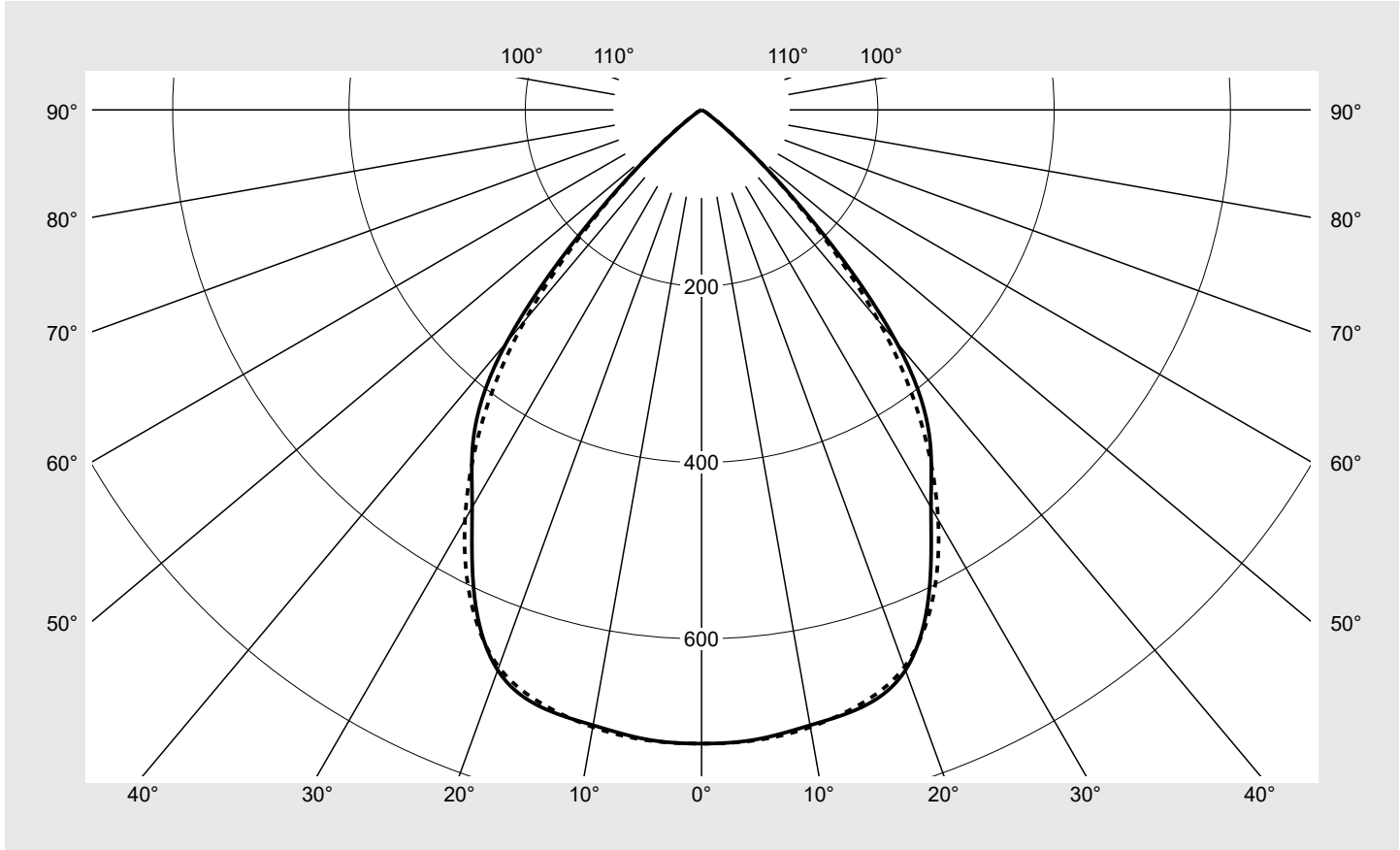


Photometric test report

Family Licross® 21 Silica	Order number: 51TS12DN4ZM00582XX EAN: 4058352960011	LP number 59266_172
	Version reflector, black, direct distribution, wide distribution, UGR≤19 (L65≤1000cd/m²) Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 6340 lm Power consumption = 39.0 W Luminous efficacy = 162.6 lm/W	serial documentation 23.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 719 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=86 N2=100 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: 51TS12DN4ZM00582XX EAN: 4058352960011	LP number 59266_172
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°	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

