

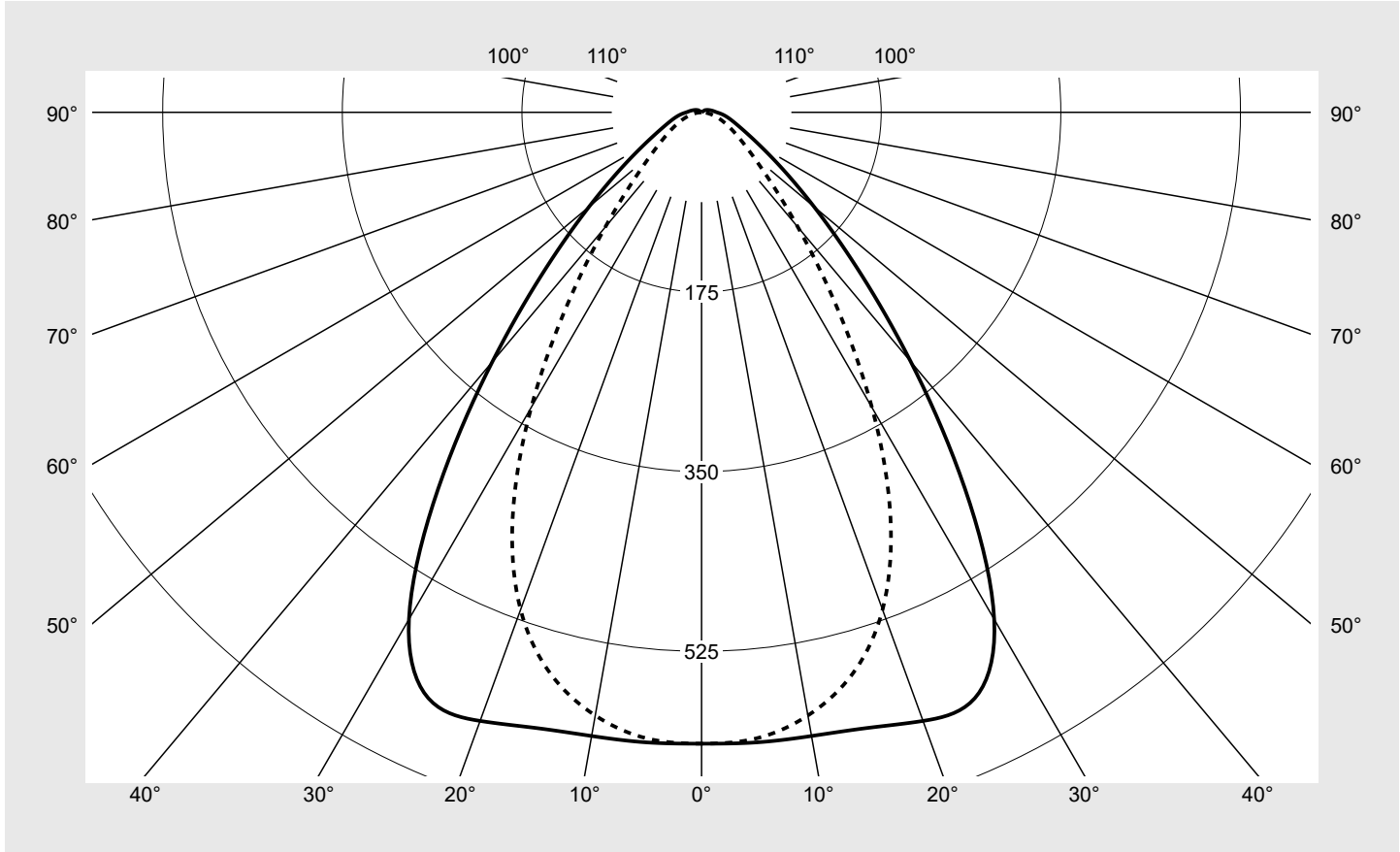


Photometric test report

Family Licross® 11 Protected	Order number: 51TP12MN4AXG EAN: 4058352930281	LP number 58524_286
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 10020 lm Power consumption = 55.3 W Luminous efficacy = 181.2 lm/W	serial documentation 11.10.2023
		

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	21.3	22.7	21.6	23.0	23.3	18.0	19.4	18.4	19.8	20.1
	3H	21.7	23.0	22.1	23.3	23.6	18.4	19.6	18.7	20.0	20.3
	4H	21.9	23.1	22.3	23.4	23.8	18.5	19.7	18.9	20.1	20.4
	6H	22.2	23.3	22.6	23.6	24.0	18.6	19.8	19.1	20.1	20.5
	8H	22.5	23.4	22.9	23.8	24.2	18.7	19.7	19.2	20.1	20.5
	12H	22.6	23.5	23.1	23.9	24.3	18.8	19.7	19.2	20.1	20.5
4H	2H	21.3	22.5	21.7	22.9	23.3	18.6	19.7	18.9	20.1	20.4
	3H	21.9	22.9	22.3	23.3	23.7	19.0	20.0	19.5	20.4	20.8
	4H	22.2	23.1	22.7	23.5	23.9	19.2	20.1	19.7	20.5	21.0
	6H	22.6	23.4	23.1	23.8	24.3	19.4	20.2	19.9	20.6	21.1
	8H	22.9	23.5	23.3	24.0	24.5	19.5	20.2	20.0	20.7	21.1
	12H	23.2	23.7	23.6	24.2	24.7	19.6	20.2	20.1	20.6	21.1
8H	4H	22.2	22.9	22.7	23.4	23.9	19.5	20.1	19.9	20.6	21.1
	6H	22.7	23.3	23.2	23.8	24.3	19.8	20.3	20.3	20.8	21.3
	8H	23.0	23.5	23.5	24.0	24.6	19.9	20.4	20.4	20.9	21.4
	12H	23.4	23.8	24.0	24.3	24.9	20.0	20.4	20.5	20.9	21.4
12H	4H	22.2	22.8	22.7	23.3	23.8	19.5	20.1	20.0	20.6	21.1
	6H	22.7	23.2	23.2	23.7	24.2	19.9	20.3	20.4	20.8	21.3
	8H	23.1	23.5	23.6	24.0	24.5	20.0	20.4	20.5	20.9	21.5

