

Lichttechnischer Prüfbefund

Familie
Silica® 21

Bestell-Nr.: 51MX6KDU44W
EAN: 4058352880982

LP-Nummer
59266_198



Ausführung Einbauleuchte für Einlegemontage, weiß, quadratisch M625, Reflektor, schwarz, breit strahlend, UGR≤19 (L65≤1000cd/m²)

Bestückung LED 4000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 4600 lm
Systemleistung = 29.6 W
Lichtausbeute = 155.4 lm/W

Seriendokumentation
20.10.2023

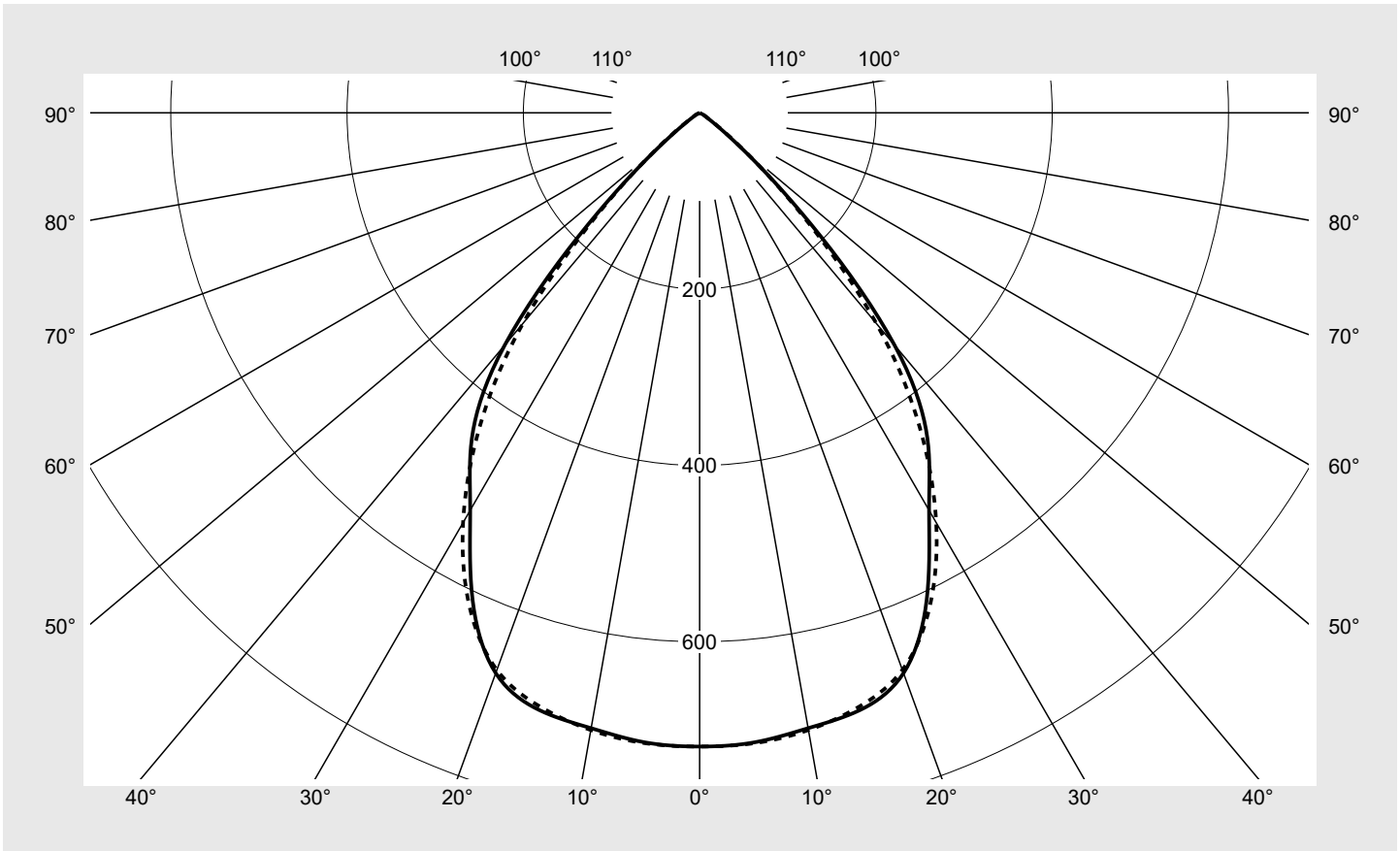
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 719 cd/klm



