
	3H	19,3	20,5	19,7	20,8	21,1	19,0	20,1	19,3	20,5	20,8
	4H	19,3	20,3	19,7	20,7	21,0	18,9	20,0	19,3	20,3	20,7
	6H	19,2	20,2	19,6	20,5	20,9	18,9	19,8	19,3	20,2	20,6
	8H	19,2	20,1	19,7	20,5	20,9	18,9	19,7	19,3	20,1	20,5
	12H	19,2	20,0	19,6	20,4	20,8	18,9	19,7	19,3	20,0	20,5
4H	2H	19,2	20,3	19,6	20,7	21,0	18,9	20,0	19,3	20,3	20,7
	3H	19,2	20,0	19,6	20,4	20,9	18,8	19,7	19,3	20,1	20,5
	4H	19,1	19,9	19,6	20,3	20,7	18,8	19,6	19,2	20,0	20,4
	6H	19,0	19,7	19,5	20,1	20,6	18,7	19,4	19,2	19,8	20,3
	8H	19,0	19,6	19,5	20,0	20,5	18,7	19,3	19,2	19,7	20,2
	12H	19,0	19,5	19,5	20,0	20,5	18,7	19,2	19,2	19,6	20,1
8H	4H	19,0	19,6	19,5	20,0	20,5	18,7	19,3	19,2	19,7	20,2
	6H	18,9	19,4	19,4	19,9	20,4	18,6	19,1	19,1	19,6	20,1
	8H	18,9	19,3	19,4	19,8	20,3	18,6	19,0	19,1	19,5	20,0
	12H	18,9	19,2	19,4	19,7	20,2	18,5	18,9	19,1	19,4	19,9
12H	4H	19,0	19,5	19,5	20,0	20,5	18,7	19,2	19,2	19,6	20,1
	6H	18,9	19,3	19,4	19,8	20,3	18,6	19,0	19,1	19,5	20,0
	8H	18,9	19,2	19,4	19,7	20,2	18,5	18,9	19,1	19,4	19,9

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°		20713.6	21632.0	21762.3	21725.0	20936.9	19459.5	18524.3
50°		8967.0	9496.8	10130.9	10561.6	9836.7	9029.9	8736.3
55°		4028.4	4400.3	5014.6	5776.5	5091.9	4304.7	3962.7
60°		2838.0	2995.1	3273.4	3602.5	3261.9	2941.7	2783.6
65°		2174.1	2263.5	2387.9	2411.9	2338.1	2212.5	2136.7
70°		1832.0	1885.9	1754.9	1683.3	1719.2	1828.2	1801.2
75°		976.5	1061.3	1136.0	1186.8	1178.2	1107.0	1027.4
80°		677.2	690.0	710.3	715.3	737.8	753.0	747.9
85°		604.5	604.5	624.7	644.8	685.1	719.9	715.3

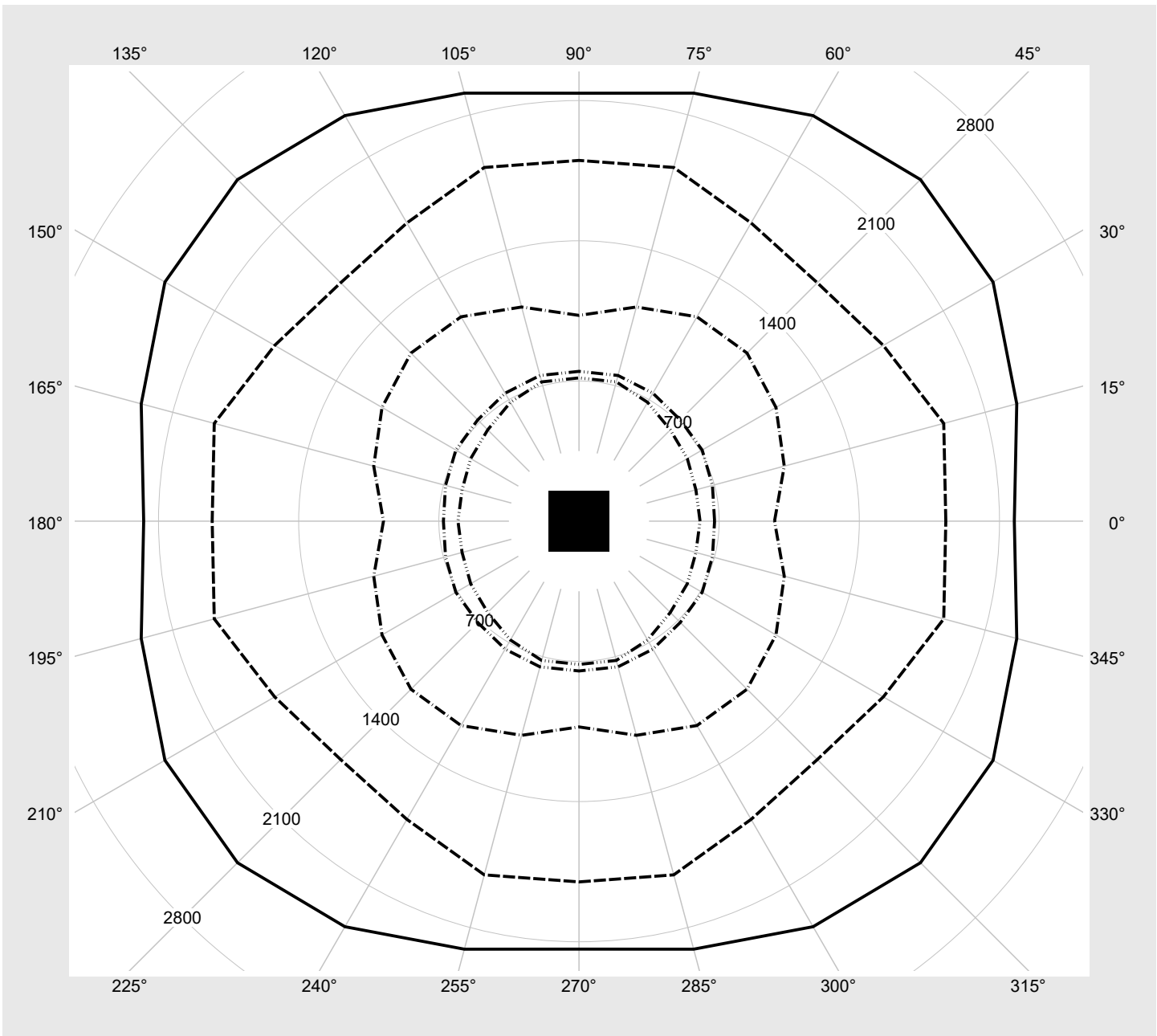
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Leuchtdichten in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°

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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	sITeco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	4600	29.2
95	240	252	4368	27.7
90	226	250	4134	26.1
85	213	248	3913	24.7
80	200	245	3688	23.2
75	186	243	3447	21.7
70	173	240	3220	20.3
65	160	237	2990	18.9
60	147	234	2759	17.5
55	134	231	2524	16.1
50	122	227	2305	14.8
45	109	223	2068	13.3
40	97	219	1846	11.9
35	84	213	1602	10.5
30	72	208	1377	9.2
25	60	201	1150	8.0
20	48	193	921	6.6
15	36	182	691	5.4
10	24	168	458	4.1
5	12	142	225	2.9
2	5	110	88	2.1