

Lichttechnischer Prüfbefund

Familie
Silica® 21

Bestell-Nr.: 51MX6KDS34B
EAN: 4069025400680

LP-Nummer
59266_330



Ausführung Einbauleuchte für Einlegemontage, schwarz, quadratisch M600, Reflektor, schwarz, breit strahlend, $UGR \leq 19$ ($L65 \leq 1000 \text{ cd/m}^2$)

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte
Nettolichtstrom = 4600 lm
Systemleistung = 33.7 W
Lichtausbeute = 136.5 lm/W

Seriendokumentation
18.03.2025

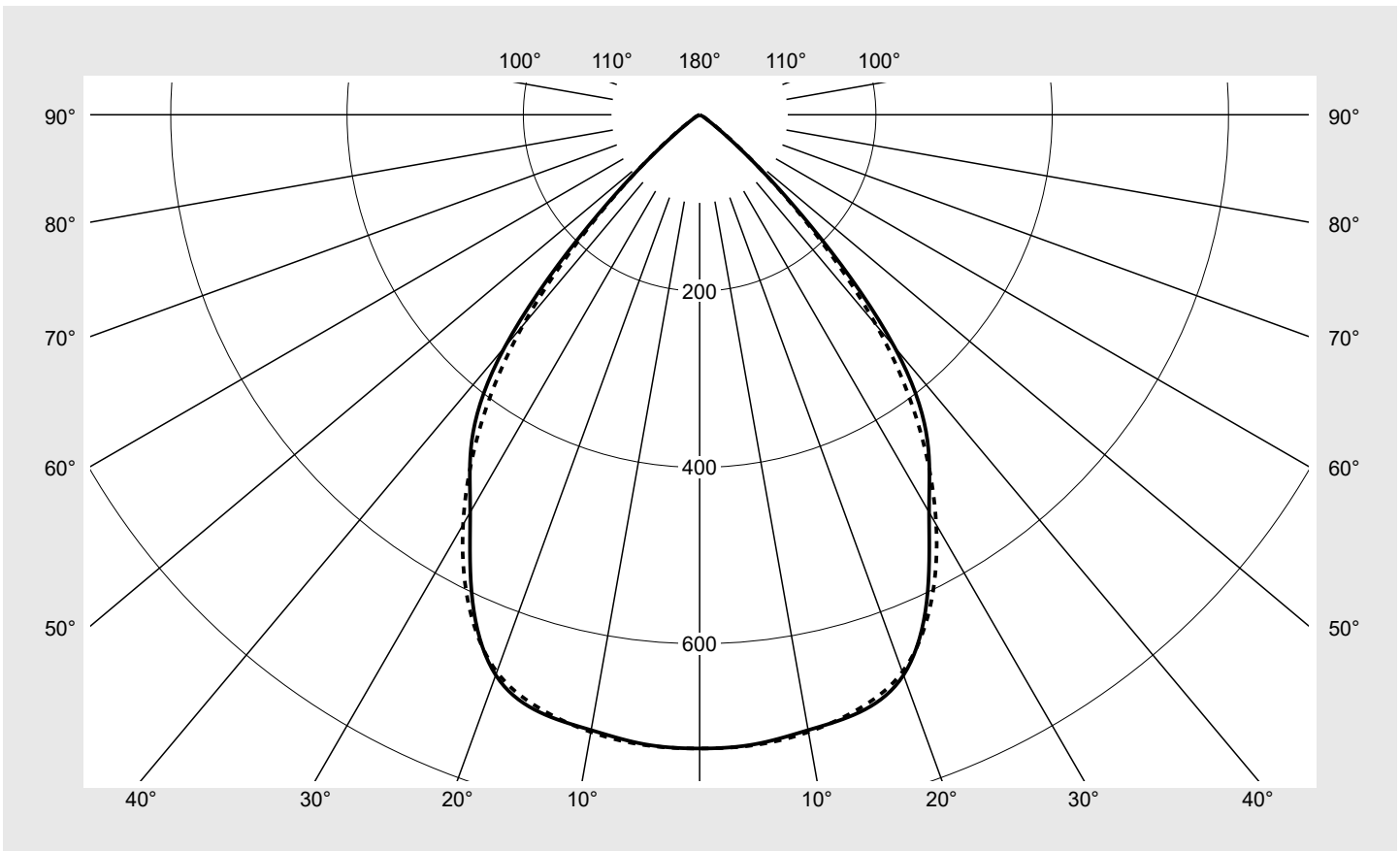
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Lichtstärke in cd/klm