Klassifizierungen

DIN 5040 A 6 0
CIE N1=86 N2=100 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°	718.8	718.8	718.8	718.8	718.8	718.8	718.8	4.3	4.3
5°	716.8	715.7	712.2	716.2	717.8	715.2	717.7	34.2	38.5
10°	708.8	709.0	703.3	708.6	709.9	707.6	710.9	67.4	105.9
15°	701.5	704.3	697.3	698.3	698.8	696.7	697.6	99.2	205.1
20°	676.3	682.5	681.1	681.0	677.6	673.2	672.5	127.2	332.2
25°	609.5	618.9	627.5	636.4	634.5	625.9	617.8	145.0	477.3
30°	520.6	528.9	533.1	542.9	550.7	541.7	536.8	147.4	624.6
35°	450.5	455.7	444.2	436.3	445.0	443.0	435.2	139.8	764.4
40°	343.9	350.9	343.2	332.9	329.4	321.5	312.0	117.8	882.2
45°	178.2	185.2	190.8	192.2	186.9	176.3	167.1	71.3	953.5
50°	59.7	64.4	73.8	78.7	75.2	68.1	63.7	29.5	983.0
55°	15.6	18.5	24.7	31.2	26.2	20.2	17.4	10.3	993.3
60°	6.1	6.8	9.1	12.2	9.8	7.7	7.0	4.1	997.4
65°	2.1	2.4	3.4	4.3	3.8	3.0	2.8	1.6	999.0
70°	1.4	1.4	1.0	1.0	1.2	1.5	1.5	0.7	999.7
75°	0.3	0.4	0.3	0.4	0.4	0.5	0.4	0.2	999.9
80°	0.0	0.0	0.1	0.1	0.1	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	19,3	20,5	19,6	20,9	21,2	19,1	20,4	19,4	20,7	21,0
	3H	19,1	20,2	19,5	20,6	20,9	18,9	20,1	19,3	20,4	20,8
	4H	19,1	20,1	19,5	20,4	20,8	18,9	19,9	19,3	20,3	20,6
	6H	19,0	19,9	19,4	20,3	20,7	18,8	19,7	19,2	20,1	20,5
	8H	19,0	19,8	19,5	20,2	20,6	18,9	19,7	19,3	20,1	20,5
	12H	19,0	19,7	19,4	20,1	20,6	18,8	19,6	19,3	20,0	20,4
4H	2H	19,1	20,1	19,5	20,5	20,8	18,9	19,9	19,3	20,3	20,7
	3H	18,9	19,8	19,3	20,2	20,6	18,7	19,6	19,2	20,0	20,4
	4H	18,8	19,6	19,3	20,0	20,4	18,7	19,4	19,1	19,8	20,3
	6H	18,7	19,4	19,2	19,8	20,3	18,6	19,2	19,0	19,6	20,1
	8H	18,7	19,3	19,2	19,7	20,2	18,5	19,1	19,0	19,6	20,0
	12H	18,7	19,2	19,2	19,6	20,1	18,5	19,0	19,0	19,5	20,0
8H	4H	18,7	19,3	19,2	19,7	20,2	18,5	19,1	19,0	19,6	20,0
	6H	18,6	19,1	19,1	19,5	20,1	18,4	18,9	18,9	19,4	19,9
	8H	18,5	19,0	19,1	19,4	20,0	18,4	18,8	18,9	19,3	19,8
	12H	18,5	18,8	19,0	19,3	19,9	18,3	18,7	18,9	19,2	19,7
12H	4H	18,7	19,2	19,2	19,6	20,1	18,5	19,0	19,0	19,5	20,0
	6H	18,6	19,0	19,1	19,4	20,0	18,4	18,8	18,9	19,3	19,8
	8H	18,5	18,8	19,0	19,3	19,9	18,3	18,7	18,9	19,2	19,7

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°		20118.4	20912.3	21535.7	21699.5	21100.8	19897.6	18867.6	
50°		7419.0	8002.9	9160.5	9769.5	9333.9	8459.8	7916.6	
55°		2172.4	2572.8	3432.3	4346.6	3644.2	2815.2	2422.4	
60°		973.7	1088.5	1459.6	1947.3	1570.7	1229.0	1112.3	
65°		397.4	456.9	634.3	802.8	715.1	563.6	521.0	
70°		316.3	330.3	244.1	229.0	276.1	355.2	358.0	
75°		87.9	117.2	95.3	133.9	122.8	146.8	128.3	
80°		22.1	22.1	32.6	49.2	65.7	76.3	87.3	
85°		22.0	38.5	48.5	87.0	125.5	152.0	163.0	

