

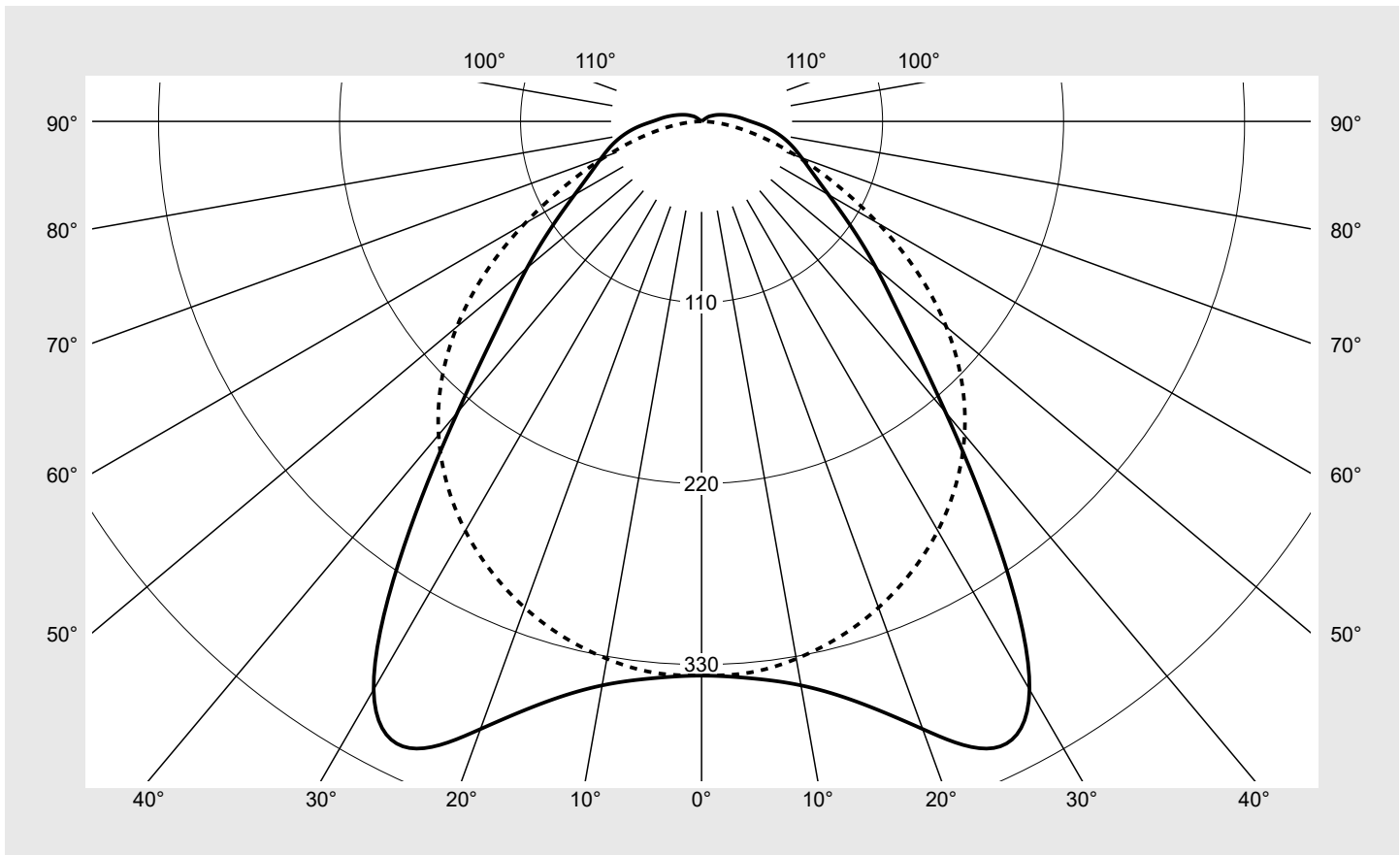


Photometric test report

Family Licross® 21 Protected	Order number: 52TS12CN67XF EAN: 4058352506974	LP number 58522_213
	Version prismatic cover, frosted, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 7470 lm Power consumption = 48.5 W Luminous efficacy = 154 lm/W	serial documentation 25.11.2021
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 420 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=54 N2=82 N3=95 N4=97 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	96.8%
ϕ_o	3.2%

