
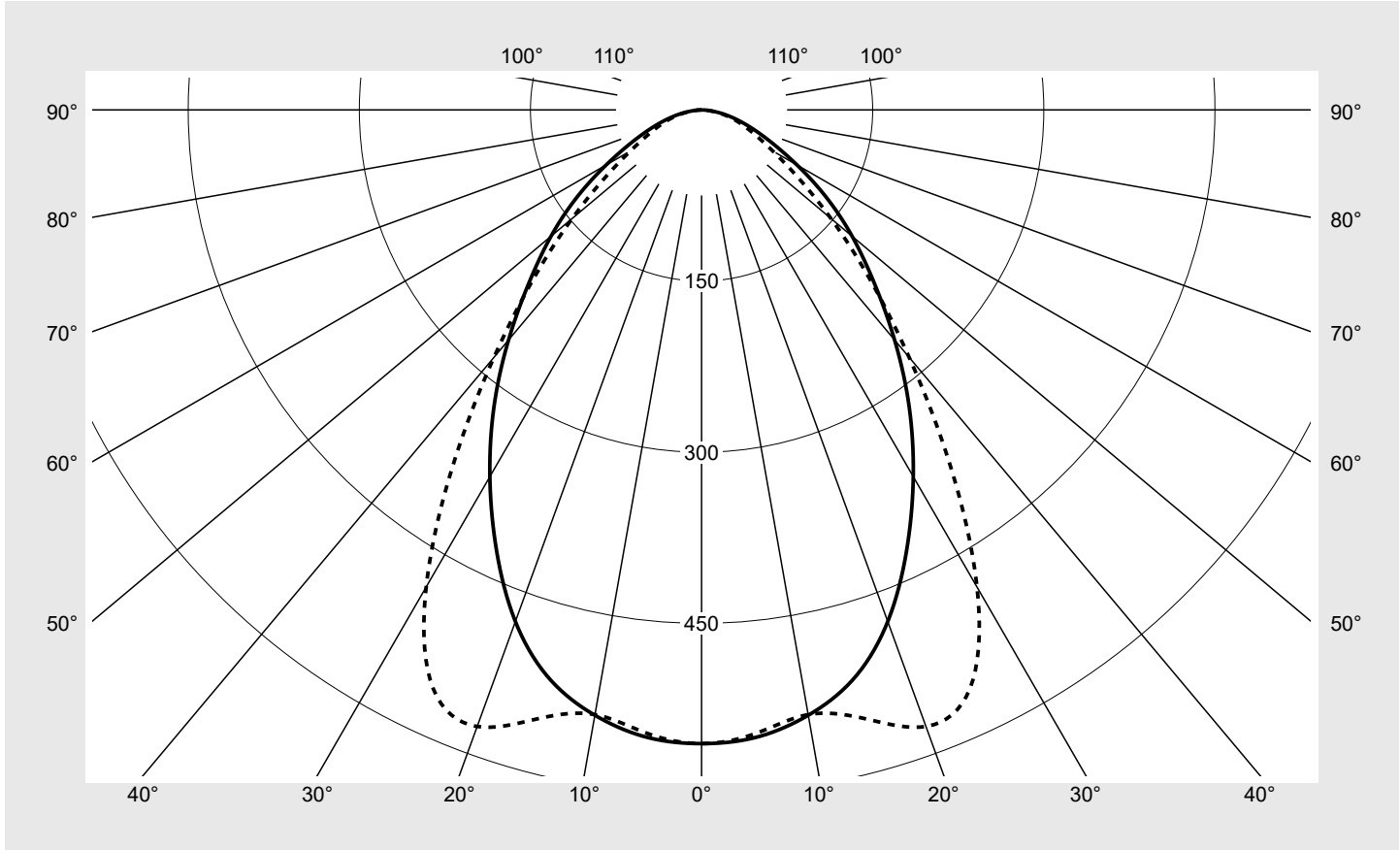


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DN4EXME EAN: 4058352987506	LP number 58689_157
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 14030 lm Power consumption = 76.8 W Luminous efficacy = 182.7 lm/W	serial documentation 30.10.2023
		

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	25.6
	3H	24.8	26.1	25.2	26.4	26.8	24.1	25.4	24.5	25.8	26.1
	4H	25.1	26.3	25.5	26.7	27.0	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	26.4	25.9	26.8	27.2	24.7	25.7	25.1	26.1	26.5
	12H	25.5	26.4	25.9	26.8	27.2	24.7	25.7	25.2	26.1	26.5
4H	2H	24.4	25.6	24.8	26.0	26.3	24.0	25.2	24.4	25.5	25.9
	3H	25.2	26.2	25.6	26.6	27.0	24.7	25.8	25.2	26.1	26.6
	4H	25.6	26.5	26.0	26.9	27.3	25.1	26.0	25.5	26.4	26.8
	6H	25.8	26.6	26.3	27.1	27.5	25.4	26.1	25.8	26.6	27.0
	8H	25.9	26.7	26.4	27.1	27.6	25.5	26.2	25.9	26.6	27.1
	12H	26.0	26.6	26.5	27.1	27.6	25.5	26.1	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	26.8
	6H	26.0	26.6	26.5	27.0	27.5	25.6	26.1	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	26.7	27.2	25.2	25.8	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	26.6	27.1	27.6	25.7	26.2	26.2	26.7	27.2