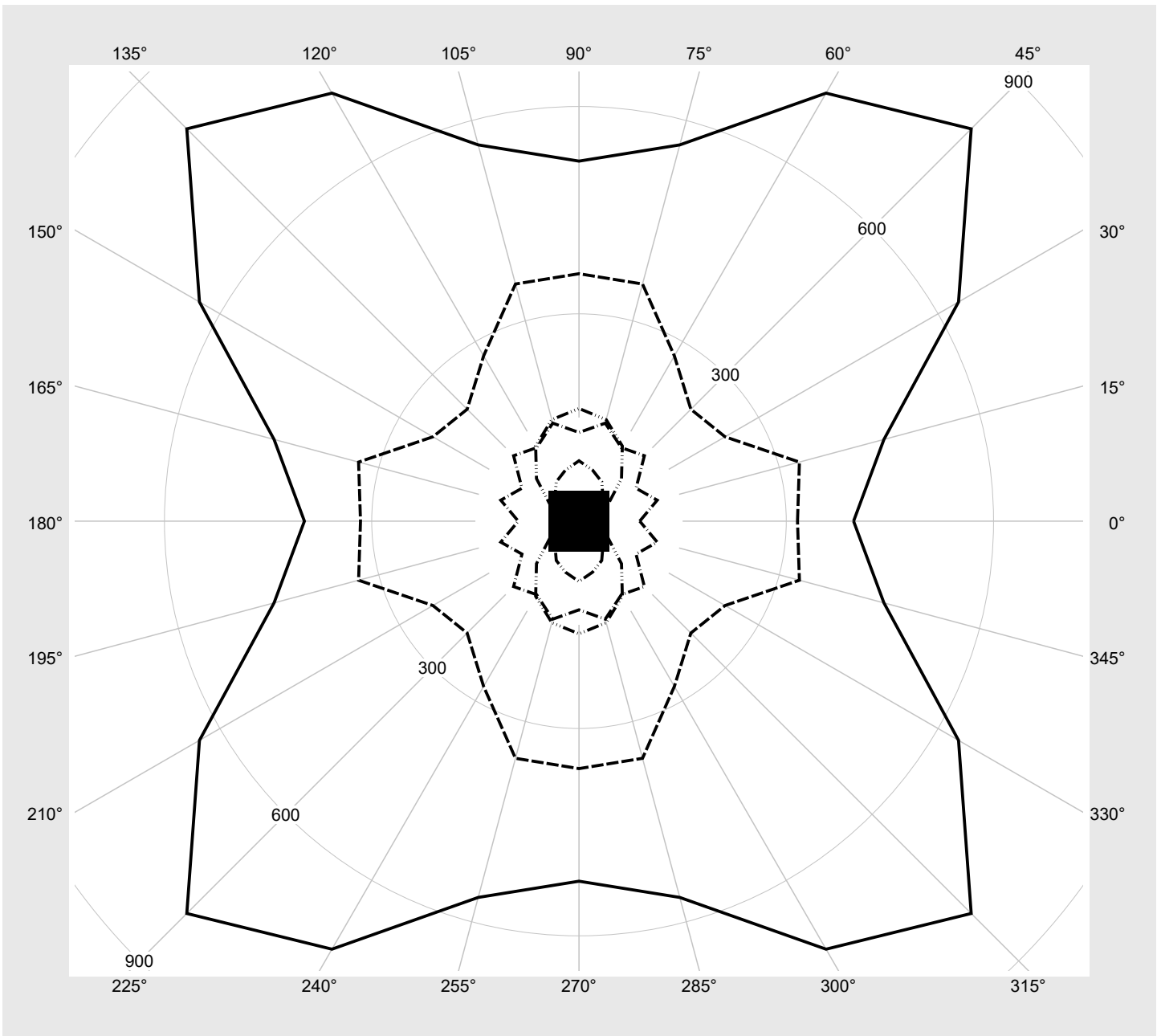
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Leuchtdichten in cd/m²

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	29.6
95	240	252	4367	28.0
90	227	250	4148	26.6
85	213	248	3910	25.0
80	200	245	3686	23.5
75	186	243	3443	22.0
70	173	240	3216	20.6
65	160	237	2985	19.1
60	147	234	2754	17.7
55	135	231	2537	16.3
50	122	227	2300	15.0
45	109	223	2062	13.5
40	97	219	1841	12.0
35	85	214	1617	10.7
30	72	208	1373	9.3
25	60	201	1147	8.1
20	48	193	918	6.7
15	36	182	689	5.4
10	24	168	457	4.2
5	12	142	224	2.9
2	5	110	88	2.1