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

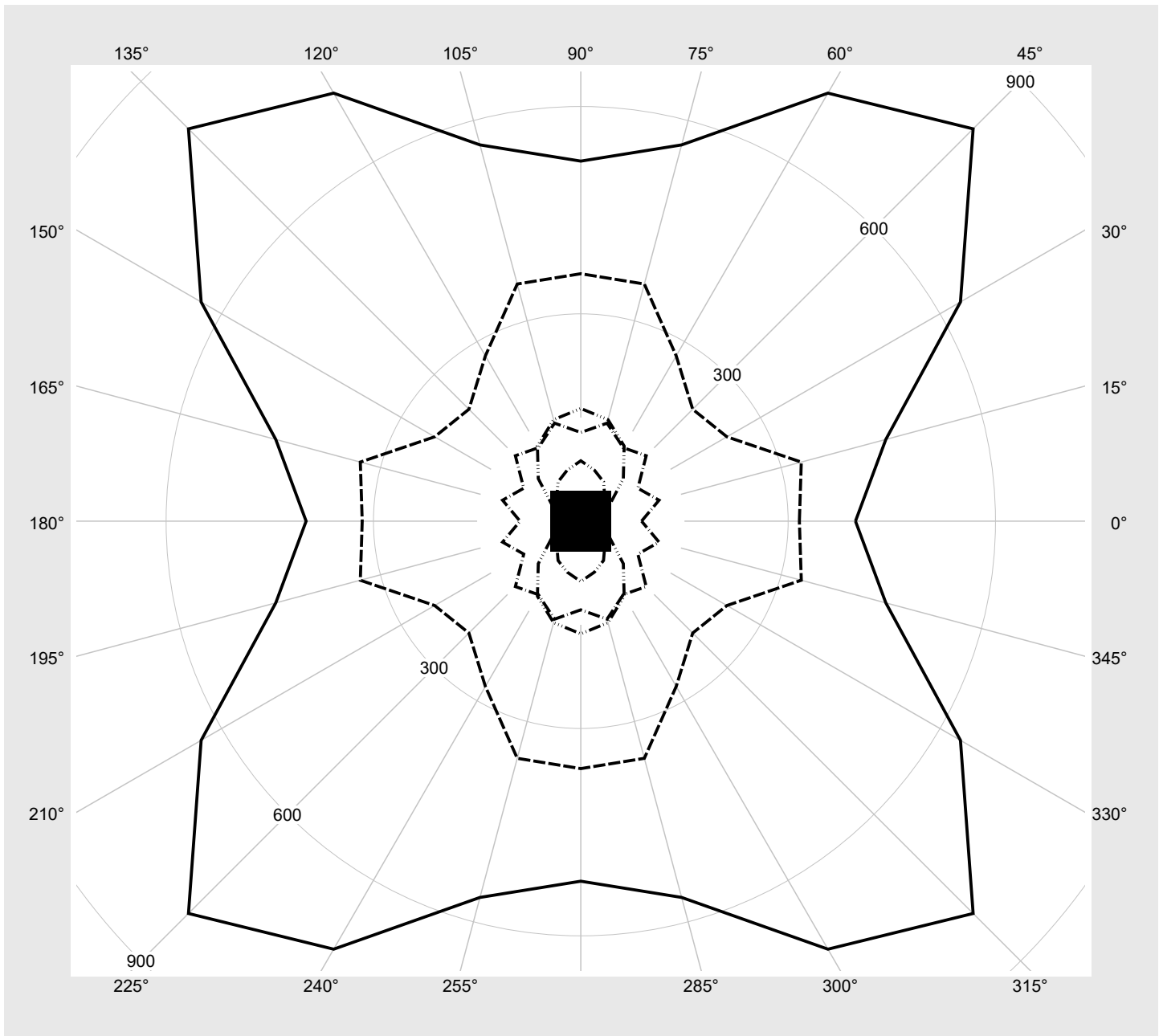
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 294 B = 196
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C- Ebenen	γ	Leuchtdichte in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	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° **siteco**



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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	33.7
95	240	252	4373	31.9
90	226	250	4141	30.0
85	212	247	3906	28.1
80	199	245	3686	26.5
75	185	242	3446	24.7
70	172	240	3219	23.0
65	159	237	2991	21.4
60	146	234	2760	19.8
55	133	230	2526	18.2
50	121	227	2307	16.6
45	108	223	2068	15.1
40	96	218	1846	13.5
35	83	213	1603	11.7
30	71	207	1374	10.3
25	59	201	1146	8.8
20	47	192	915	7.3
15	35	181	681	5.8
10	24	168	465	4.5
5	12	142	229	3.1
2	4	102	71	2.0