

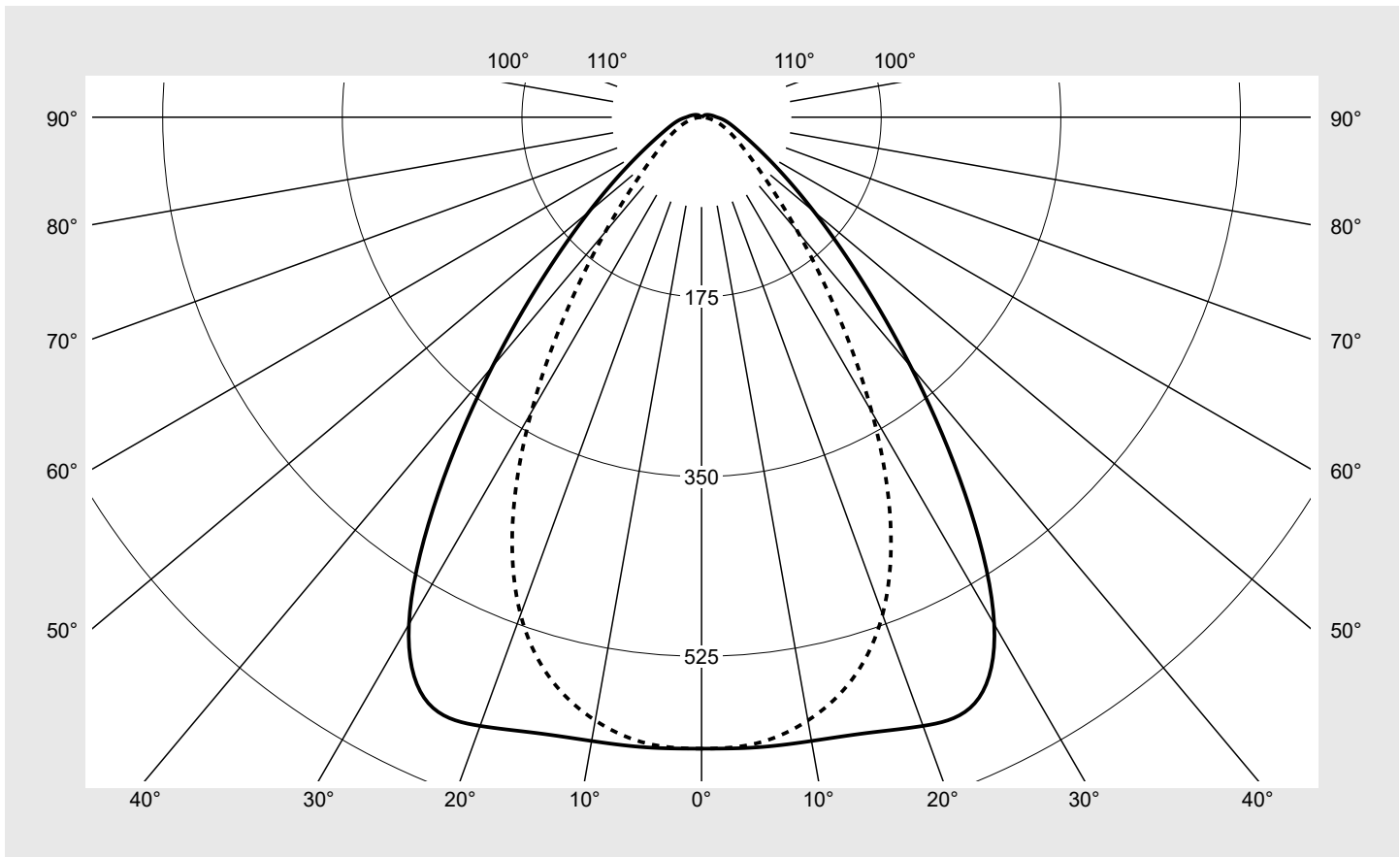


Photometric test report

Family Licross® Protected	Order number: 51TP12CN58XF EAN: 4058352241455	LP number 58524_28
	Version prismatic cover, frosted, wide distribution Lamps LED 5000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 8190 lm Power consumption = 49.0 W Luminous efficacy = 167.1 lm/W	serial documentation 13.03.2020
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 631 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=73 N2=92 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.6%
ϕ_o	1.4%

