

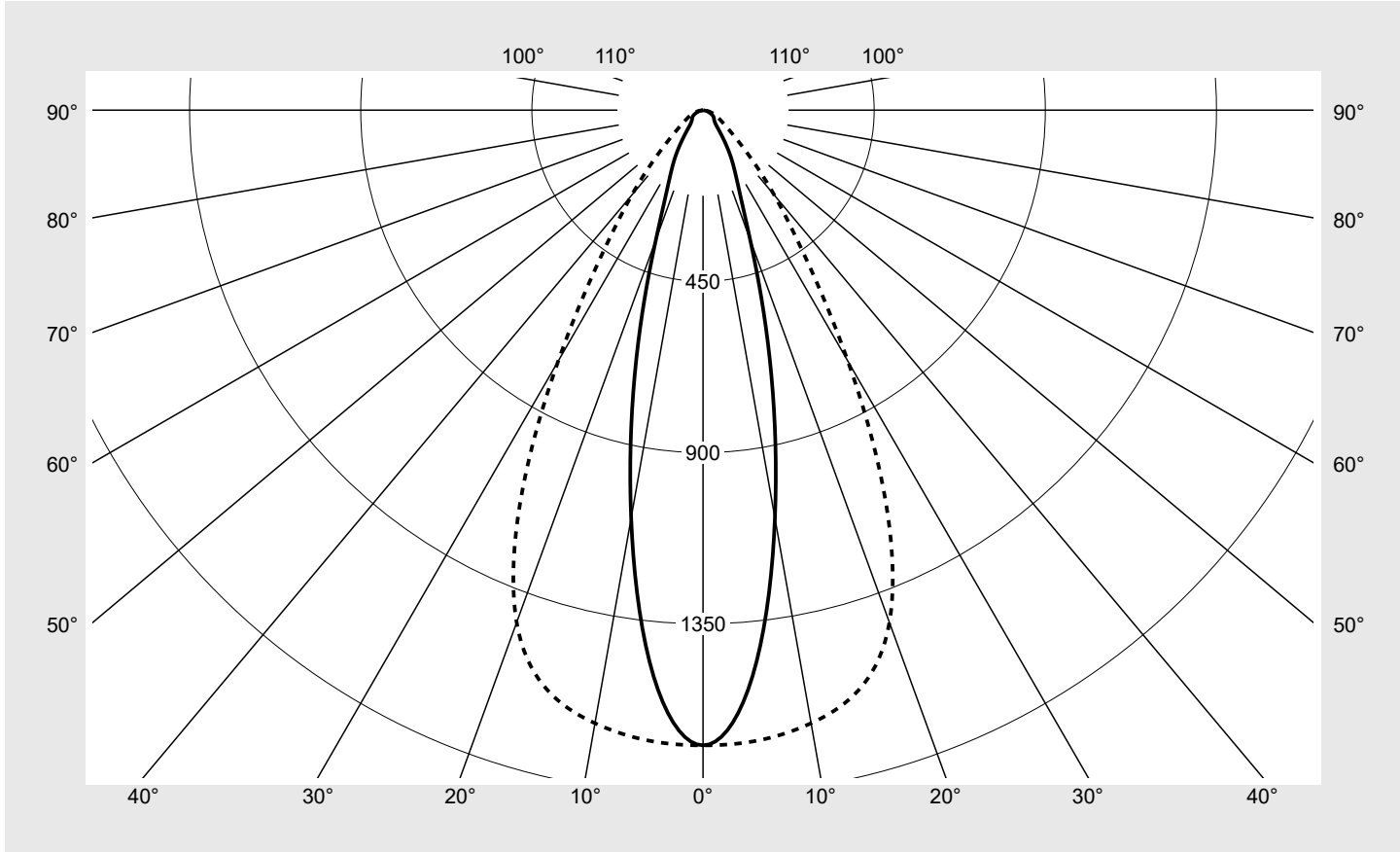


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1ECN48XG EAN: 4058352891643	LP number 59263_121
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 8020 lm Power consumption = 44.4 W Luminous efficacy = 180.6 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: 52TL1ECN48XG EAN: 4058352891643	LP number 59263_121
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: 52TL1ECN48XG EAN: 4058352891643	LP number 59263_121
---------------------------------------	--	-------------------------------

