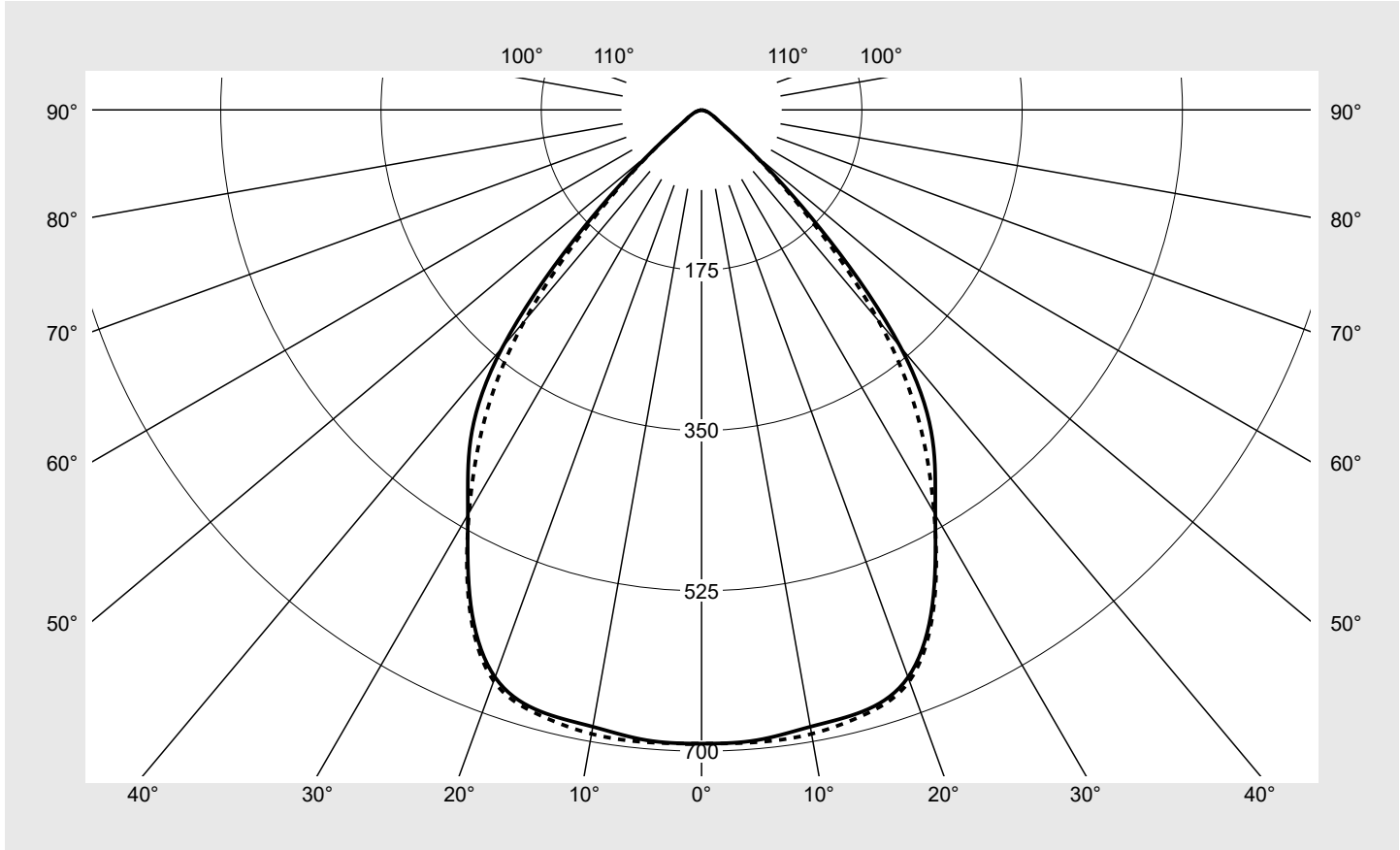


Photometric test report

Family Licross® 21 Silica	Order number: 51TS12DN4ZM00581XX EAN: 4058352957462	LP number 59267_156
	Version reflector, white, direct distribution, wide distribution, UGR≤19 (L65≤3000cd/m²) Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 5810 lm Power consumption = 32.7 W Luminous efficacy = 177.7 lm/W	serial documentation 23.08.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 693 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=83 N2=98 N3=100 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Silica	Order number: 51TS12DN4ZM00581XX EAN: 4058352957462	LP number 59267_156
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
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