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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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	20.6	22.0	20.9	22.3	22.6	17.3	18.7	17.7	19.1	19.4
	3H	21.0	22.3	21.4	22.6	22.9	17.7	18.9	18.0	19.3	19.6
	4H	21.2	22.4	21.6	22.7	23.1	17.8	19.0	18.2	19.4	19.7
	6H	21.5	22.6	21.9	22.9	23.3	17.9	19.1	18.4	19.4	19.8
	8H	21.8	22.7	22.2	23.1	23.5	18.0	19.0	18.5	19.4	19.8
	12H	21.9	22.8	22.4	23.2	23.6	18.1	19.0	18.5	19.4	19.8
4H	2H	20.6	21.8	21.0	22.2	22.6	17.9	19.0	18.2	19.4	19.7
	3H	21.2	22.2	21.6	22.6	23.0	18.3	19.3	18.8	19.7	20.1
	4H	21.5	22.4	22.0	22.8	23.2	18.5	19.4	19.0	19.8	20.3
	6H	21.9	22.7	22.4	23.1	23.6	18.7	19.5	19.2	19.9	20.4
	8H	22.2	22.8	22.6	23.3	23.8	18.8	19.5	19.3	20.0	20.4
	12H	22.5	23.0	22.9	23.5	24.0	18.9	19.5	19.4	19.9	20.4
8H	4H	21.5	22.2	22.0	22.7	23.2	18.8	19.4	19.2	19.9	20.4
	6H	22.0	22.6	22.5	23.1	23.6	19.1	19.6	19.5	20.1	20.6
	8H	22.3	22.8	22.8	23.3	23.9	19.2	19.7	19.7	20.2	20.7
	12H	22.7	23.1	23.3	23.6	24.2	19.3	19.7	19.8	20.2	20.7
12H	4H	21.5	22.1	22.0	22.6	23.1	18.8	19.4	19.3	19.9	20.4
	6H	22.0	22.5	22.5	23.0	23.5	19.2	19.6	19.7	20.1	20.6
	8H	22.4	22.8	22.9	23.3	23.8	19.3	19.7	19.8	20.2	20.8