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	14.4	15.6	14.7	15.9	16.2	19.4	20.6	19.7	20.9	21.3
	3H	15.6	16.6	15.9	17.0	17.3	20.0	21.0	20.4	21.4	21.7
	4H	15.9	17.0	16.3	17.3	17.7	20.2	21.2	20.6	21.6	21.9
	6H	16.1	17.1	16.5	17.5	17.9	20.5	21.3	20.9	21.7	22.1
	8H	16.3	17.1	16.8	17.5	17.9	20.6	21.4	21.0	21.7	22.1
	12H	16.4	17.1	16.8	17.5	18.0	20.6	21.3	21.1	21.7	22.1
4H	2H	15.2	16.2	15.6	16.5	16.9	19.4	20.4	19.8	20.8	21.1
	3H	16.6	17.5	17.1	17.8	18.3	20.1	20.9	20.5	21.3	21.7
	4H	17.1	17.9	17.6	18.3	18.7	20.5	21.2	20.9	21.6	22.1
	6H	17.4	18.1	17.9	18.5	19.0	20.8	21.4	21.2	21.8	22.3
	8H	17.5	18.1	18.0	18.6	19.1	20.9	21.4	21.4	21.9	22.4
	12H	17.6	18.1	18.1	18.6	19.1	21.0	21.4	21.4	21.9	22.4
8H	4H	17.6	18.2	18.1	18.6	19.1	20.6	21.1	21.0	21.6	22.1
	6H	18.1	18.5	18.6	19.0	19.5	21.0	21.4	21.5	21.9	22.4
	8H	18.2	18.6	18.7	19.1	19.6	21.1	21.5	21.6	22.0	22.5
	12H	18.3	18.7	18.9	19.2	19.7	21.2	21.5	21.7	22.0	22.6
12H	4H	17.7	18.1	18.2	18.6	19.1	20.5	21.1	21.0	21.5	22.0
	6H	18.2	18.5	18.7	19.0	19.6	21.0	21.4	21.5	21.9	22.4
	8H	18.4	18.7	18.9	19.2	19.8	21.1	21.5	21.6	22.0	22.5

