
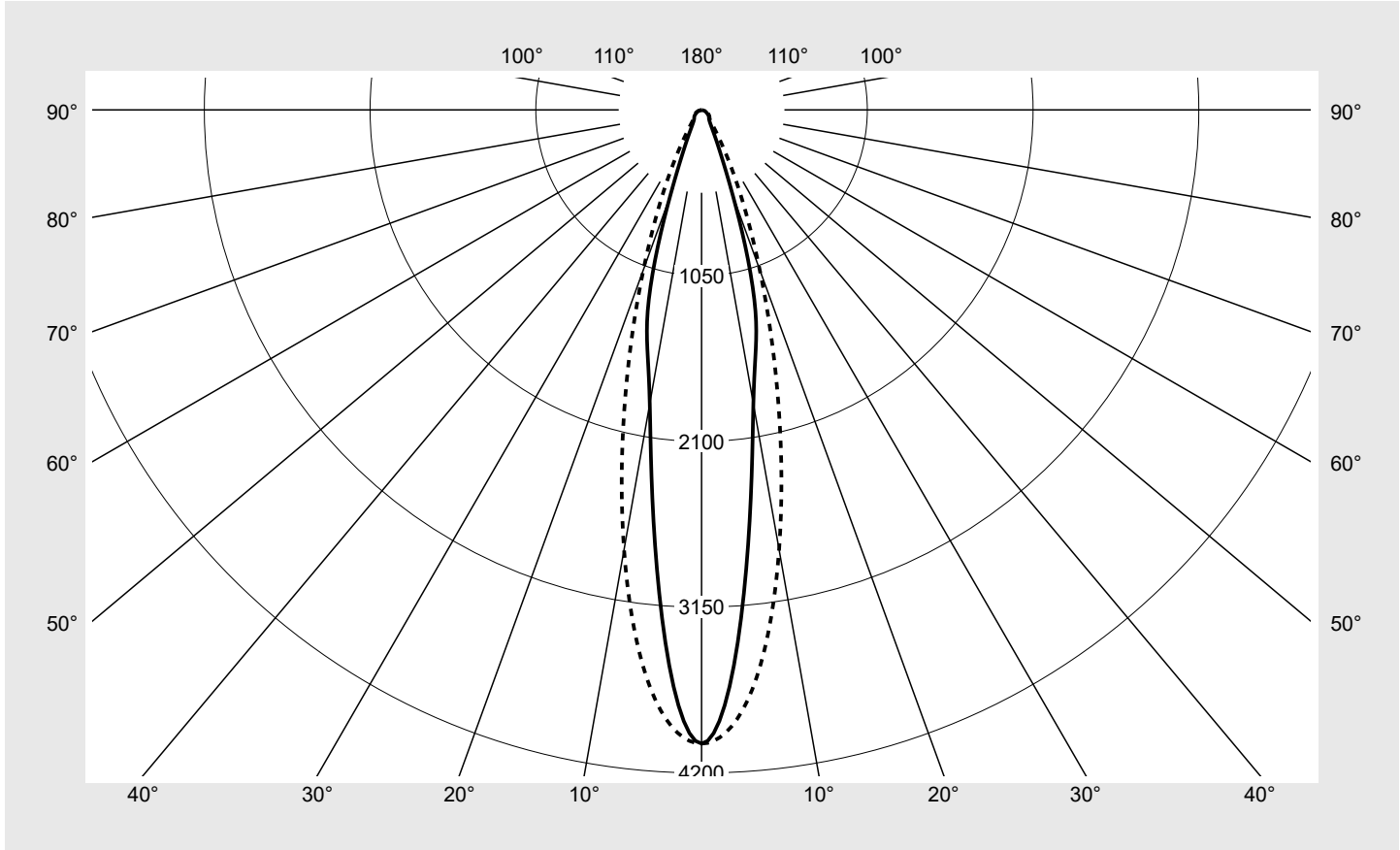


Photometric test report

Family Licross® 11 Protected	Order number: 51TD13CN4E5S EAN: 4058352928769	LP number 58527_97
	Version prismatic cover, frosted, extremely narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Rated values Net luminous flux = 14500 lm Power consumption = 77.6 W Luminous efficacy = 186.9 lm/W	serial documentation 14.11.2025



