

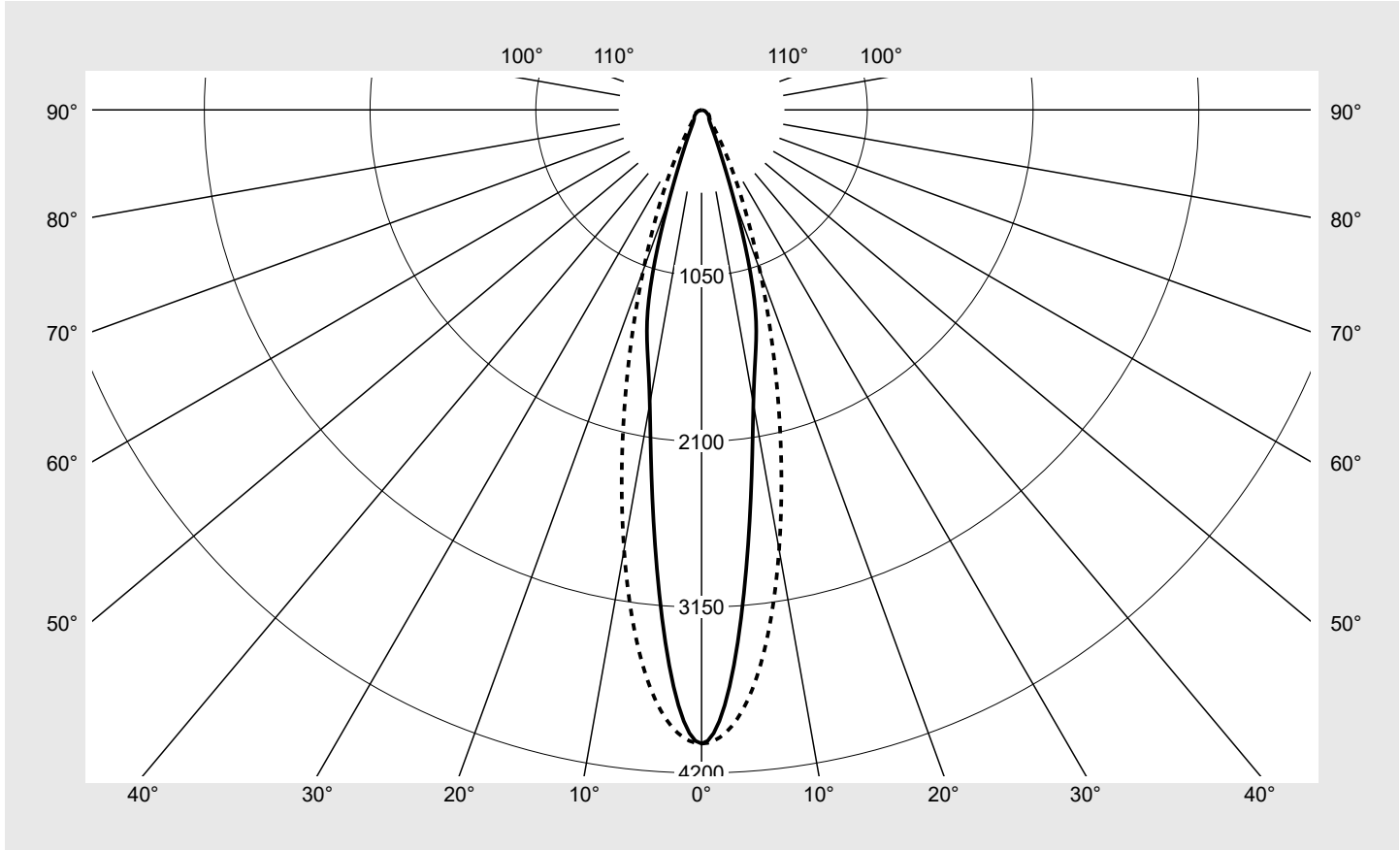


Photometric test report

Family Licross® 11 Protected	Order number: 51TD13MN4GXS EAN: 4058352928806	LP number 58527_93
	Version prismatic cover, frosted, extremely narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 16110 lm Power consumption = 87.4 W Luminous efficacy = 184.3 lm/W	serial documentation 11.10.2023
		

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	15.1	16.2	15.5	16.5	16.9	15.7	16.8	16.0	17.1	17.4
	3H	16.8	17.5	17.1	17.8	18.2	17.2	17.9	17.6	18.3	18.6
	4H	17.2	18.1	17.6	18.4	18.8	17.4	18.3	17.8	18.6	19.0
	6H	17.6	18.6	18.0	19.0	19.4	17.4	18.4	17.8	18.8	19.2
	8H	18.2	18.9	18.7	19.3	19.7	17.6	18.4	18.0	18.8	19.2
	12H	18.2	19.1	18.7	19.5	19.9	17.6	18.4	18.0	18.8	19.2
4H	2H	15.4	16.3	15.8	16.6	17.0	15.8	16.7	16.2	17.1	17.5
	3H	16.9	17.6	17.3	18.0	18.4	17.2	17.9	17.6	18.3	18.7
	4H	17.7	18.3	18.1	18.7	19.2	17.7	18.3	18.1	18.8	19.2
	6H	18.2	19.0	18.7	19.4	19.9	17.8	18.6	18.2	19.0	19.4
	8H	18.9	19.4	19.3	19.8	20.3	18.2	18.6	18.6	19.1	19.6
	12H	19.0	19.6	19.5	20.1	20.6	17.9	18.6	18.4	19.0	19.5
8H	4H	17.8	18.3	18.3	18.8	19.3	17.8	18.3	18.3	18.8	19.3
	6H	19.1	19.2	19.6	19.7	20.2	18.3	18.7	18.8	19.2	19.7
	8H	19.2	19.6	19.7	20.0	20.6	18.5	18.8	19.0	19.3	19.8
	12H	19.4	19.9	19.9	20.4	21.0	18.3	18.8	18.8	19.3	19.9
12H	4H	17.6	18.2	18.1	18.7	19.2	17.6	18.3	18.1	18.7	19.2
	6H	18.5	19.1	19.0	19.6	20.1	18.1	18.7	18.6	19.1	19.7
	8H	19.0	19.5	19.5	20.0	20.6	18.3	18.8	18.8	19.3	19.9