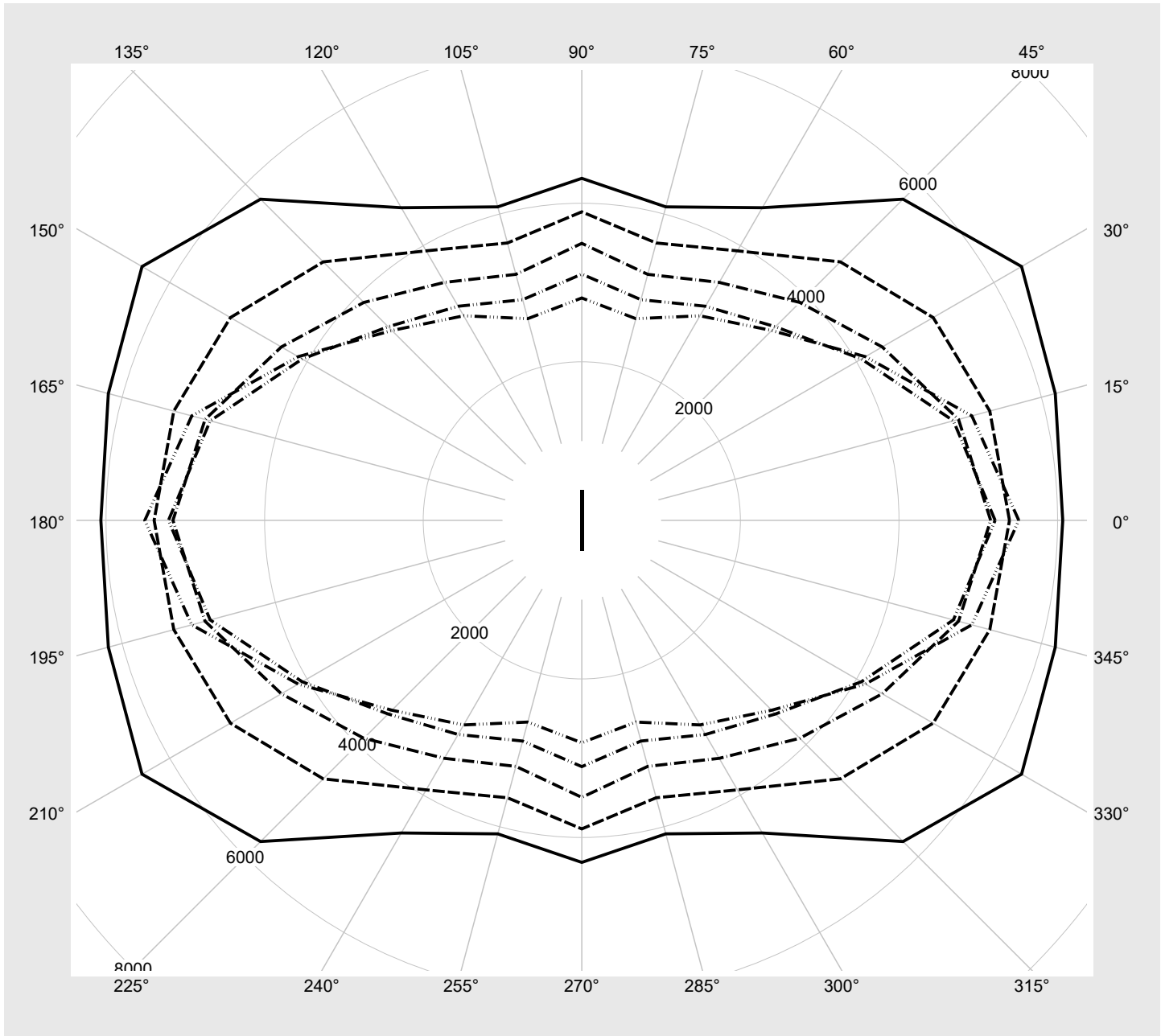
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°		18398.1	19553.5	21401.6	19268.4	13677.1	10158.8	9434.9	
50°		13173.5	14076.6	15721.5	14017.5	9809.8	7429.6	7070.3	
55°		9647.2	10264.4	11472.3	10068.1	7163.2	5786.5	5727.7	
60°		7381.7	7721.6	8425.3	7468.6	5549.1	4758.0	4889.7	
65°		6065.0	6181.5	6403.7	5729.4	4553.5	4093.9	4314.2	
70°		5393.4	5326.8	5116.4	4611.1	3925.5	3622.5	3891.6	
75°		5156.1	4918.5	4375.0	3887.4	3466.0	3212.7	3494.1	
80°		5212.4	4851.9	4071.3	3454.1	3118.7	2881.8	3106.3	
85°		5510.9	5092.3	4129.7	3386.7	2979.6	2633.9	2805.1	

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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	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	8190	49.0	54.4	51.7
2	A	C	F	7560	44.8	49.8	47.3
3	A	D	E	7070	41.7	46.2	44.0
4	A	D	F	6510	38.1	42.1	40.1
5	B	C	E	6060	35.5	39.0	37.2
6	B	C	F	5550	32.5	35.5	34.0
7	B	D	E	5050	29.4	32.0	30.7
8	B	D	F	4540	26.4	29.0	27.7