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 4014 cd/klm**



Classifications	
DIN 5040	A 8 1
CIE	N1=89 N2=96 N3=99 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.7%
ϕ_o	0.3%

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°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	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	15.9	15.1	16.2	16.5	15.3	16.4	15.7	16.7	17.0
	3H	16.4	17.1	16.8	17.5	17.8	16.8	17.6	17.2	17.9	18.3
	4H	16.8	17.7	17.2	18.0	18.4	17.0	17.9	17.4	18.3	18.6
	6H	17.2	18.2	17.6	18.6	19.0	17.0	18.0	17.5	18.4	18.8
	8H	17.9	18.5	18.3	18.9	19.3	17.2	18.1	17.6	18.4	18.9
	12H	17.9	18.7	18.3	19.1	19.5	17.2	18.0	17.6	18.4	18.8
4H	2H	15.0	15.9	15.4	16.3	16.6	15.5	16.4	15.9	16.7	17.1
	3H	16.5	17.3	16.9	17.7	18.1	16.8	17.5	17.2	17.9	18.4
	4H	17.3	18.0	17.7	18.4	18.8	17.3	18.0	17.8	18.4	18.8
	6H	17.8	18.6	18.3	19.1	19.5	17.4	18.2	17.9	18.6	19.1
	8H	18.5	19.0	19.0	19.4	19.9	17.8	18.3	18.3	18.7	19.2
	12H	18.6	19.3	19.1	19.7	20.2	17.6	18.2	18.1	18.7	19.2
8H	4H	17.5	18.0	18.0	18.4	18.9	17.5	18.0	18.0	18.4	18.9
	6H	18.7	18.8	19.2	19.3	19.8	18.0	18.3	18.5	18.8	19.3
	8H	18.8	19.2	19.3	19.7	20.2	18.1	18.5	18.6	18.9	19.5
	12H	19.0	19.6	19.5	20.1	20.6	17.9	18.5	18.4	18.9	19.5
12H	4H	17.2	17.9	17.7	18.3	18.8	17.2	17.9	17.7	18.3	18.8
	6H	18.1	18.7	18.6	19.2	19.7	17.7	18.3	18.2	18.8	19.3
	8H	18.6	19.2	19.1	19.7	20.2	17.9	18.5	18.4	19.0	19.5

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°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	9995.6	8899.2	6973.3	6276.5	7008.9	9390.9	12721.6		
50°	9463.7	8290.1	6399.6	5550.2	5824.9	8254.7	12700.8		
55°	8339.8	7419.8	6010.6	5092.9	5144.1	7238.2	12519.3		
60°	7370.8	6474.8	5591.0	4776.9	4681.2	6327.8	11921.8		
65°	6573.0	5626.5	5128.1	4601.7	4373.5	5527.7	10590.2		
70°	6019.9	5050.0	4539.6	4475.6	4151.0	4819.6	8586.3		
75°	5733.6	4747.2	4059.3	4344.0	3980.2	4181.8	6511.3		
80°	5412.4	4587.3	3863.7	4149.2	3887.8	3594.5	4739.3		
85°	5224.4	4551.7	3984.5	4138.0	4098.0	3094.6	3313.3		

