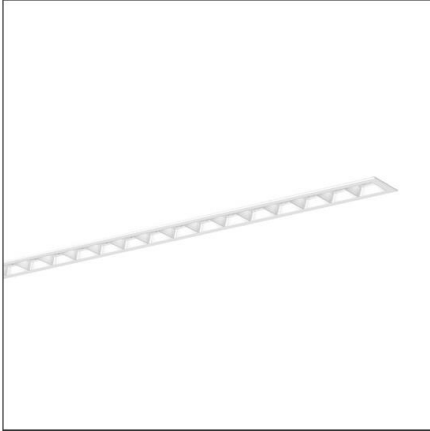


Lichttechnischer Prüfbefund

Familie
Silica® 21

Bestell-Nr.: 51MX16DB35WB
EAN: 4058352907603

LP-Nummer
59267_153



Ausführung Einbauleuchte, Reflektor, weiß, direkt strahlend, breit strahlend, UGR≤19 (L65≤3000cd/m²)

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 5400 lm
Systemleistung = 31.4 W
Lichtausbeute = 172 lm/W

Seriendokumentation
02.08.2023

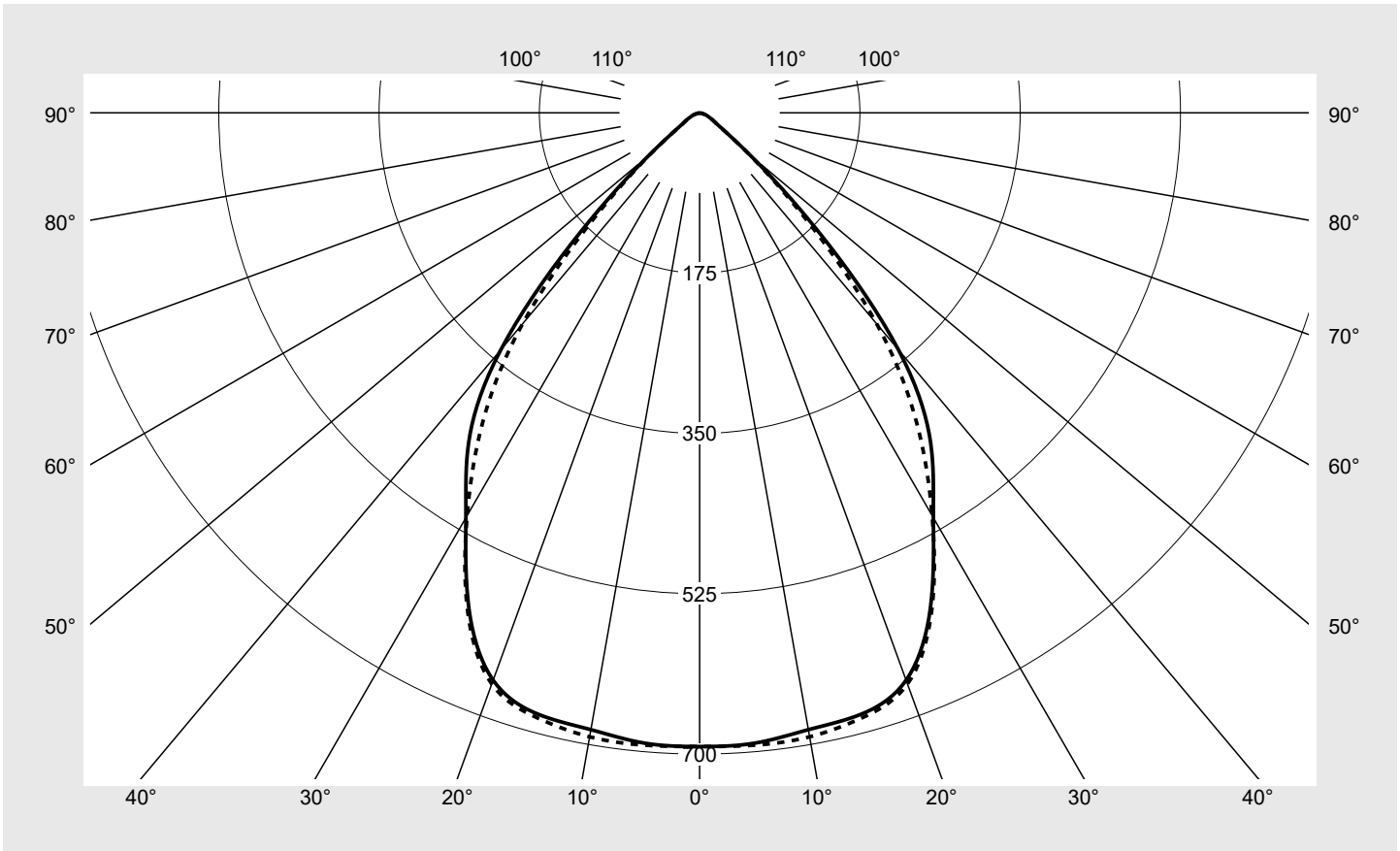
siteco

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

Lichttechnischer Prüfbefund

Familie Silica® 21	Bestell-Nr.: 51MX16DB35WB EAN: 4058352907603	LP-Nummer 59267_153
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

Lichttechnischer Prüfbefund

Familie Silica® 21	Bestell-Nr.: 51MX16DB35WB EAN: 4058352907603	LP-Nummer 59267_153
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	19,2	20,5	19,5	20,8	21,1	18,8	20,1	19,2	20,4	20,8
	3H	19,1	20,2	19,5	20,6	20,9	18,7	19,9	19,1	20,2	20,6
