

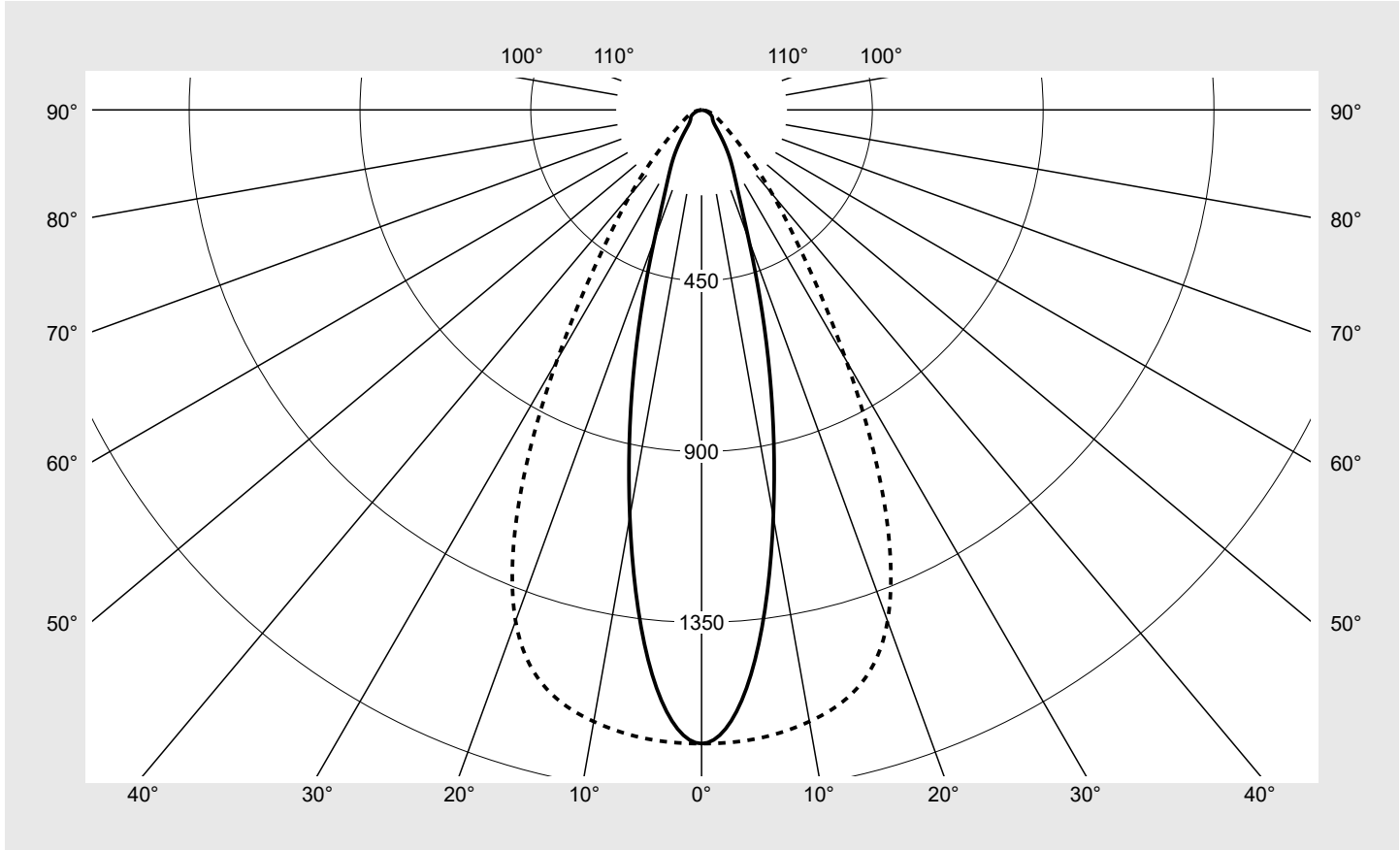


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1ECN4AXS EAN: 4058352891667	LP number 59263_123
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 10030 lm Power consumption = 54.7 W Luminous efficacy = 183.4 lm/W	serial documentation 17.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 1670 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=85 N2=95 N3=99 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 Recessed	Order number: 52TL1ECN4AXS EAN: 4058352891667	LP number 59263_123
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°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	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 Recessed	Order number: 52TL1ECN4AXS EAN: 4058352891667	LP number 59263_123
---------------------------------------	--	-------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	15.2	16.4	15.5	16.7	17.0	20.2	21.4	20.5	21.7	22.0
