

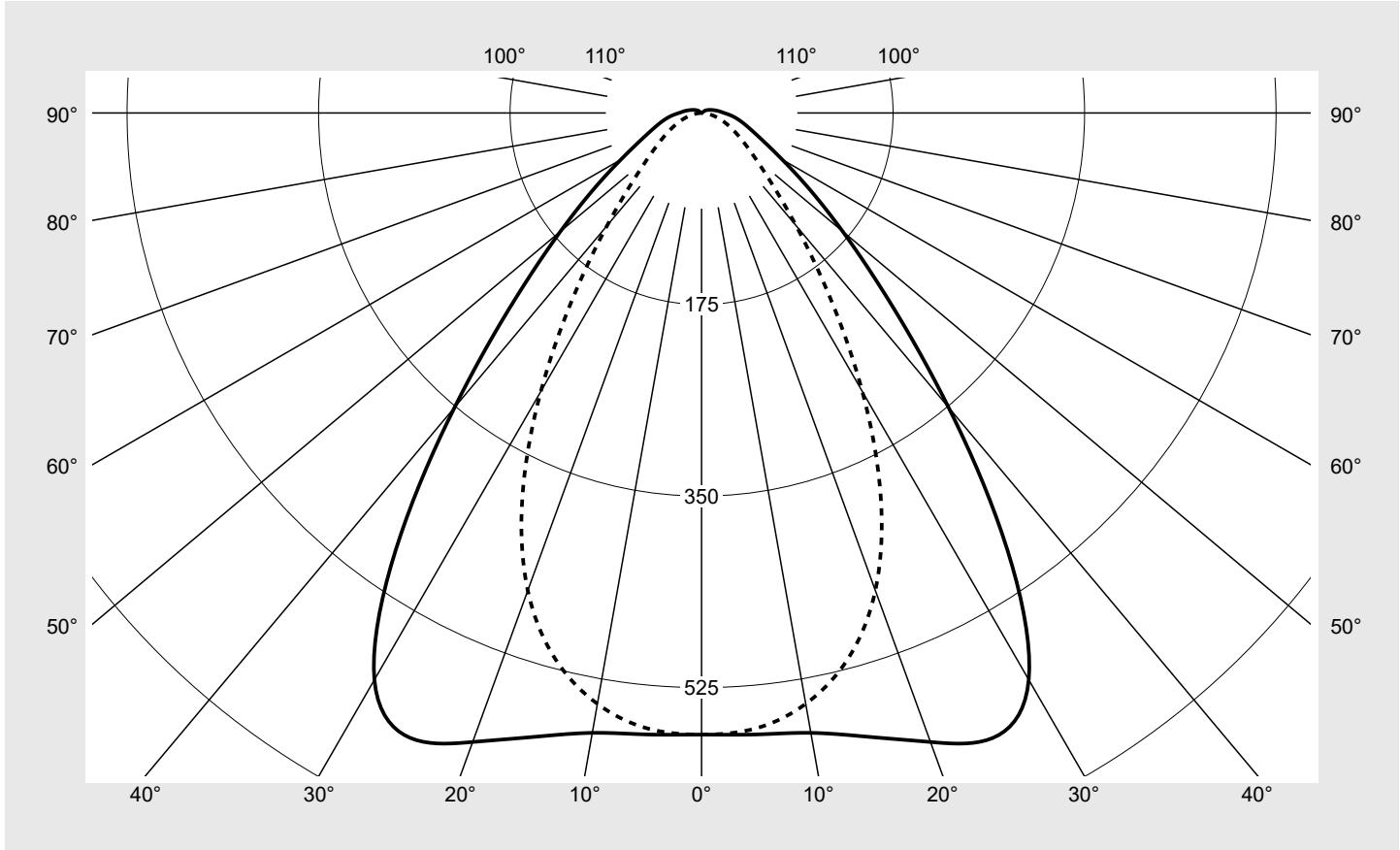


Photometric test report

Family Licross® 11 Protected	Order number: 51TD12CN4EXM EAN: 4058352928660	LP number 58523_223
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi	serial documentation 12.10.2023
	Rated values Net luminous flux = 14240 lm Power consumption = 77.6 W Luminous efficacy = 183.5 lm/W	