	4H	19,0	20,1	19,4	20,4	20,8	18,7	19,8	19,1	20,1	20,5
	6H	19,0	19,9	19,4	20,3	20,7	18,6	19,6	19,1	20,0	20,4
	8H	19,0	19,9	19,5	20,2	20,6	18,7	19,5	19,1	19,9	20,3
	12H	19,0	19,8	19,4	20,2	20,6	18,7	19,4	19,1	19,8	20,2
4H	2H	19,0	20,1	19,4	20,4	20,8	18,7	19,7	19,1	20,1	20,5
	3H	19,0	19,8	19,4	20,2	20,6	18,6	19,5	19,1	19,9	20,3
	4H	18,9	19,7	19,3	20,1	20,5	18,6	19,3	19,0	19,8	20,2
	6H	18,8	19,5	19,3	19,9	20,4	18,5	19,2	19,0	19,6	20,1
	8H	18,8	19,4	19,3	19,8	20,3	18,5	19,1	18,9	19,5	20,0
	12H	18,8	19,3	19,3	19,7	20,2	18,5	19,0	19,0	19,4	19,9
8H	4H	18,8	19,4	19,3	19,8	20,3	18,5	19,1	18,9	19,5	20,0
	6H	18,7	19,2	19,2	19,7	20,2	18,4	18,9	18,9	19,3	19,9
	8H	18,7	19,1	19,2	19,6	20,1	18,3	18,8	18,8	19,3	19,8
	12H	18,6	19,0	19,2	19,5	20,0	18,3	18,7	18,8	19,2	19,7
12H	4H	18,8	19,3	19,3	19,7	20,2	18,5	19,0	19,0	19,4	19,9
	6H	18,7	19,1	19,2	19,6	20,1	18,4	18,8	18,9	19,2	19,8
	8H	18,6	19,0	19,2	19,5	20,0	18,3	18,7	18,8	19,2	19,7