Photometric test report

Family Licross® 21 Silica	Order number: 51TS12DN4ZM00582XX EAN: 4058352960011	LP number 59266_172
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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	19.6	20.9	20.0	21.2	21.5	19.4	20.7	19.8	21.0	21.3
	3H	19.5	20.6	19.8	20.9	21.3	19.3	20.4	19.7	20.8	21.1
	4H	19.4	20.4	19.8	20.8	21.2	19.2	20.3	19.6	20.6	21.0
	6H	19.3	20.3	19.7	20.6	21.0	19.2	20.1	19.6	20.5	20.9
	8H	19.4	20.2	19.8	20.6	21.0	19.2	20.0	19.6	20.4	20.8
	12H	19.3	20.1	19.8	20.5	20.9	19.2	19.9	19.6	20.3	20.7
4H	2H	19.4	20.4	19.8	20.8	21.2	19.2	20.3	19.6	20.6	21.0
	3H	19.3	20.1	19.7	20.5	20.9	19.1	19.9	19.5	20.3	20.7
	4H	19.2	19.9	19.6	20.3	20.8	19.0	19.7	19.4	20.2	20.6
	6H	19.1	19.7	19.6	20.2	20.6	18.9	19.6	19.4	20.0	20.5
	8H	19.0	19.6	19.5	20.1	20.6	18.9	19.4	19.4	19.9	20.4
	12H	19.0	19.5	19.5	20.0	20.5	18.9	19.3	19.4	19.8	20.3
8H	4H	19.0	19.6	19.5	20.1	20.6	18.9	19.4	19.4	19.9	20.4
	6H	18.9	19.4	19.4	19.9	20.4	18.8	19.2	19.3	19.7	20.2
	8H	18.9	19.3	19.4	19.8	20.3	18.7	19.1	19.2	19.6	20.1
	12H	18.9	19.2	19.4	19.7	20.2	18.7	19.0	19.2	19.5	20.1
12H	4H	19.0	19.5	19.5	20.0	20.5	18.9	19.3	19.4	19.8	20.3
	6H	18.9	19.3	19.4	19.8	20.3	18.8	19.1	19.3	19.6	20.1
	8H	18.9	19.2	19.4	19.7	20.2	18.7	19.0	19.2	19.5	20.1