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

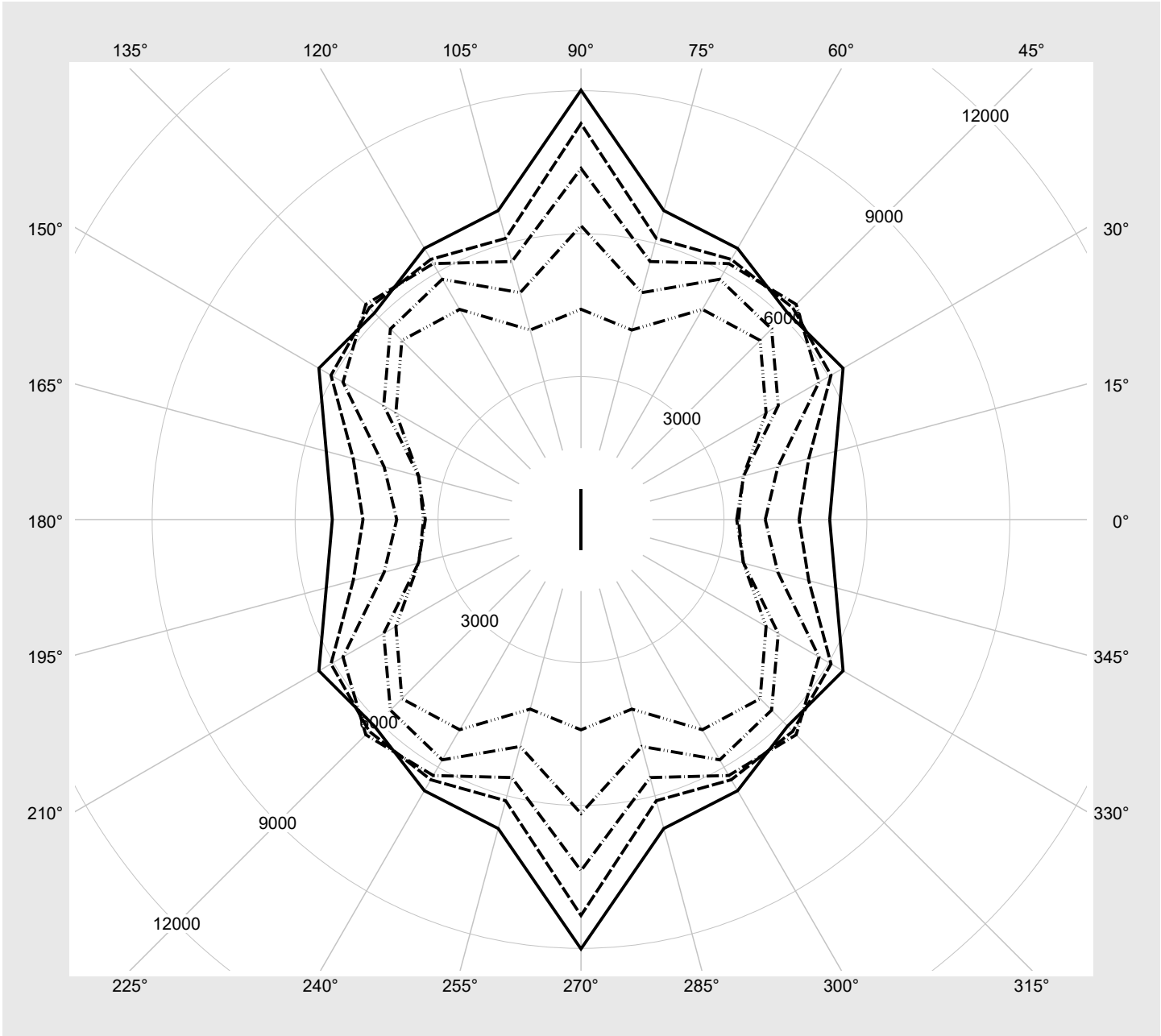
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		5669.6	5980.6	7581.1	11247.9	12976.0	18955.5	23067.3	
50°		5412.3	5590.2	6137.6	8753.2	9796.7	12811.1	15651.5	
55°		5554.7	5622.1	5901.6	6987.2	8119.0	9583.0	11848.0	
60°		5559.8	5742.5	6050.0	6310.4	7115.3	7739.9	9862.2	
65°		5219.3	5534.7	6351.2	6131.3	6572.1	6713.7	9011.6	
70°		4575.8	4949.3	6058.7	6285.9	6305.9	6109.4	8309.0	
75°		3867.0	4277.3	5767.8	6387.2	6202.7	5606.5	7368.8	
80°		3266.9	3532.9	4781.0	5657.4	5823.6	4930.7	6168.7	
85°		3305.3	3525.3	4485.7	5317.0	5093.8	4118.7	4413.7	

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1ECN48XG EAN: 4058352891643	LP number 59263_121
--	--	--------------------------------------

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1ECN48XG EAN: 4058352891643	LP number 59263_121
---------------------------------------	--	--------------------------------------

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

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	8020	44.4	53.0	48.7
2	A	C	F	7516	41.4	49.5	45.4
3	A	D	E	6991	38.4	45.6	42.0
4	A	D	F	6466	35.3	42.2	38.8
5	B	C	E	6025	32.8	39.2	36.0
6	B	C	F	5490	29.9	35.3	32.6
7	B	D	E	5028	27.4	32.4	29.9
8	B	D	F	4493	24.5	28.7	26.6