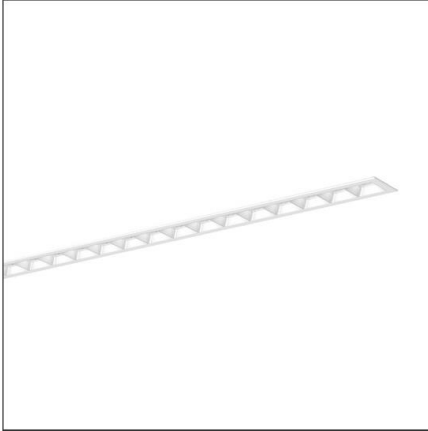


Lichttechnischer Prüfbefund

Familie
Silica® 21

Bestell-Nr.: 51MX16DC3AWB
EAN: 4058352907641

LP-Nummer
59267_155



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

Bestückung LED 3000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 10800 lm
Systemleistung = 63.6 W
Lichtausbeute = 169.8 lm/W

Seriendokumentation
02.08.2023

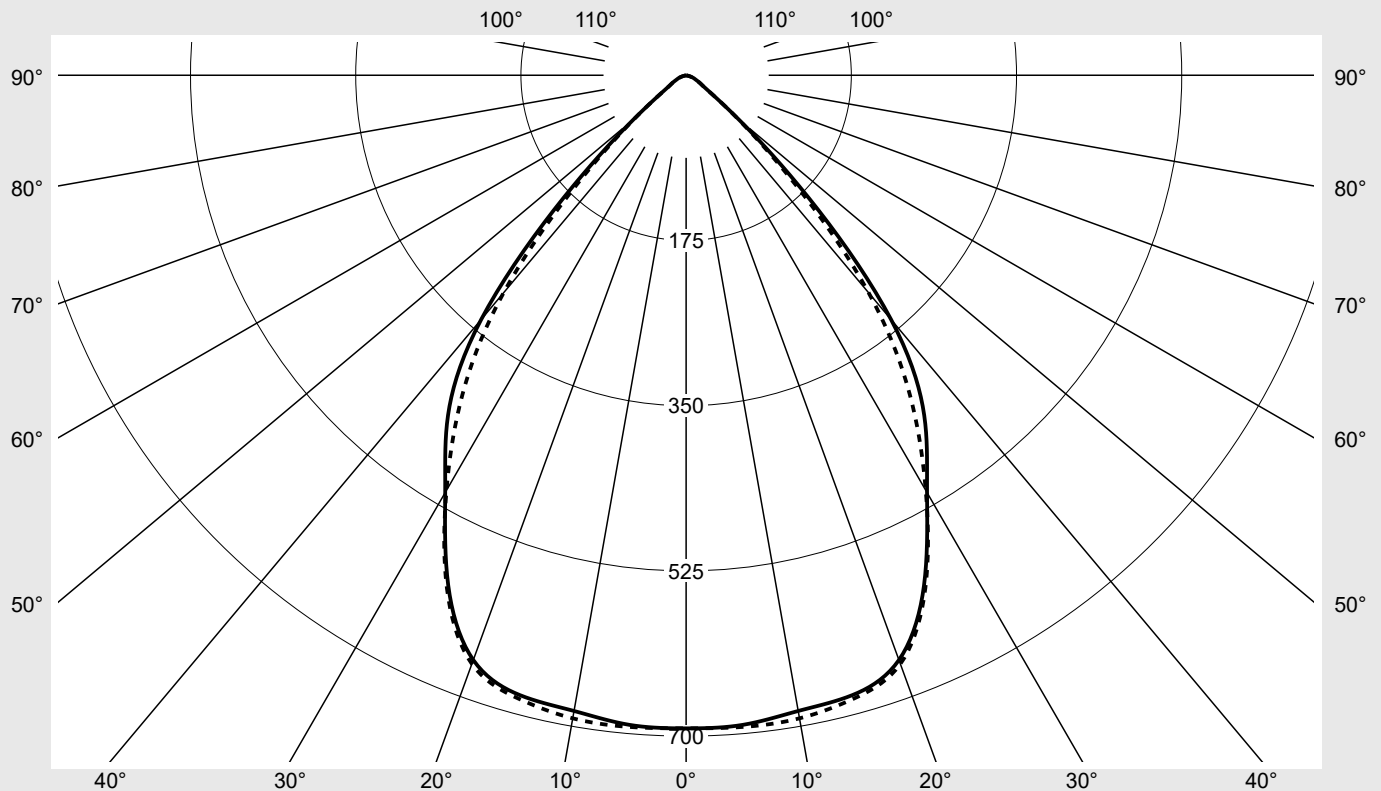
siteco

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.: 51MX16DC3AWB EAN: 4058352907641	LP-Nummer 59267_155
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.: 51MX16DC3AWB EAN: 4058352907641	LP-Nummer 59267_155
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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 $\gamma \geq 65^\circ$

