

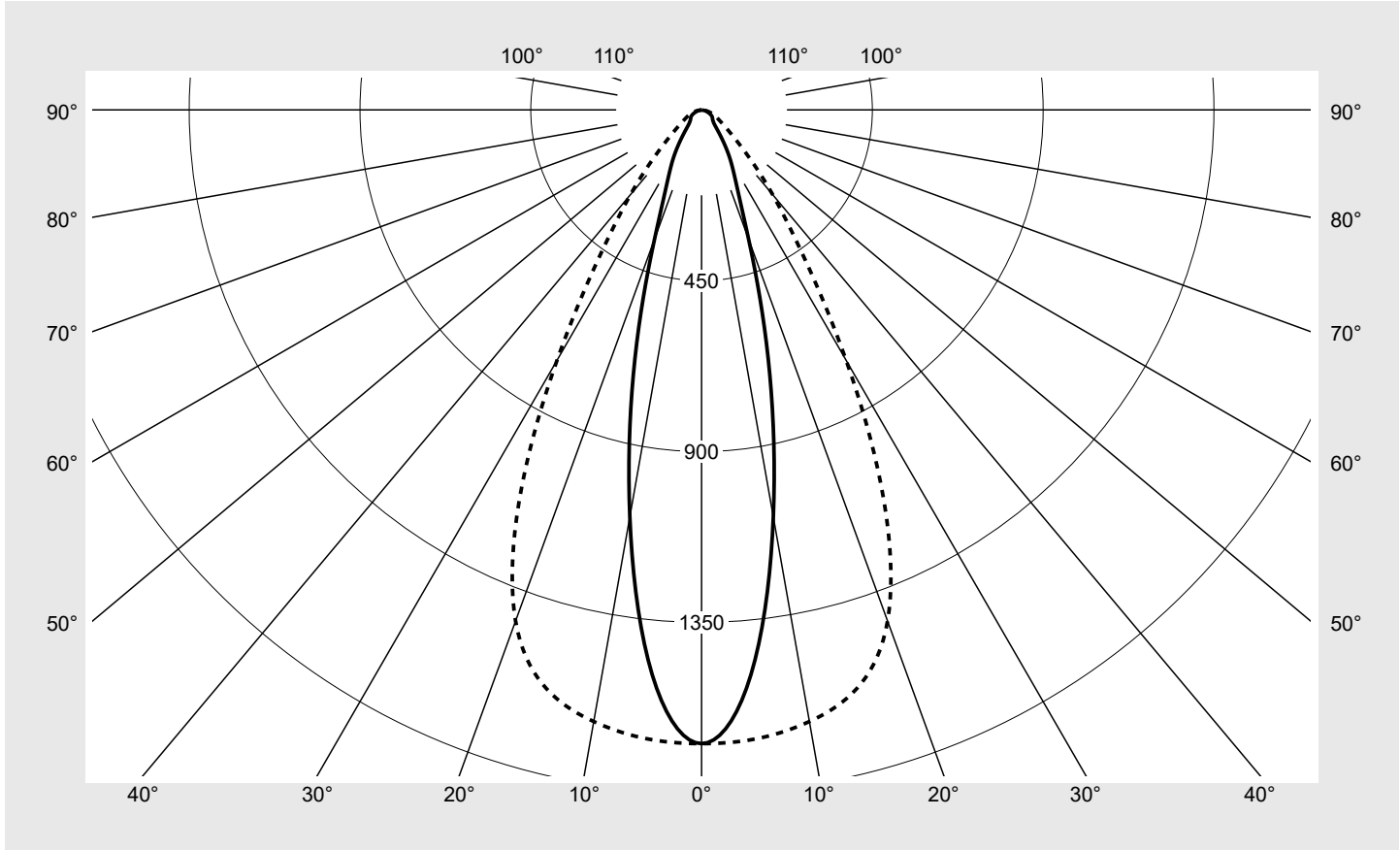


Photometric test report

Family Licross® 21 Recessed	Order number: 52TE1ECN485G EAN: 4058352890080	LP number 59263_125
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 8960 lm Power consumption = 49.9 W Luminous efficacy = 179.6 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