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°		11105.4	9887.4	7747.6	6973.4	7787.1	10433.6	14134.2	
50°		10514.5	9210.6	7110.1	6166.4	6471.6	9171.3	14111.0	
55°		9265.8	8243.6	6678.0	5658.4	5715.3	8041.8	13909.4	
60°		8189.2	7193.7	6211.8	5307.3	5201.0	7030.4	13245.5	
65°		7302.8	6251.3	5697.5	5112.6	4859.1	6141.4	11766.1	
70°		6688.3	5610.7	5043.6	4972.6	4611.9	5354.8	9539.6	
75°		6370.2	5274.3	4510.0	4826.3	4422.1	4646.1	7234.3	
80°		6013.3	5096.7	4292.7	4609.9	4319.5	3993.6	5265.5	
85°		5804.5	5057.1	4426.9	4597.5	4553.0	3438.2	3681.1	

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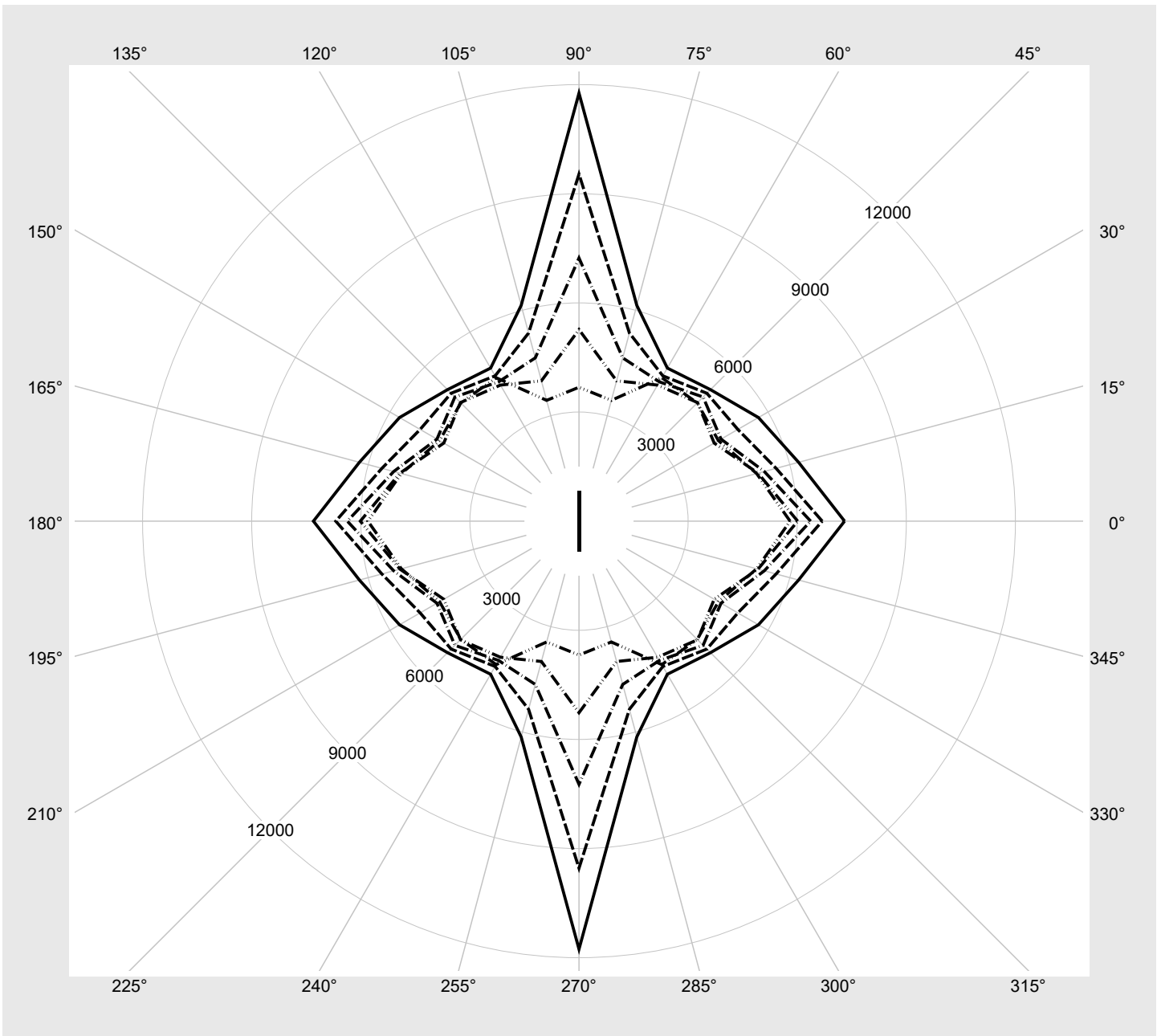
Family
Licross® 11 Protected

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LP number
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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]
	1	2	3		
1	A	C	E	16110	87.4
2	A	C	F	15311	82.6
3	A	D	E	14279	76.2
4	A	D	F	13235	70.1
5	B	C	E	12256	64.3
6	B	C	F	11180	58.3
7	B	D	E	10169	52.6
8	B	D	F	9157	47.0