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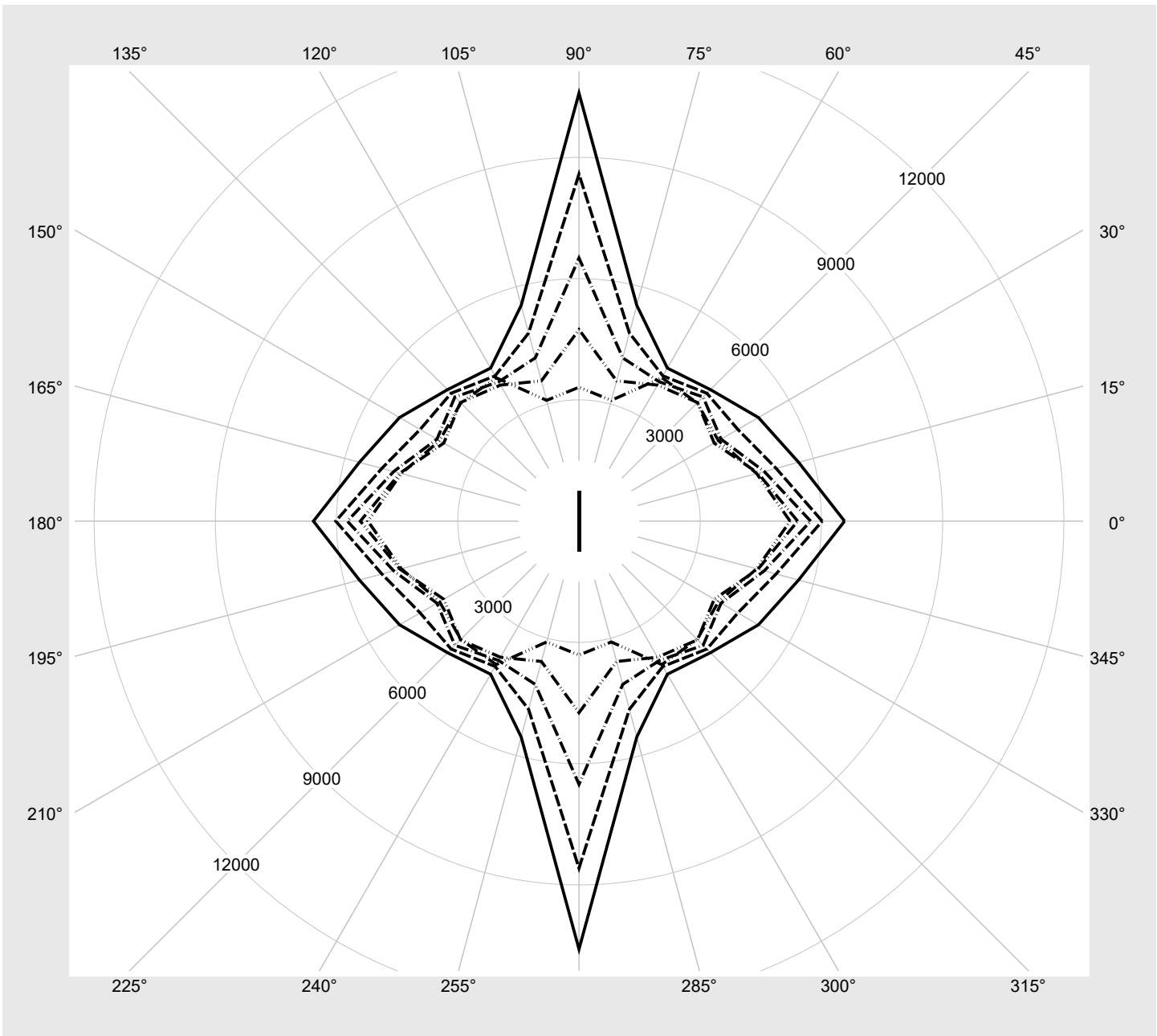
Family
Licross® 11 Protected

Order number: 51TD13CN4E5S
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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	14500	77.6	81.7	79.6
2	A	C	F	13230	70.1	74.1	72.1
3	A	D	E	12250	64.4	67.9	66.2
4	A	D	F	11180	58.3	61.3	59.8
5	B	C	E	10170	52.6	55.6	54.1
6	B	C	F	9160	47.0	49.6	48.3
7	B	D	E	8130	41.5	43.6	42.6
8	B	D	F	7090	36.1	38.2	37.2