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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	0.8	0.8	0.9	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	20.2	21.8	20.5	22.1	22.4	22.0	23.7	22.4	24.0	24.3
	3H	21.3	22.8	21.7	23.1	23.5	23.0	24.5	23.4	24.9	25.2
	4H	22.0	23.4	22.4	23.8	24.1	23.4	24.8	23.8	25.1	25.5
	6H	22.8	24.1	23.2	24.4	24.8	23.7	24.9	24.1	25.3	25.7
	8H	23.2	24.4	23.6	24.8	25.2	23.8	25.0	24.2	25.3	25.7
	12H	23.6	24.7	24.0	25.1	25.5	23.8	24.9	24.2	25.3	25.7
4H	2H	21.0	22.4	21.4	22.7	23.1	22.5	23.9	22.9	24.2	24.6
	3H	22.4	23.5	22.8	23.9	24.3	23.8	24.9	24.2	25.3	25.7
	4H	23.2	24.2	23.6	24.6	25.1	24.3	25.3	24.7	25.7	26.2
	6H	24.1	25.0	24.5	25.4	25.9	24.6	25.5	25.1	26.0	26.4
	8H	24.5	25.4	25.0	25.8	26.3	24.7	25.6	25.2	26.0	26.5
	12H	25.0	25.8	25.5	26.2	26.7	24.8	25.6	25.3	26.0	26.5
8H	4H	23.6	24.4	24.0	24.9	25.3	24.5	25.4	25.0	25.8	26.3
	6H	24.7	25.4	25.1	25.8	26.3	25.1	25.8	25.5	26.2	26.7
	8H	25.2	25.9	25.7	26.4	26.9	25.3	25.9	25.8	26.4	26.9
	12H	25.9	26.4	26.4	26.9	27.5	25.4	26.0	25.9	26.5	27.0
12H	4H	23.7	24.4	24.1	24.9	25.4	24.6	25.4	25.1	25.8	26.3
	6H	24.8	25.4	25.3	25.9	26.4	25.2	25.8	25.7	26.3	26.8
	8H	25.4	26.0	26.0	26.5	27.0	25.4	26.0	25.9	26.5	27.0

