
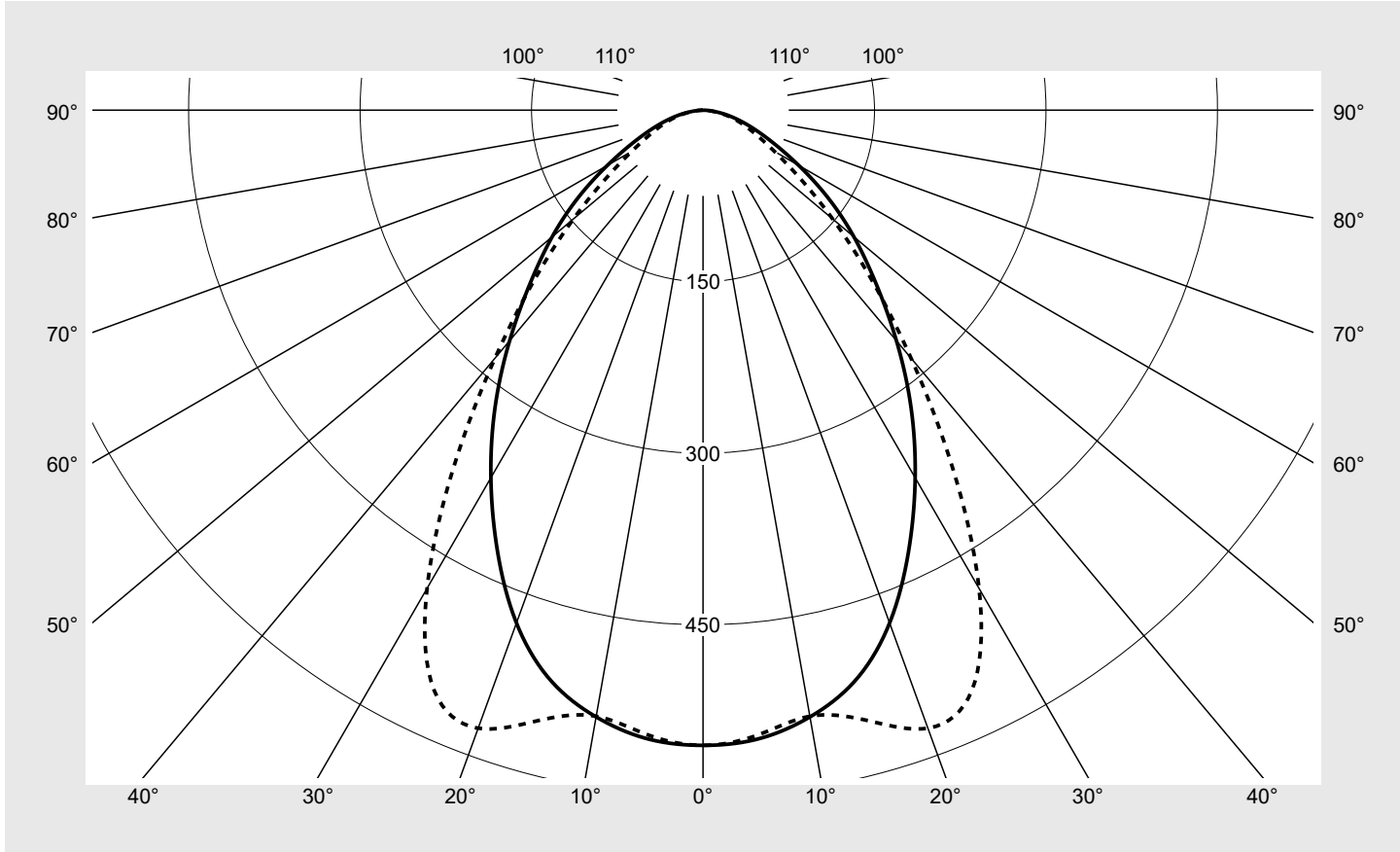


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12MN46XM EAN: 4058352922439	LP number 58689_156
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 6020 lm Power consumption = 30.1 W Luminous efficacy = 200 lm/W	serial documentation 12.10.2023



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



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	21.1	22.6	21.5	22.9	23.2	20.6	22.1	20.9	22.4	22.7
	3H	21.8	23.2	22.2	23.5	23.9	21.2	22.5	21.6	22.8	23.2
	4H	22.1	23.4	22.5	23.7	24.1	21.4	22.7	21.8	23.0	23.4
	6H	22.4	23.5	22.8	23.9	24.3	21.6	22.8	22.1	23.1	23.5
	8H	22.5	23.5	22.9	23.9	24.3	21.8	22.8	22.2	23.2	23.6
	12H	22.5	23.5	23.0	23.9	24.3	21.8	22.8	22.2	23.2	23.6
4H	2H	21.4	22.7	21.8	23.0	23.4	21.0	22.3	21.4	22.6	23.0
	3H	22.3	23.3	22.7	23.7	24.1	21.8	22.8	22.2	23.2	23.6
	4H	22.6	23.5	23.1	23.9	24.4	22.1	23.1	22.6	23.5	23.9
	6H	22.9	23.7	23.4	24.1	24.6	22.4	23.2	22.9	23.6	24.1
	8H	23.0	23.7	23.5	24.2	24.6	22.5	23.2	23.0	23.7	24.2
	12H	23.1	23.7	23.6	24.2	24.7	22.6	23.2	23.1	23.7	24.2
8H	4H	22.7	23.4	23.2	23.9	24.4	22.3	23.0	22.7	23.4	23.9
	6H	23.0	23.6	23.5	24.1	24.6	22.6	23.2	23.1	23.7	24.2
	8H	23.2	23.7	23.7	24.2	24.7	22.7	23.3	23.2	23.8	24.3
	12H	23.3	23.7	23.8	24.2	24.7	22.8	23.3	23.4	23.8	24.3
12H	4H	22.7	23.3	23.2	23.8	24.3	22.3	22.9	22.8	23.4	23.9
	6H	23.1	23.6	23.6	24.0	24.6	22.6	23.1	23.1	23.6	24.1
	8H	23.2	23.6	23.7	24.1	24.7	22.8	23.2	23.3	23.7	24.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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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°		20912.5	19961.7	22513.0	22552.4	19846.9	19588.5	20259.5	
50°		18544.7	17249.9	19077.5	19014.4	16105.1	15426.2	15931.5	
55°		16084.4	14664.5	15243.9	15571.3	13484.2	12188.1	12426.0	
60°		13378.7	12161.4	11794.9	12479.9	11504.7	9827.0	9972.6	
65°		11081.8	9992.1	9222.4	9998.0	9909.8	8324.2	8524.1	
70°		9485.5	8445.4	7386.7	8137.5	8519.4	7368.9	7709.4	
75°		8270.2	7130.0	6034.1	6671.2	7238.8	6594.7	7105.4	
80°		7081.0	5882.8	4772.2	5239.6	5840.1	5634.1	6218.7	
85°		5234.4	4288.0	3487.7	3787.8	4189.6	4261.8	4663.5	