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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

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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	14.8	16.0	15.1	16.3	16.6	19.8	21.0	20.1	21.3	21.6
	3H	15.9	17.0	16.3	17.4	17.7	20.4	21.4	20.7	21.7	22.1
	4H	16.3	17.3	16.7	17.7	18.1	20.6	21.6	21.0	22.0	22.3
	6H	16.5	17.5	16.9	17.9	18.2	20.9	21.7	21.3	22.1	22.5
	8H	16.7	17.5	17.1	17.9	18.3	21.0	21.7	21.4	22.1	22.5
	12H	16.7	17.5	17.2	17.9	18.3	21.0	21.7	21.5	22.1	22.5
4H	2H	15.6	16.6	16.0	16.9	17.3	19.8	20.8	20.2	21.1	21.5
	3H	17.0	17.8	17.4	18.2	18.6	20.5	21.3	20.9	21.7	22.1
	4H	17.5	18.3	18.0	18.7	19.1	20.9	21.6	21.3	22.0	22.4
	6H	17.8	18.5	18.3	18.9	19.4	21.1	21.8	21.6	22.2	22.7
	8H	17.9	18.5	18.4	19.0	19.4	21.3	21.8	21.8	22.3	22.7
	12H	18.0	18.5	18.5	19.0	19.5	21.3	21.8	21.8	22.3	22.8
8H	4H	18.0	18.5	18.5	19.0	19.5	20.9	21.5	21.4	22.0	22.5
	6H	18.5	18.9	19.0	19.4	19.9	21.4	21.8	21.9	22.3	22.8
	8H	18.6	19.0	19.1	19.5	20.0	21.5	21.9	22.0	22.4	22.9
	12H	18.7	19.1	19.2	19.6	20.1	21.6	21.9	22.1	22.4	23.0
12H	4H	18.1	18.5	18.5	19.0	19.5	20.9	21.4	21.4	21.9	22.4
	6H	18.6	18.9	19.1	19.4	20.0	21.3	21.7	21.9	22.2	22.8
	8H	18.8	19.1	19.3	19.6	20.1	21.5	21.9	22.0	22.4	22.9