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 630 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=70 N2=91 N3=97 N4=98 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.3%
ϕ_o	1.7%

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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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	23.2	24.7	23.6	25.0	25.3	19.0	20.5	19.4	20.8	21.1
	3H	23.8	25.1	24.2	25.4	25.8	19.5	20.8	19.8	21.1	21.5
	4H	24.1	25.3	24.5	25.7	26.0	19.6	20.9	20.0	21.2	21.6
	6H	24.6	25.6	25.0	26.0	26.4	19.8	20.9	20.2	21.3	21.7
	8H	24.9	25.8	25.3	26.2	26.6	19.9	20.9	20.3	21.3	21.7
	12H	25.1	25.9	25.5	26.3	26.8	19.9	20.9	20.3	21.3	21.7
4H	2H	23.2	24.5	23.6	24.8	25.2	19.7	20.9	20.1	21.2	21.6
	3H	24.0	25.0	24.4	25.4	25.8	20.3	21.3	20.7	21.7	22.1
	4H	24.4	25.3	24.9	25.7	26.2	20.5	21.4	21.0	21.8	22.3
	6H	25.0	25.8	25.5	26.2	26.7	20.7	21.5	21.2	22.0	22.4
	8H	25.3	26.0	25.8	26.5	26.9	20.8	21.5	21.3	22.0	22.5
	12H	25.7	26.3	26.2	26.7	27.2	20.9	21.5	21.4	22.0	22.5
8H	4H	24.4	25.2	24.9	25.6	26.1	20.8	21.5	21.3	22.0	22.5
	6H	25.1	25.7	25.6	26.2	26.7	21.2	21.7	21.7	22.2	22.7
	8H	25.5	26.0	26.0	26.5	27.0	21.3	21.8	21.8	22.3	22.8
	12H	26.0	26.4	26.5	26.9	27.5	21.4	21.8	21.9	22.3	22.9
12H	4H	24.4	25.1	24.9	25.5	26.0	20.9	21.5	21.4	22.0	22.5
	6H	25.1	25.6	25.6	26.1	26.6	21.3	21.8	21.8	22.3	22.8
	8H	25.5	26.0	26.0	26.5	27.0	21.5	21.9	22.0	22.4	22.9

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°	36142.4	37663.8	39199.4	33062.8	22607.0	16824.7	15688.9	
	50°	26947.3	28019.7	29300.8	24314.9	16476.3	12731.3	12227.6	
	55°	20650.7	21305.5	21993.0	17926.2	12412.9	10204.2	10220.6	
	60°	16290.5	16560.5	16653.2	13547.3	9849.5	8580.8	8896.8	
	65°	13715.7	13577.1	12978.6	10640.7	8269.8	7494.5	7931.9	
	70°	12460.9	11923.8	10544.4	8746.1	7267.5	6673.7	7168.2	
	75°	12126.0	11194.8	9139.2	7517.3	6524.8	5948.8	6436.1	
	80°	12407.6	11146.0	8572.9	6787.0	5958.0	5363.3	5695.7	
	85°	13234.4	11792.2	8757.6	6737.0	5790.3	4986.2	5124.9	