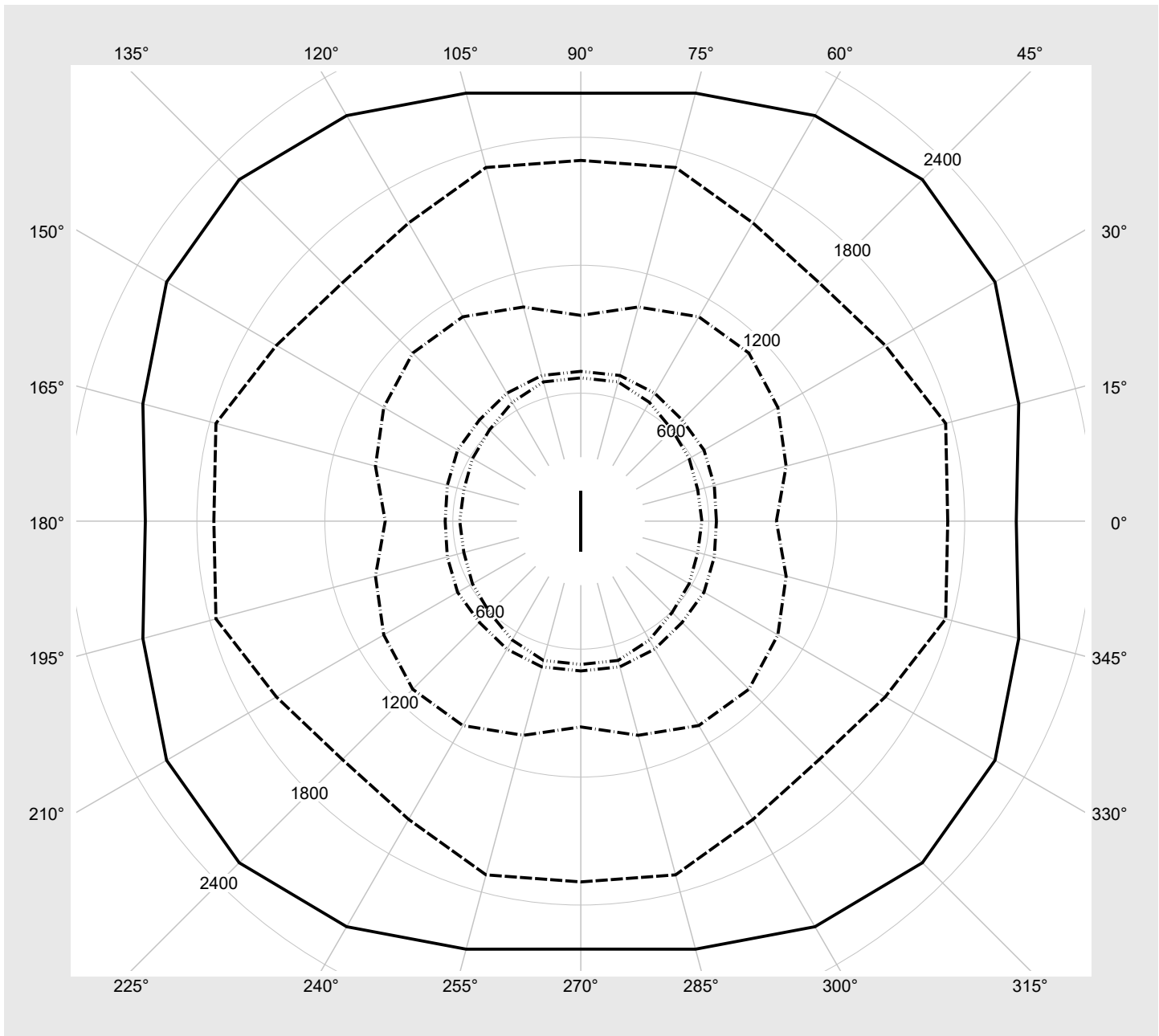
Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$	Lichttechnische Abmessungen in mm: L = 1470 B = 49
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C-Ebenen	γ	Leuchtdichte in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		19452.8	20315.3	20437.6	20402.6	19662.5	18275.0	17396.7
50°		8421.2	8918.7	9514.3	9918.7	9238.0	8480.2	8204.5
55°		3783.2	4132.5	4709.4	5424.9	4781.9	4042.7	3721.5
60°		2665.3	2812.8	3074.2	3383.2	3063.4	2762.6	2614.2
65°		2041.8	2125.7	2242.6	2265.1	2195.7	2077.8	2006.6
70°		1720.5	1771.1	1648.1	1580.8	1614.6	1716.9	1691.5
75°		917.1	996.7	1066.8	1114.6	1106.5	1039.6	964.8
80°		635.9	648.0	667.0	671.8	692.9	707.2	702.4
85°		567.7	567.7	586.6	605.6	643.4	676.1	671.8

Lichttechnischer Prüfbefund

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



Lichttechnischer Prüfbefund

Familie Silica® 21	Bestell-Nr.: 51MX16DB35WB EAN: 4058352907603	LP-Nummer 59267_153
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
sITeco		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	5400	31.4
95	241	252	5138	29.7
90	227	250	4855	28.0
85	214	248	4591	26.3
80	201	245	4325	24.8
75	188	243	4057	23.1
70	175	240	3787	21.5
65	162	238	3516	19.9
60	149	234	3242	18.3
55	136	231	2966	16.8
50	124	228	2710	15.4
45	111	224	2431	13.8
40	98	219	2151	12.2
35	86	214	1891	10.8
30	74	209	1630	9.5
25	61	202	1345	8.0
20	49	194	1081	6.7
15	37	183	814	5.3
10	25	169	547	3.9
5	13	145	280	2.4
3	8	127	167	1.5