Photometric test report

Family Licross® 21 Silica	Order number: 51TS12DN4ZM00581XX EAN: 4058352957462	LP number 59267_156
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UGR-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	19.4	20.7	19.8	21.0	21.4	19.1	20.4	19.4	20.7	21.0
	3H	19.3	20.5	19.7	20.8	21.2	19.0	20.2	19.4	20.5	20.8
	4H	19.3	20.3	19.7	20.7	21.1	19.0	20.0	19.3	20.4	20.7
	6H	19.2	20.2	19.6	20.6	21.0	18.9	19.9	19.3	20.2	20.6
	8H	19.3	20.1	19.7	20.5	20.9	18.9	19.8	19.4	20.2	20.6
	12H	19.3	20.0	19.7	20.4	20.8	18.9	19.7	19.3	20.1	20.5
4H	2H	19.3	20.3	19.7	20.7	21.1	18.9	20.0	19.3	20.4	20.7
	3H	19.2	20.1	19.6	20.5	20.9	18.9	19.8	19.3	20.1	20.6
	4H	19.1	19.9	19.6	20.3	20.8	18.8	19.6	19.3	20.0	20.4
	6H	19.1	19.7	19.5	20.2	20.6	18.8	19.4	19.2	19.9	20.3
	8H	19.0	19.6	19.5	20.1	20.6	18.7	19.3	19.2	19.8	20.2
	12H	19.0	19.5	19.5	20.0	20.5	18.7	19.2	19.2	19.7	20.2
8H	4H	19.0	19.6	19.5	20.1	20.6	18.7	19.3	19.2	19.8	20.2
	6H	19.0	19.4	19.5	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	20.3	18.6	18.9	19.1	19.4	20.0
12H	4H	19.0	19.5	19.5	20.0	20.5	18.7	19.2	19.2	19.7	20.2
	6H	18.9	19.3	19.5	19.8	20.3	18.6	19.0	19.1	19.5	20.0
	8H	18.9	19.2	19.4	19.7	20.3	18.6	18.9	19.1	19.4	20.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1470 B = 49
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C-planes	γ	Luminance 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°		20929.8	21857.7	21989.4	21951.7	21155.4	19662.5	18717.6	
50°		9060.6	9595.9	10236.6	10671.8	9939.4	9124.1	8827.4	
55°		4070.5	4446.2	5067.0	5836.8	5145.0	4349.6	4004.1	
60°		2867.7	3026.4	3307.6	3640.1	3296.0	2972.4	2812.6	
65°		2196.8	2287.1	2412.8	2437.1	2362.5	2235.5	2159.0	
70°		1851.1	1905.6	1773.3	1700.9	1737.2	1847.3	1820.0	
75°		986.7	1072.4	1147.8	1199.2	1190.5	1118.5	1038.1	
80°		684.2	697.2	717.7	722.8	745.5	760.9	755.8	
85°		610.8	610.8	631.2	651.5	692.3	727.4	722.8	