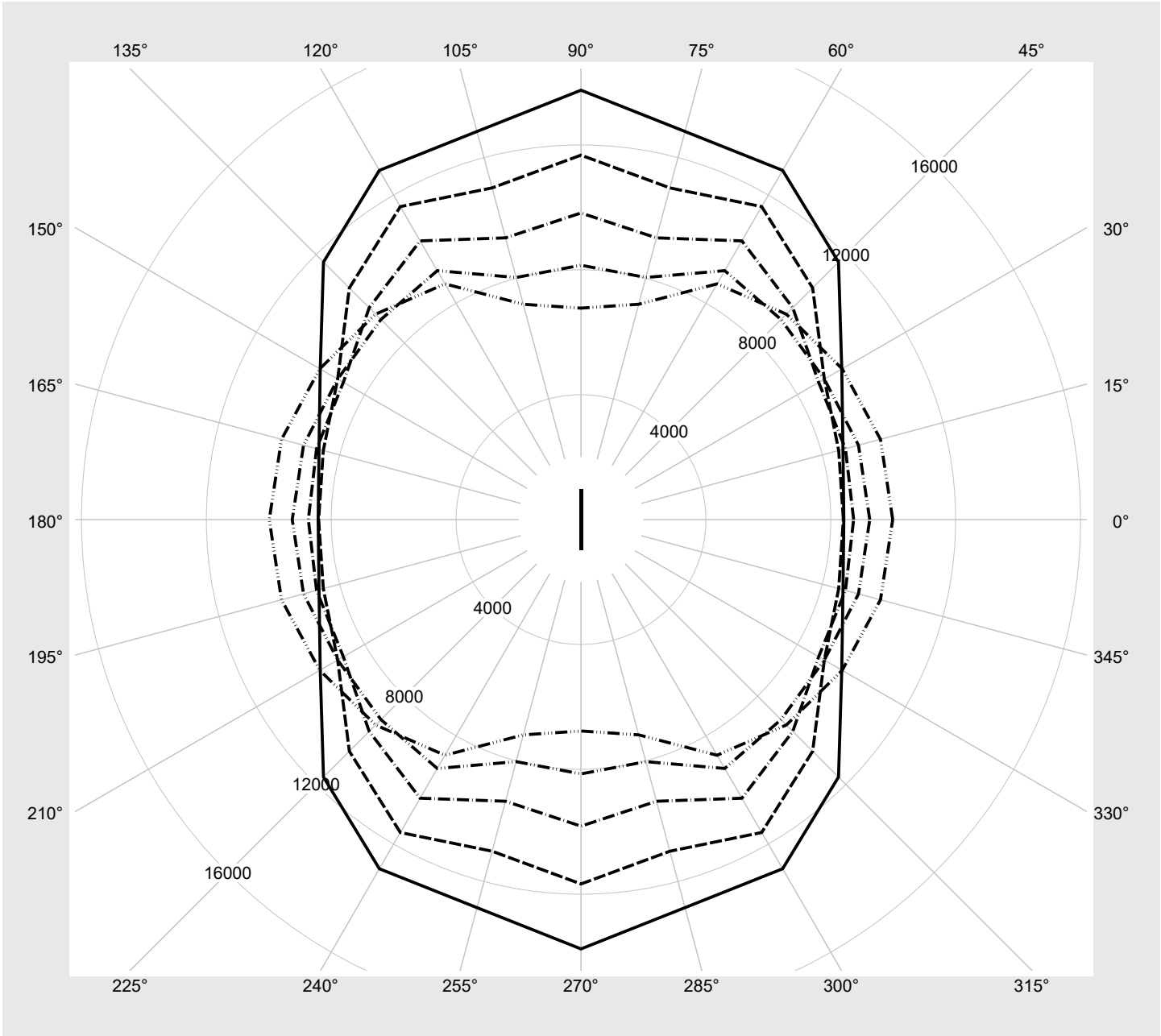
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°		13638.3	14354.6	16440.6	19630.7	21815.4	21052.8	20463.8	
50°		11630.3	12202.3	13882.0	16622.9	19110.5	19594.1	19542.2	
55°		10075.1	10593.4	12181.7	14514.1	16597.4	17417.4	18092.4	
60°		8951.2	9351.7	10726.1	12991.1	14532.9	15038.6	16040.3	
65°		8418.5	8687.7	9644.6	11664.8	12916.4	12870.1	13753.3	
70°		8403.5	8545.5	9000.1	10493.5	11575.3	10998.8	11672.8	
75°		8732.9	8769.2	8790.3	9594.5	10307.1	9341.8	9820.9	
80°		9249.2	9201.1	8999.8	9062.3	9206.7	8028.1	8147.1	
85°		9984.9	9930.7	9659.9	9304.4	8718.1	7140.3	6772.6	

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



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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 [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	7470	48.5	55.0	51.8
2	A	C	F	6720	42.7	48.5	45.6
3	A	D	E	6240	39.5	44.4	42.0
4	A	D	F	5820	36.5	41.2	38.8
5	B	C	E	5390	33.6	37.7	35.7
6	B	C	F	4950	30.7	34.5	32.6
7	B	D	E	4510	27.8	31.2	29.5
8	B	D	F	4070	25.1	27.8	26.4