
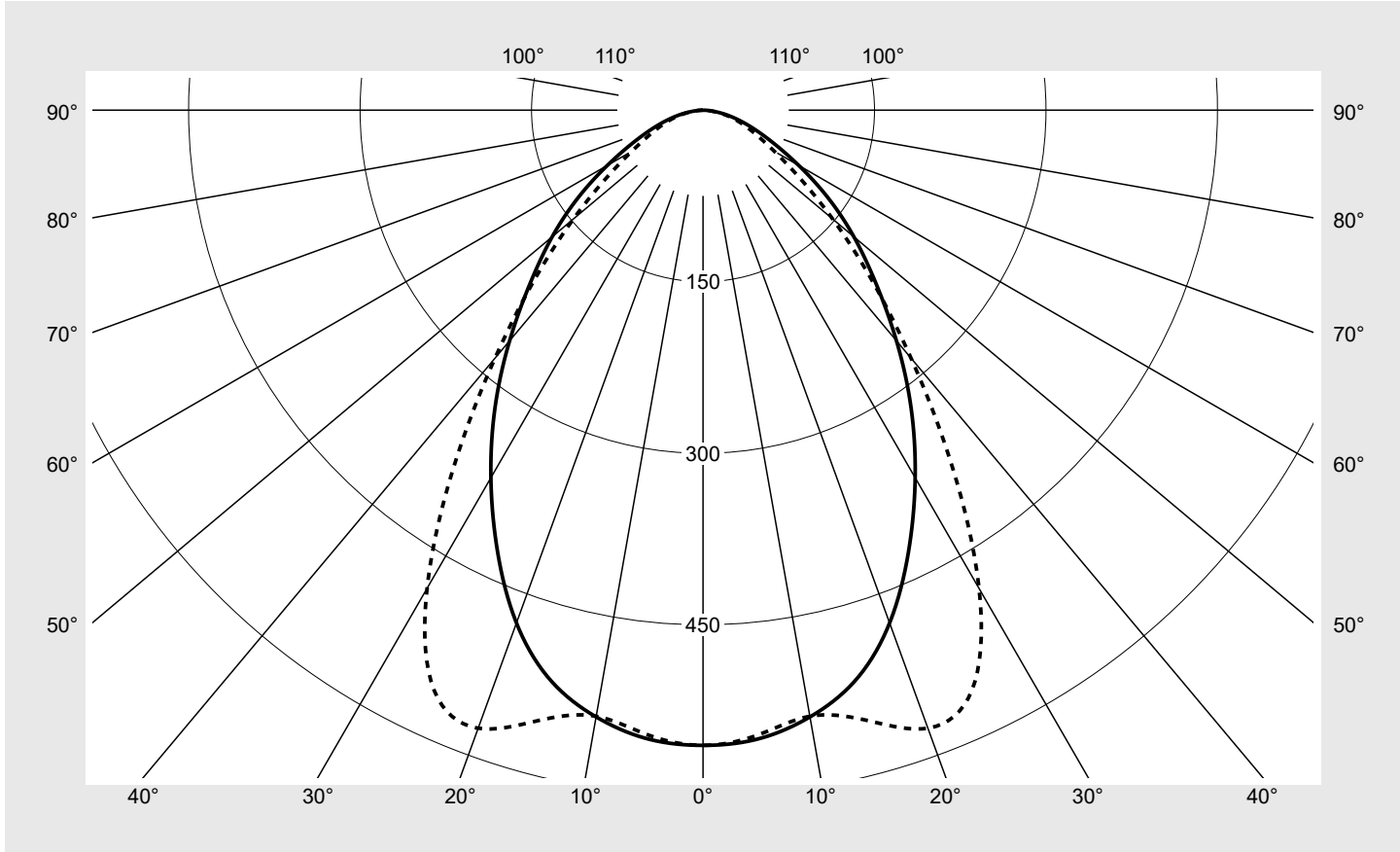


Photometric test report

Family Licross® 11 Recessed	Order number: 51TE12MN4EXM EAN: 4058352929223	LP number 58689_138
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 14100 lm Power consumption = 74.5 W Luminous efficacy = 189.3 lm/W	serial documentation 11.10.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 575 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=66 N2=91 N3=98 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