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° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	22509.1	23922.6	26183.6	23573.8	16733.1	12428.7	11543.0	
	50°	16117.0	17222.0	19234.4	17149.6	12001.7	9089.6	8650.2	
	55°	11802.8	12557.9	14035.7	12317.7	8763.8	7079.4	7007.6	
	60°	9031.1	9446.9	10307.9	9137.4	6789.1	5821.2	5982.3	
	65°	7420.2	7562.7	7834.6	7009.6	5570.9	5008.7	5278.1	
	70°	6598.5	6517.0	6259.7	5641.4	4802.6	4431.9	4761.2	
	75°	6308.2	6017.5	5352.6	4756.0	4240.5	3930.5	4274.9	
	80°	6377.1	5936.0	4981.0	4225.9	3815.6	3525.7	3800.4	
	85°	6742.3	6230.1	5052.4	4143.5	3645.4	3222.4	3431.9	

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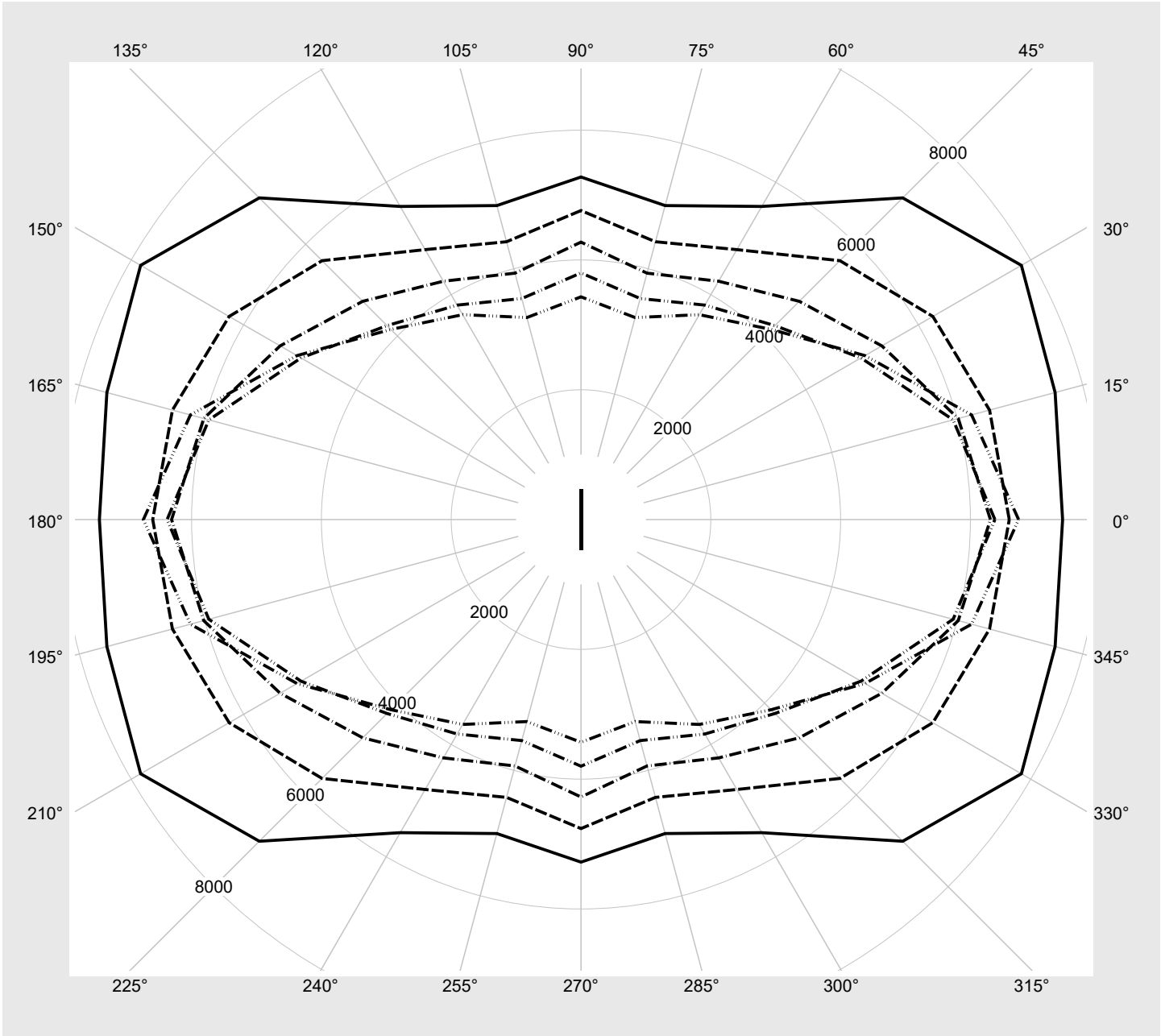
Family
Licross® 11 Protected

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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	10020	55.3
2	A	C	F	9510	52.1
3	A	D	E	9070	49.4
4	A	D	F	8540	46.3
5	B	C	E	8020	43.1
6	B	C	F	7560	40.5
7	B	D	E	7020	37.4
8	B	D	F	6560	34.7