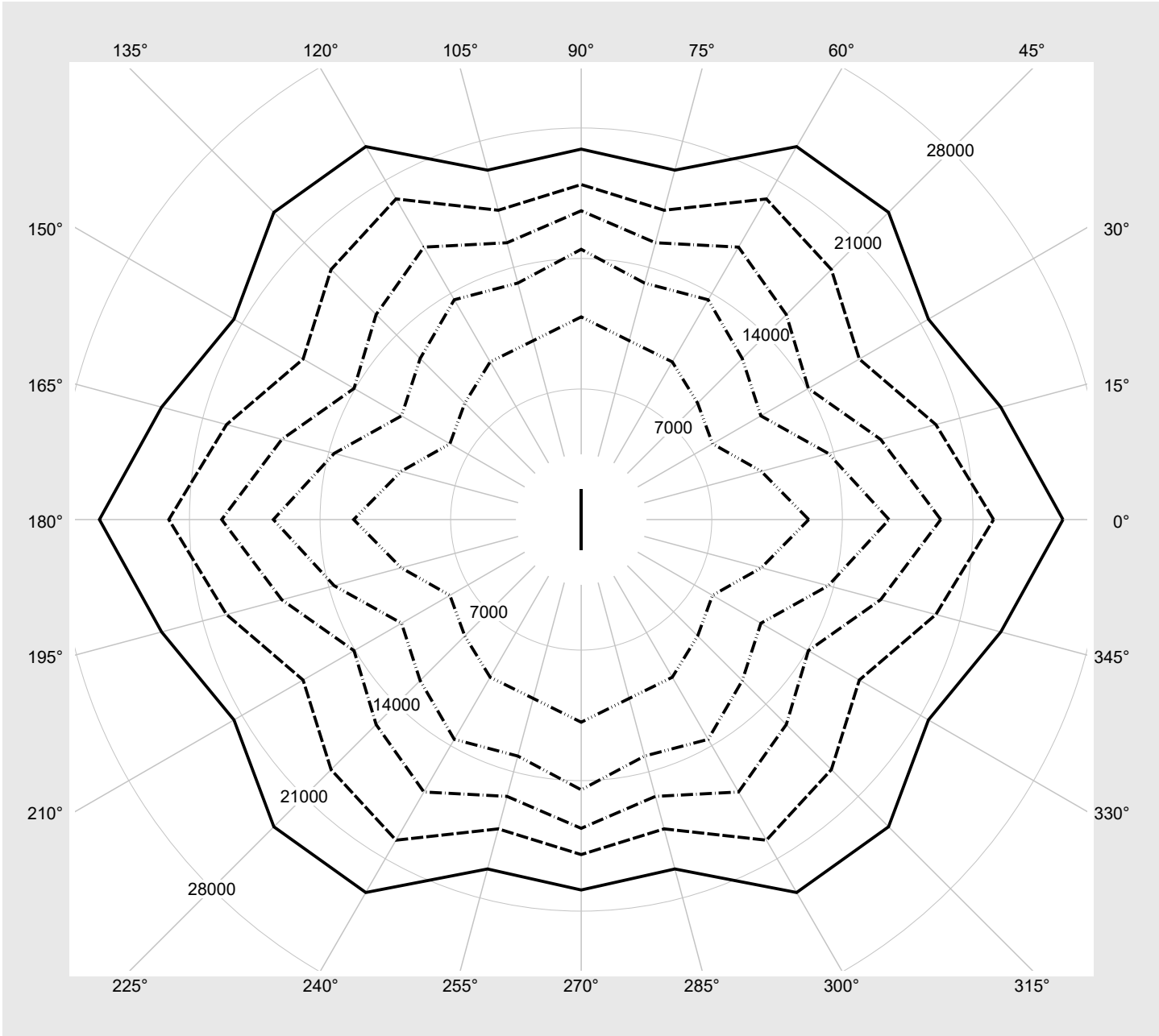
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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C-planes	γ	Luminance in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°	45°	48738.0	46522.0	52468.0	52559.9	46254.4	45652.4	47216.2
50°	50°	43219.6	40202.0	44461.5	44314.2	37534.1	35951.8	37129.4
55°	55°	37485.7	34176.5	35526.9	36289.9	31425.9	28405.2	28959.6
60°	60°	31179.8	28342.9	27488.8	29085.3	26812.5	22902.4	23241.7
65°	65°	25826.8	23287.3	21493.5	23301.0	23095.4	19400.1	19866.0
70°	70°	22106.5	19682.5	17215.1	18964.9	19855.1	17173.6	17967.2
75°	75°	19274.3	16616.9	14062.9	15547.7	16870.5	15369.5	16559.5
80°	80°	16502.7	13710.2	11121.9	12211.3	13610.8	13130.7	14493.1
85°	85°	12199.0	9993.5	8128.4	8827.8	9764.0	9932.4	10868.7

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14030	76.8
95	240	252	13312	72.6
90	227	250	12640	68.6
85	213	248	11908	64.3
80	200	245	11224	60.3
75	187	243	10535	56.5
70	174	240	9842	52.6
65	161	237	9144	48.7
60	148	234	8437	44.8
55	135	231	7728	41.0
50	122	227	7010	37.3
45	109	223	6288	33.5
40	97	219	5614	30.0
35	85	214	4935	26.6
30	72	208	4193	22.9
25	60	201	3505	19.5
20	48	193	2809	16.1
15	36	182	2111	12.6
10	24	168	1407	9.2
5	12	142	696	5.9
2	4	102	219	3.6