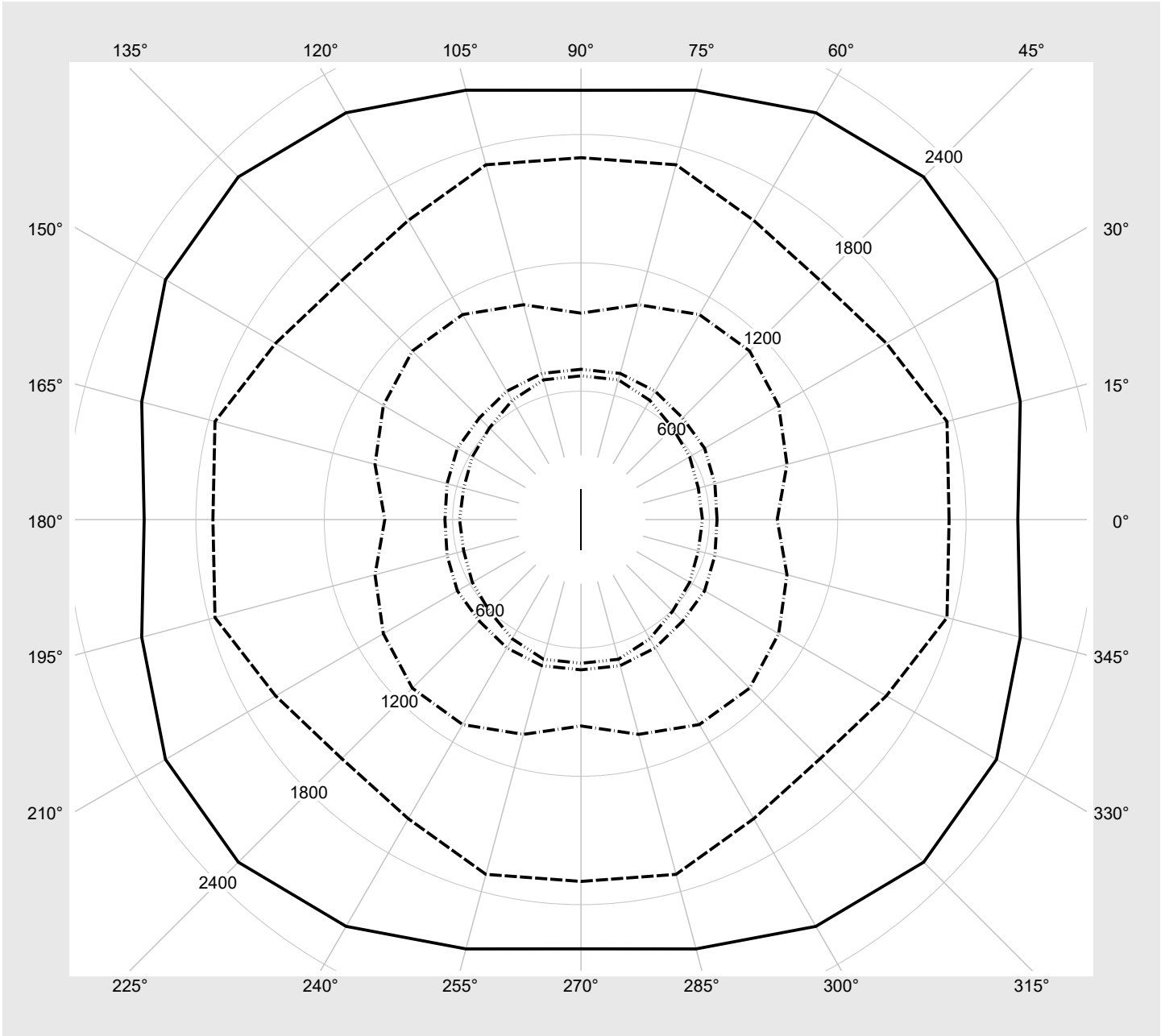
Lichttechnische Abmessungen in mm: L = 2940, B = 49

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	

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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	10800	63.6
95	241	252	10277	60.4
90	227	250	9710	57.1
85	214	248	9182	54.0
80	201	245	8651	50.9
75	188	243	8115	47.8
70	175	240	7576	44.5
65	162	238	7031	41.6
60	149	234	6486	38.4
55	136	231	5932	35.4
50	124	228	5421	32.4
45	111	224	4863	29.3
40	98	219	4303	26.3
35	86	214	3783	23.5
30	74	209	3260	20.8
25	61	202	2690	17.8
20	49	194	2162	14.9
15	37	183	1628	12.0
10	25	169	1095	9.1
5	13	145	559	5.8
3	8	127	335	4.0