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°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	3.3	3.3
5°	551.9	549.3	545.0	546.0	548.1	548.0	548.5	26.2	29.5
10°	538.7	535.0	528.7	529.1	532.7	535.9	538.2	50.8	80.3
15°	515.9	510.9	504.6	513.1	530.5	544.7	552.3	74.2	154.5
20°	477.2	471.4	470.1	497.6	537.0	563.7	575.1	95.8	250.2
25°	425.5	419.5	426.9	469.4	521.2	548.6	558.0	111.1	361.3
30°	371.2	364.3	378.4	421.3	459.9	477.2	482.9	115.5	476.8
35°	317.2	309.8	328.6	357.7	367.8	374.7	379.7	109.4	586.2
40°	263.2	255.5	280.4	291.4	277.2	277.7	283.1	97.2	683.4
45°	213.7	204.0	230.1	230.5	202.8	200.2	207.0	82.5	765.9
50°	172.3	160.2	177.2	176.6	149.6	143.3	148.0	67.7	833.6
55°	133.3	121.6	126.4	129.1	111.8	101.0	103.0	53.0	886.6
60°	96.7	87.9	85.2	90.2	83.1	71.0	72.1	39.7	926.3
65°	67.7	61.0	56.3	61.1	60.5	50.8	52.1	29.0	955.3
70°	46.9	41.7	36.5	40.2	42.1	36.4	38.1	20.6	975.8
75°	30.9	26.7	22.6	25.0	27.1	24.7	26.6	13.7	989.5
80°	17.8	14.8	12.0	13.1	14.7	14.1	15.6	7.7	997.1
85°	6.6	5.4	4.4	4.8	5.3	5.4	5.9	2.9	1000.0
90°	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	24.1	25.6	24.4	25.9	26.2	23.5	25.0	23.9	25.3	25.7
	3H	24.8	26.1	25.2	26.5	26.8	24.1	25.4	24.5	25.8	26.1
	4H	25.1	26.3	25.5	26.7	27.1	24.4	25.6	24.8	26.0	26.3
	6H	25.3	26.4	25.7	26.8	27.2	24.6	25.7	25.0	26.1	26.5
	8H	25.4	26.5	25.9	26.8	27.3	24.7	25.7	25.2	26.1	26.5
	12H	25.5	26.4	25.9	26.8	27.2	24.8	25.7	25.2	26.1	26.5
4H	2H	24.4	25.6	24.8	26.0	26.4	24.0	25.2	24.4	25.6	25.9
	3H	25.2	26.3	25.6	26.6	27.1	24.7	25.8	25.2	26.2	26.6
	4H	25.6	26.5	26.0	26.9	27.3	25.1	26.0	25.5	26.4	26.9
	6H	25.9	26.7	26.3	27.1	27.5	25.4	26.2	25.8	26.6	27.1
	8H	26.0	26.7	26.4	27.1	27.6	25.5	26.2	25.9	26.6	27.1
	12H	26.0	26.7	26.5	27.1	27.6	25.5	26.2	26.0	26.6	27.1
8H	4H	25.7	26.4	26.1	26.8	27.3	25.2	25.9	25.7	26.4	26.9
	6H	26.0	26.6	26.5	27.1	27.6	25.6	26.2	26.1	26.6	27.1
	8H	26.1	26.6	26.6	27.1	27.6	25.7	26.2	26.2	26.7	27.2
	12H	26.2	26.6	26.7	27.1	27.7	25.8	26.2	26.3	26.7	27.3
12H	4H	25.7	26.3	26.2	26.8	27.3	25.2	25.9	25.7	26.3	26.8
	6H	26.0	26.5	26.5	27.0	27.5	25.6	26.1	26.1	26.6	27.1
	8H	26.1	26.6	26.7	27.1	27.6	25.7	26.2	26.3	26.7	27.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

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°		48981.2	46754.1	52729.8	52822.1	46485.2	45880.1	47451.8
50°		43435.2	40402.5	44683.3	44535.3	37721.3	36131.1	37314.7
55°		37672.7	34347.0	35704.1	36471.0	31582.7	28546.9	29104.1
60°		31335.4	28484.3	27626.0	29230.4	26946.2	23016.7	23357.7
65°		25955.6	23403.5	21600.7	23417.3	23210.6	19496.9	19965.1
70°		22216.8	19780.7	17301.0	19059.5	19954.2	17259.3	18056.8
75°		19370.5	16699.8	14133.0	15625.2	16954.6	15446.1	16642.2
80°		16585.1	13778.6	11177.4	12272.2	13678.7	13196.2	14565.4
85°		12259.9	10043.3	8168.9	8871.8	9812.8	9982.0	10922.9