	3H	16.3	17.4	16.7	17.8	18.1	20.8	21.8	21.1	22.1	22.5
	4H	16.7	17.7	17.1	18.1	18.5	21.0	22.0	21.4	22.3	22.7
	6H	16.9	17.9	17.3	18.2	18.6	21.3	22.1	21.7	22.5	22.9
	8H	17.1	17.9	17.5	18.3	18.7	21.4	22.1	21.8	22.5	22.9
	12H	17.1	17.9	17.6	18.3	18.7	21.4	22.1	21.9	22.5	22.9
4H	2H	16.0	16.9	16.4	17.3	17.7	20.1	21.2	20.5	21.5	21.9
	3H	17.4	18.2	17.8	18.6	19.0	20.9	21.7	21.3	22.1	22.5
	4H	17.9	18.7	18.4	19.1	19.5	21.2	22.0	21.7	22.4	22.8
	6H	18.2	18.9	18.7	19.3	19.8	21.5	22.2	22.0	22.6	23.1
	8H	18.3	18.9	18.8	19.4	19.8	21.7	22.2	22.2	22.7	23.1
	12H	18.4	18.9	18.9	19.4	19.9	21.7	22.2	22.2	22.7	23.2
8H	4H	18.4	18.9	18.9	19.4	19.9	21.3	21.9	21.8	22.4	22.8
	6H	18.9	19.3	19.4	19.8	20.3	21.7	22.2	22.2	22.7	23.2
	8H	19.0	19.4	19.5	19.9	20.4	21.9	22.3	22.4	22.8	23.3
	12H	19.1	19.5	19.6	20.0	20.5	22.0	22.3	22.5	22.8	23.4
12H	4H	18.4	18.9	18.9	19.4	19.9	21.3	21.8	21.8	22.3	22.8
	6H	18.9	19.3	19.5	19.8	20.3	21.7	22.1	22.2	22.6	23.2
	8H	19.1	19.5	19.7	20.0	20.5	21.9	22.3	22.4	22.8	23.3