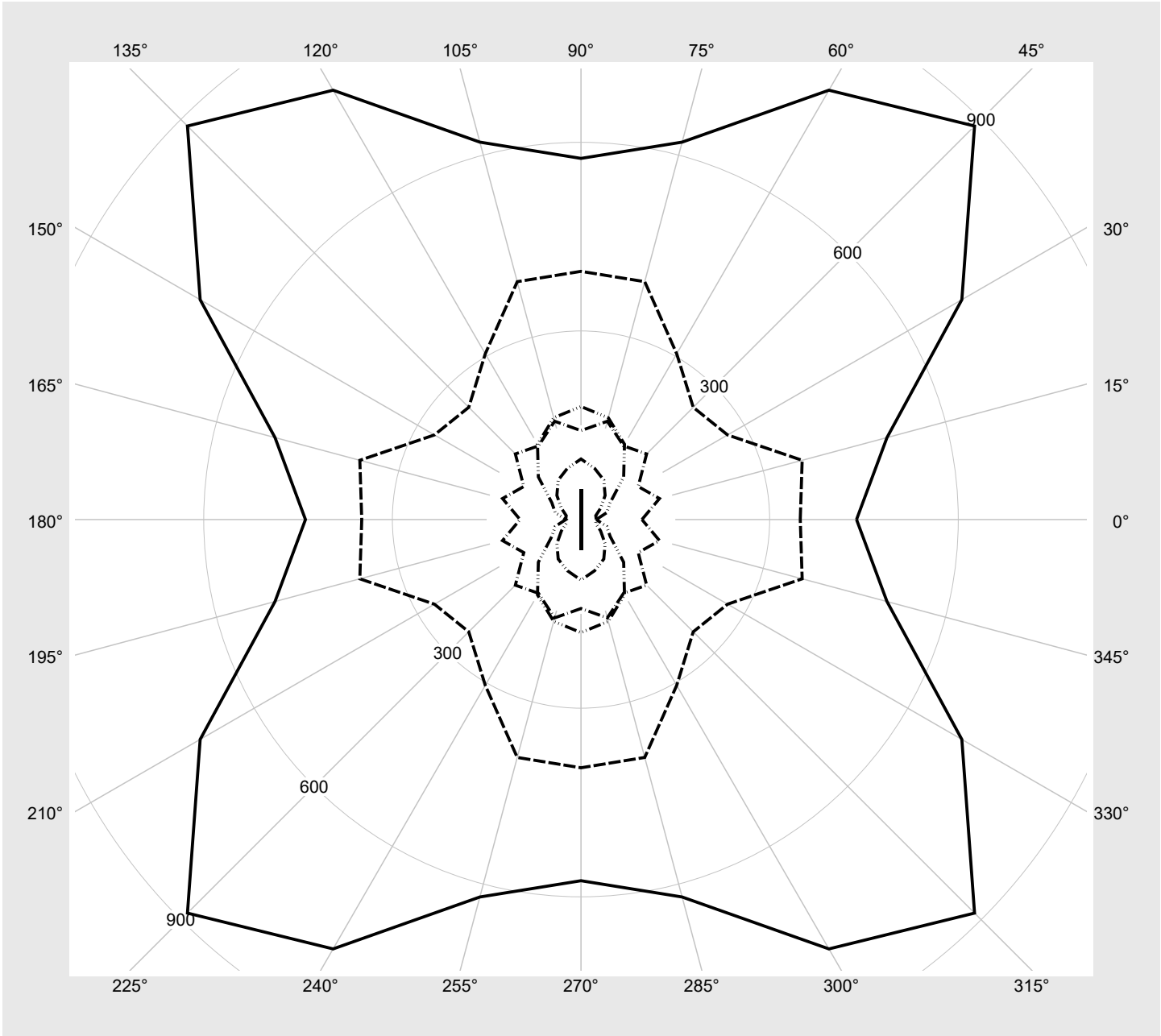
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1470
			B = 49

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°		22182.8	23058.1	23745.5	23926.1	23266.0	21939.3	20803.6	
50°		8180.2	8824.1	10100.5	10772.0	10291.6	9327.9	8728.9	
55°		2395.3	2836.8	3784.5	4792.6	4018.1	3104.1	2670.9	
60°		1073.7	1200.2	1609.3	2147.1	1731.9	1355.1	1226.5	
65°		438.2	503.8	699.4	885.1	788.5	621.5	574.4	
70°		348.7	364.2	269.2	252.5	304.4	391.7	394.8	
75°		96.9	129.2	105.1	147.6	135.4	161.9	141.5	
80°		24.3	24.3	36.0	54.2	72.5	84.1	96.3	
85°		24.2	42.4	53.5	95.9	138.4	167.6	179.8	

Photometric test report

Family Licross® 21 Silica	Order number: 51TS12DN4ZM00582XX EAN: 4058352960011	LP number 59266_172
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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: 51TS12DN4ZM00582XX EAN: 4058352960011	LP number 59266_172
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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	6340	39.0
95	240	252	6015	36.9
90	227	250	5711	35.0
85	213	248	5380	32.8
80	200	245	5068	30.9
75	187	243	4754	28.9
70	174	240	4439	27.0
65	161	237	4121	25.0
60	148	234	3802	23.1
55	135	231	3478	21.2
50	123	227	3178	19.4
45	110	223	2849	17.5
40	98	219	2544	15.7
35	85	214	2212	13.8
30	73	208	1904	12.0
25	61	202	1594	10.3
20	48	193	1255	8.5
15	36	182	940	6.7
10	24	168	624	5.0
5	12	142	307	3.2
2	5	110	121	2.2