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

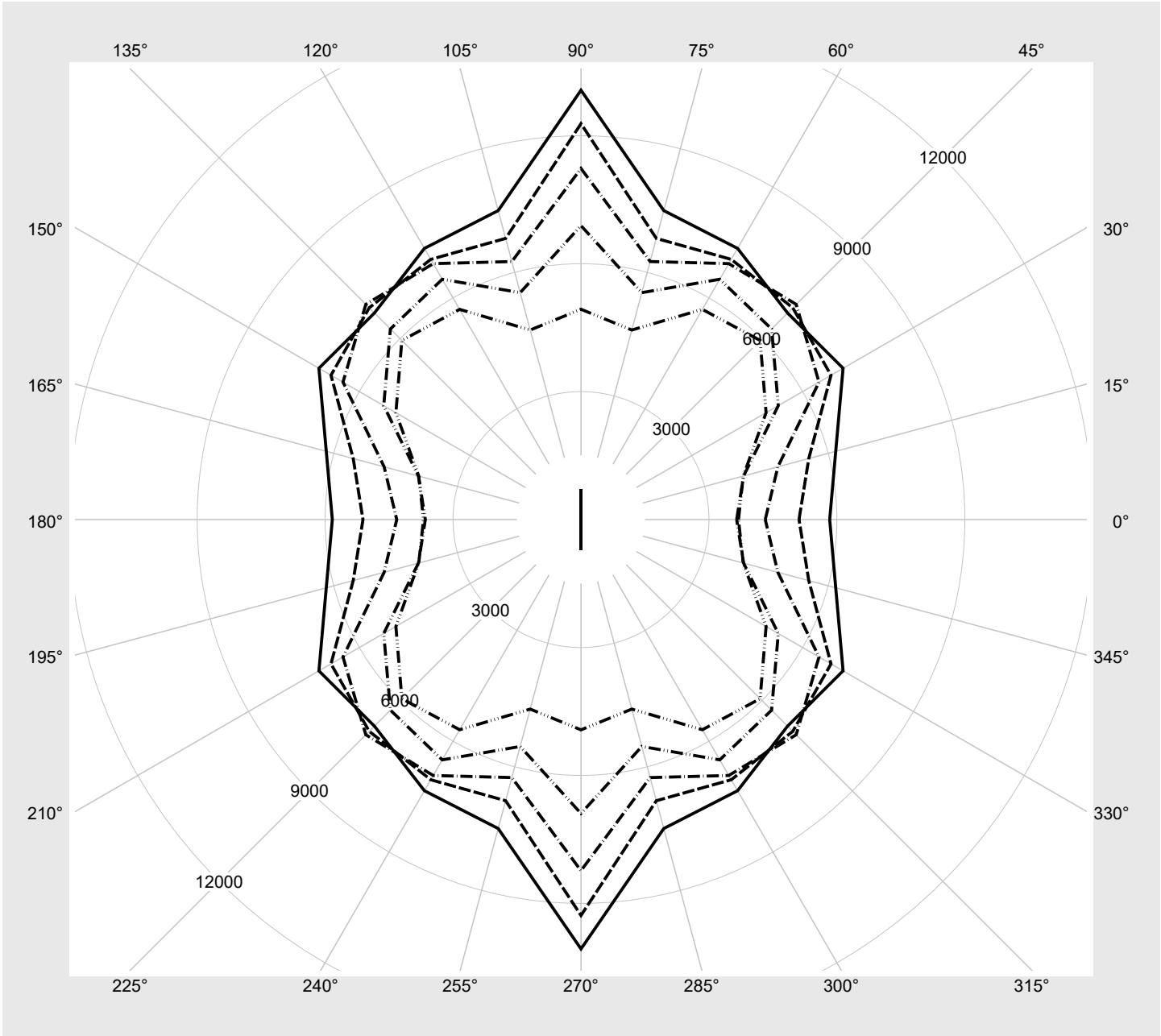
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		6334.1	6681.6	8469.7	12566.2	14496.9	21177.2	25770.9	
50°		6046.6	6245.4	6857.0	9779.1	10944.9	14312.6	17486.0	
55°		6205.8	6281.0	6593.3	7806.2	9070.6	10706.1	13236.6	
60°		6211.4	6415.6	6759.1	7050.0	7949.3	8647.1	11018.1	
65°		5831.1	6183.4	7095.6	6849.9	7342.4	7500.6	10067.9	
70°		5112.1	5529.4	6768.8	7022.7	7045.0	6825.4	9282.9	
75°		4320.2	4778.6	6443.9	7135.8	6929.7	6263.6	8232.5	
80°		3649.9	3947.0	5341.3	6320.5	6506.2	5508.6	6891.7	
85°		3692.7	3938.5	5011.4	5940.2	5690.9	4601.4	4931.1	

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Luminance values in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



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Multilumen Table	environmental temperature: 25°C	sITeco
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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	8960	49.9	60.5	55.2
2	A	C	F	8529	47.3	56.9	52.1
3	A	D	E	8025	44.4	53.4	48.9
4	A	D	F	7521	41.4	49.5	45.4
5	B	C	E	6996	38.4	45.6	42.0
6	B	C	F	6471	35.3	42.2	38.8
7	B	D	E	6029	32.8	39.2	36.0
8	B	D	F	5494	29.9	35.3	32.6