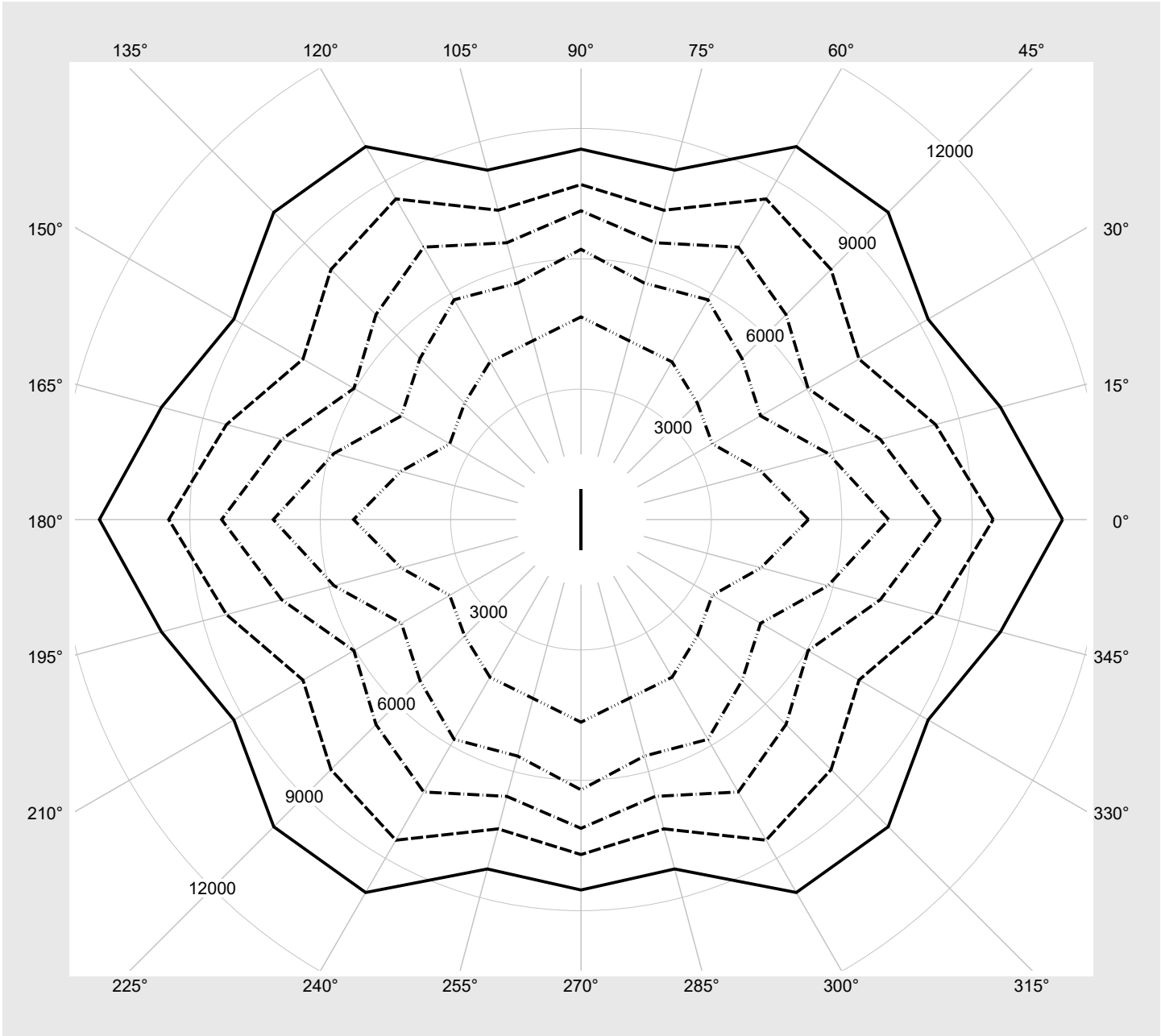
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Luminance values in cd/m²

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	6020	30.1
2	A	C	F	5770	28.9
3	A	D	E	5610	28.0
4	A	D	F	5360	26.8
5	B	C	E	5110	25.6
6	B	C	F	4850	24.3
7	B	D	E	4690	23.5
8	B	D	F	4440	22.3