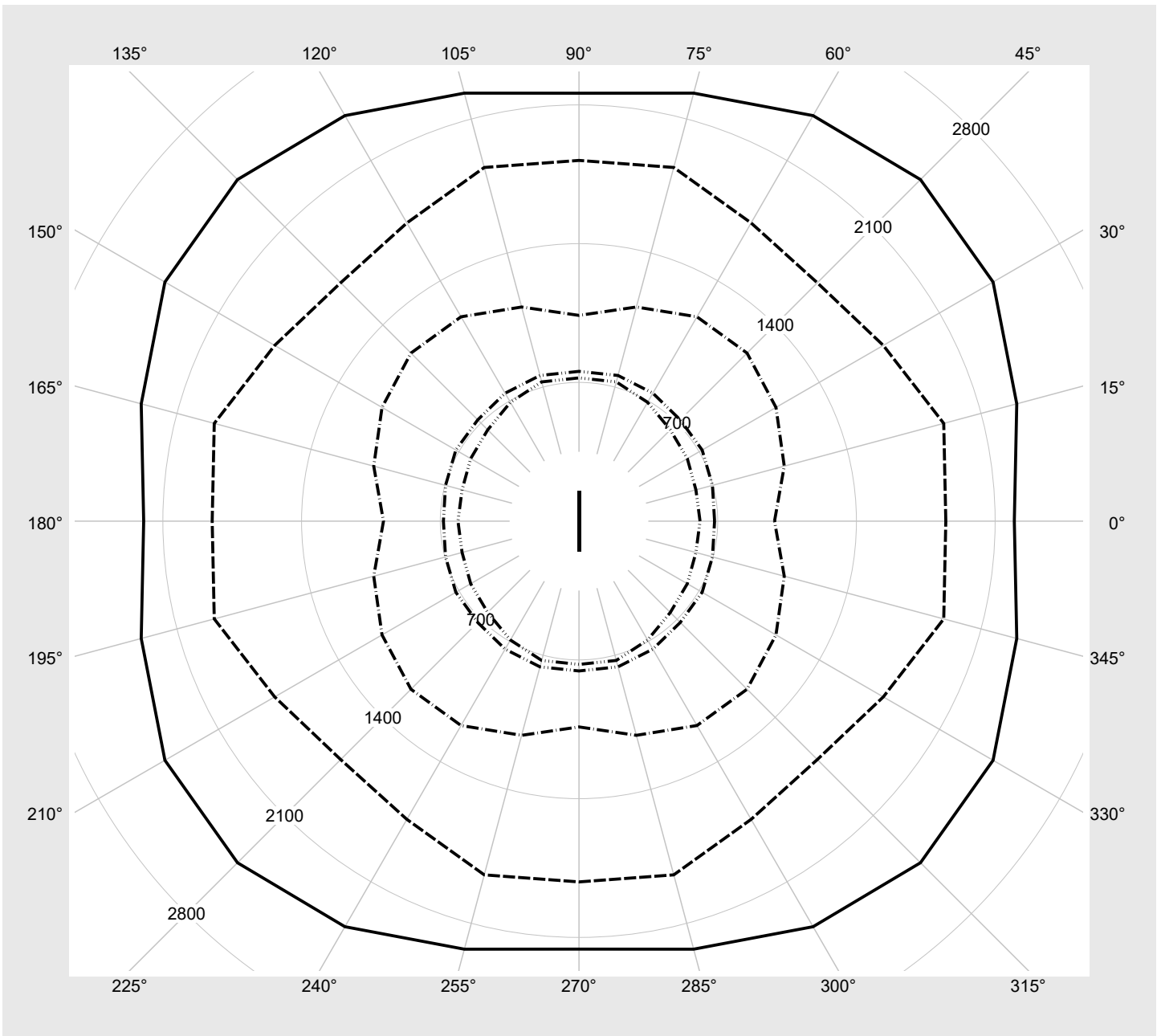
Photometric test report

Family
Licross® 21 Silica

Order number: 51TS12DN4ZM00581XX
EAN: 4058352957462

LP number
59267_156

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



Photometric test report

Family Licross® 21 Silica	Order number: 51TS12DN4ZM00581XX EAN: 4058352957462	LP number 59267_156
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	5810	32.7
95	241	252	5529	31.1
90	227	250	5222	29.3
85	214	248	4937	27.7
80	201	245	4651	26.1
75	188	243	4362	24.4
70	175	240	4072	22.8
65	162	238	3779	21.2
60	149	234	3485	19.6
55	136	231	3186	18.0
50	124	228	2912	16.5
45	111	224	2612	14.9
40	99	219	2334	13.4
35	86	214	2031	11.8
30	74	209	1750	10.4
25	61	202	1444	8.9
20	49	194	1160	7.4
15	37	183	874	5.9
10	25	169	587	4.5
5	13	145	300	3.1
2	5	110	107	2.1