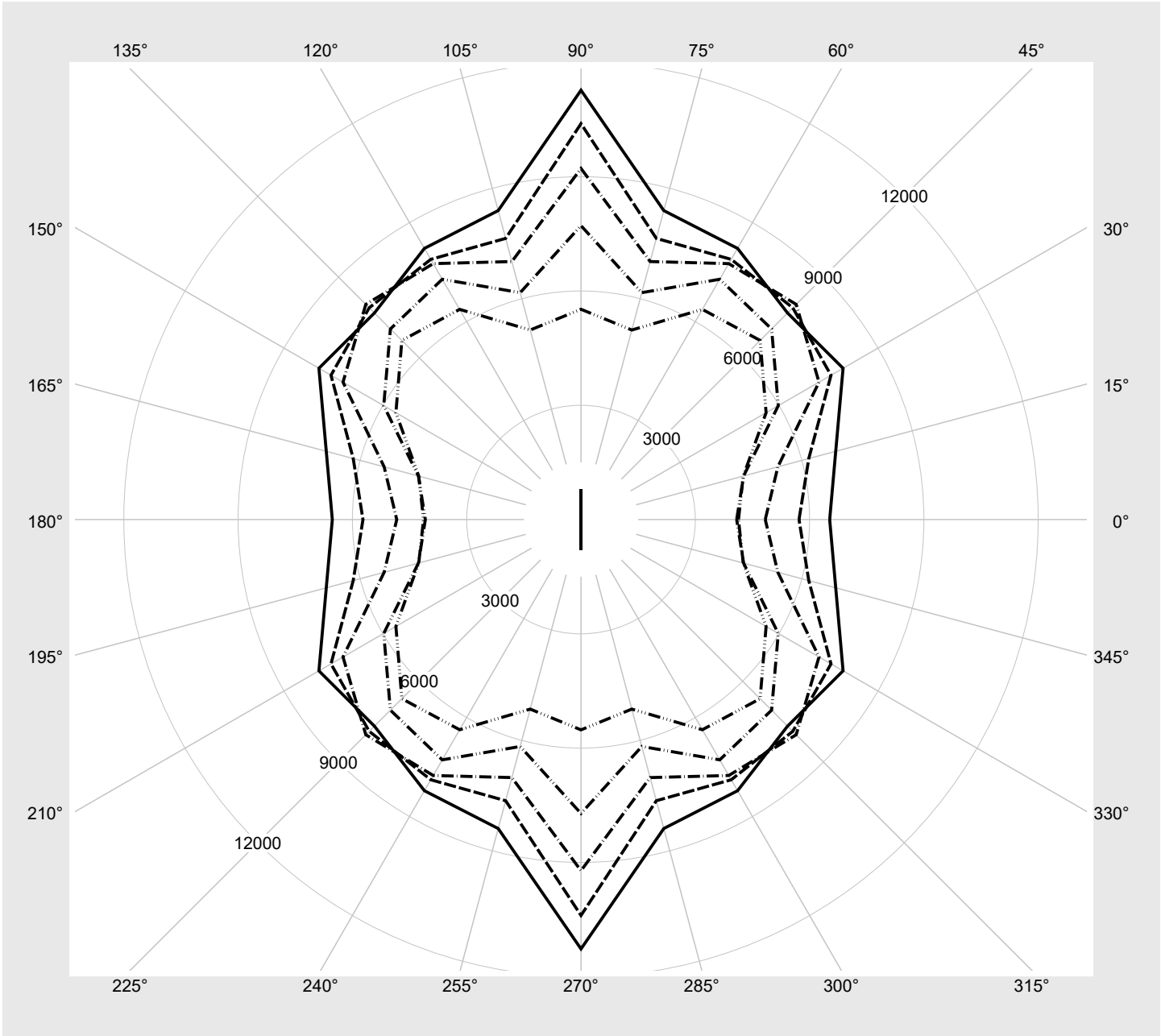
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

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°		7090.5	7479.5	9481.2	14066.8	16228.1	23706.2	28848.5	
50°		6768.7	6991.3	7675.9	10946.9	12251.9	16021.8	19574.1	
55°		6946.9	7031.1	7380.6	8738.4	10153.8	11984.7	14817.3	
60°		6953.2	7181.7	7566.3	7891.9	8898.6	9679.8	12333.9	
65°		6527.4	6921.9	7942.9	7667.9	8219.3	8396.3	11270.2	
70°		5722.6	6189.8	7577.2	7861.3	7886.3	7640.5	10391.4	
75°		4836.1	5349.2	7213.4	7988.0	7757.3	7011.6	9215.6	
80°		4085.7	4418.3	5979.2	7075.3	7283.1	6166.4	7714.7	
85°		4133.7	4408.8	5609.9	6649.6	6370.5	5150.9	5519.9	

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1ECN4AXS EAN: 4058352891667	LP number 59263_123
---------------------------------------	--	--------------------------------------

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



Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1ECN4AXS EAN: 4058352891667	LP number 59263_123
---------------------------------------	--	-------------------------------

Multilumen Table	environmental temperature: 25°C	siteco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	10030	54.7	65.9	60.3
2	A	C	F	9526	51.8	62.4	57.1
3	A	D	E	9001	48.7	58.6	53.6
4	A	D	F	8476	45.8	54.7	50.2
5	B	C	E	8024	43.3	51.8	47.6
6	B	C	F	7488	40.4	48.3	44.3
7	B	D	E	7037	37.9	45.0	41.4
8	B	D	F	6501	35.0	41.6	38.3