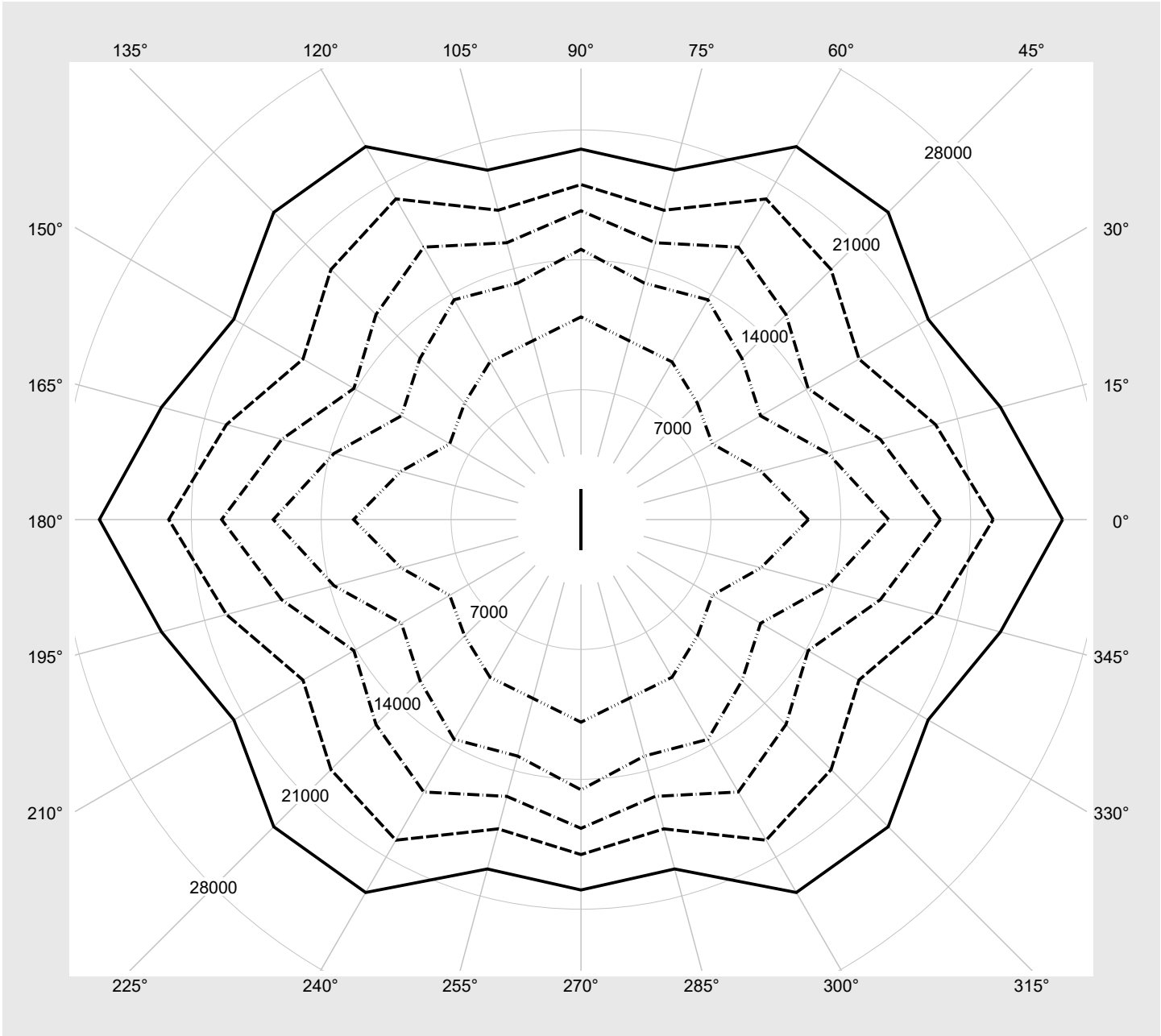
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Luminance values in cd/m²

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]
	1	2	3		
1	A	C	E	14100	74.5
2	A	C	F	13120	68.7
3	A	D	E	12130	63.0
4	A	D	F	11120	57.4
5	B	C	E	10110	51.7
6	B	C	F	9090	46.2
7	B	D	E	8130	41.1
8	B	D	F	7080	35.6