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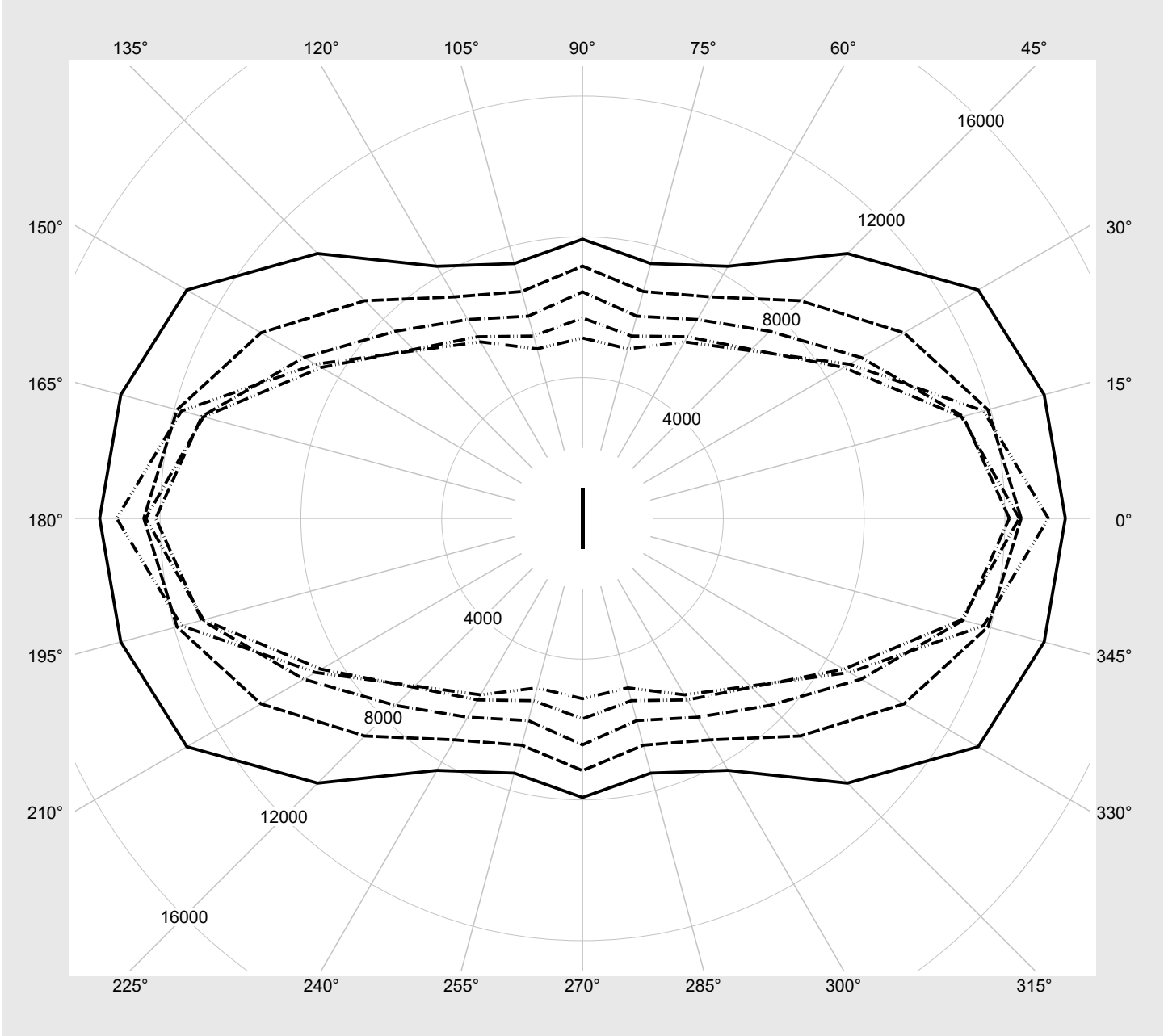
Order number: 51TD12CN4EXM
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Luminance values in cd/m²



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	14240	77.6	87.4	82.5
2	A	C	F	13005	70.1	79.0	74.6
3	A	D	E	12035	64.3	74.9	69.6
4	A	D	F	10981	58.3	65.2	61.8
5	B	C	E	9990	52.6	58.7	55.6
6	B	C	F	8989	47.0	52.2	49.6
7	B	D	E	7988	41.5	46.2	43.8
8	B	D	F	6966	36.0	39.9	38.0