

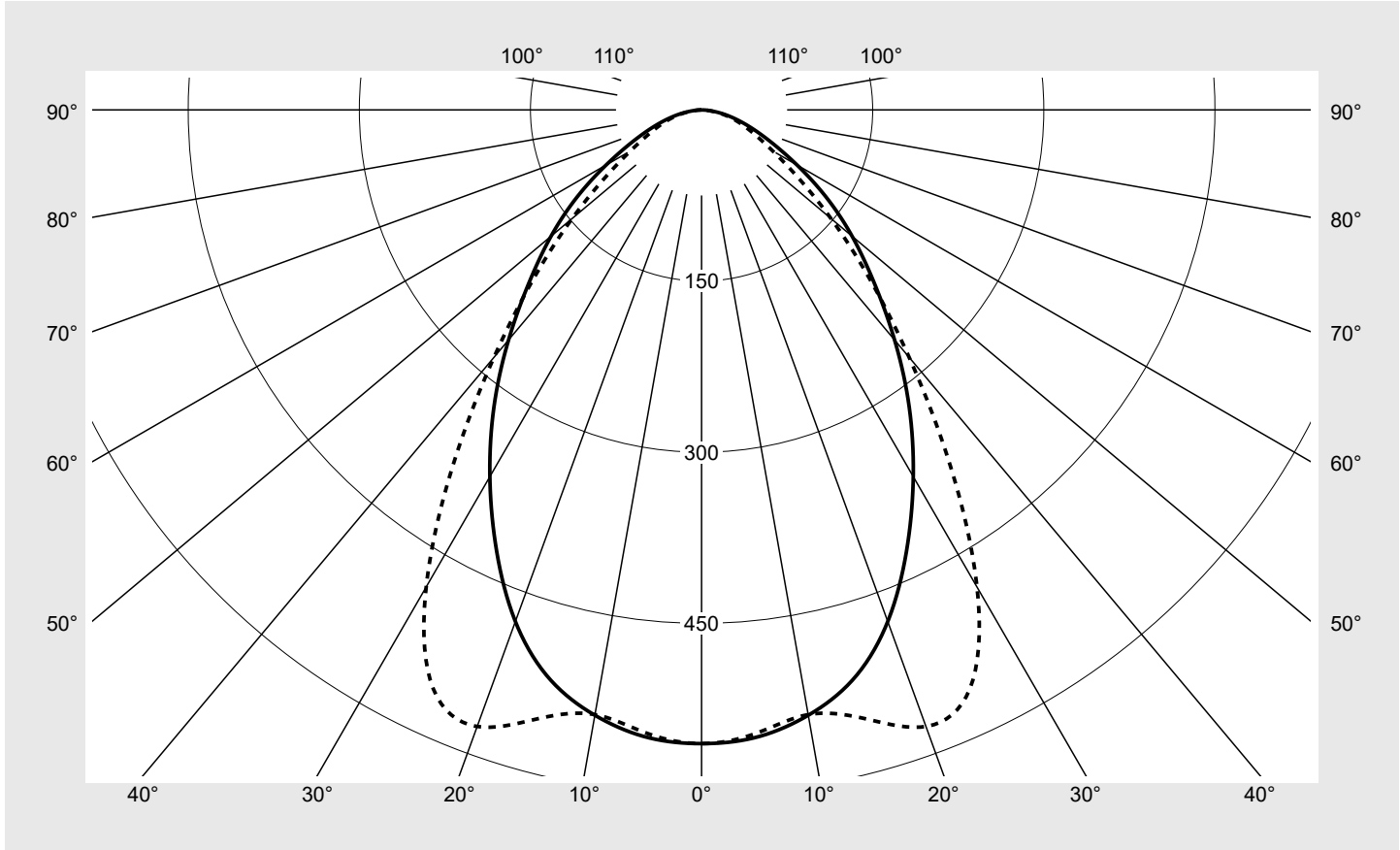


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DN4DXL3C EAN: 4058352485262	LP number 58689_32
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting AC-mode Rated values Net luminous flux = 13000 lm Power consumption = 79.8 W Luminous efficacy = 162.9 lm/W	serial documentation 04.05.2021 

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	23.8	25.3	24.2	25.6	25.9	23.3	24.7	23.6	25.1	25.4
	3H	24.5	25.8	24.9	26.2	26.5	23.8	25.2	24.2	25.5	25.9
	4H	24.8	26.0	25.2	26.4	26.8	24.1	25.3	24.5	25.7	26.1
	6H	25.0	26.2	25.4	26.5	26.9	24.3	25.4	24.7	25.8	26.2
	8H	25.2	26.2	25.6	26.6	27.0	24.4	25.5	24.9	25.8	26.3
	12H	25.2	26.2	25.6	26.5	27.0	24.5	25.4	24.9	25.8	26.2
4H	2H	24.1	25.4	24.5	25.7	26.1	23.7	24.9	24.1	25.3	25.6
	3H	24.9	26.0	25.4	26.4	26.8	24.5	25.5	24.9	25.9	26.3
	4H	25.3	26.2	25.7	26.6	27.1	24.8	25.7	25.3	26.1	26.6
	6H	25.6	26.4	26.0	26.8	27.3	25.1	25.9	25.6	26.3	26.8
	8H	25.7	26.4	26.2	26.8	27.3	25.2	25.9	25.7	26.4	26.8
	12H	25.8	26.4	26.2	26.8	27.3	25.3	25.9	25.8	26.3	26.8
8H	4H	25.4	26.1	25.9	26.5	27.0	24.9	25.7	25.4	26.1	26.6
	6H	25.7	26.3	26.2	26.8	27.3	25.3	25.9	25.8	26.4	26.9
	8H	25.8	26.4	26.3	26.8	27.4	25.4	25.9	25.9	26.4	26.9
	12H	25.9	26.4	26.4	26.9	27.4	25.5	25.9	26.0	26.4	27.0
12H	4H	25.4	26.0	25.9	26.5	27.0	25.0	25.6	25.4	26.0	26.5
	6H	25.7	26.2	26.2	26.7	27.2	25.3	25.8	25.8	26.3	26.8
	8H	25.9	26.3	26.4	26.8	27.3	25.5	25.9	26.0	26.4	26.9

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°		45160.0	43106.6	48616.1	48701.3	42858.7	42300.8	43749.9	
50°		40046.7	37250.6	41197.4	41060.9	34778.5	33312.4	34403.6	
55°		34733.7	31667.4	32918.7	33625.7	29118.8	26319.8	26833.6	
60°		28890.8	26262.1	25470.7	26950.0	24844.0	21221.1	21535.5	
65°		23930.7	21577.7	19915.6	21590.4	21399.8	17975.9	18407.6	
70°		20483.6	18237.5	15951.3	17572.6	18397.5	15912.9	16648.1	
75°		17859.3	15396.9	13030.5	14406.2	15631.9	14241.1	15343.8	
80°		15291.2	12703.6	10305.4	11314.8	12611.6	12166.7	13429.1	
85°		11303.5	9259.8	7531.6	8179.7	9047.2	9203.2	10070.8	

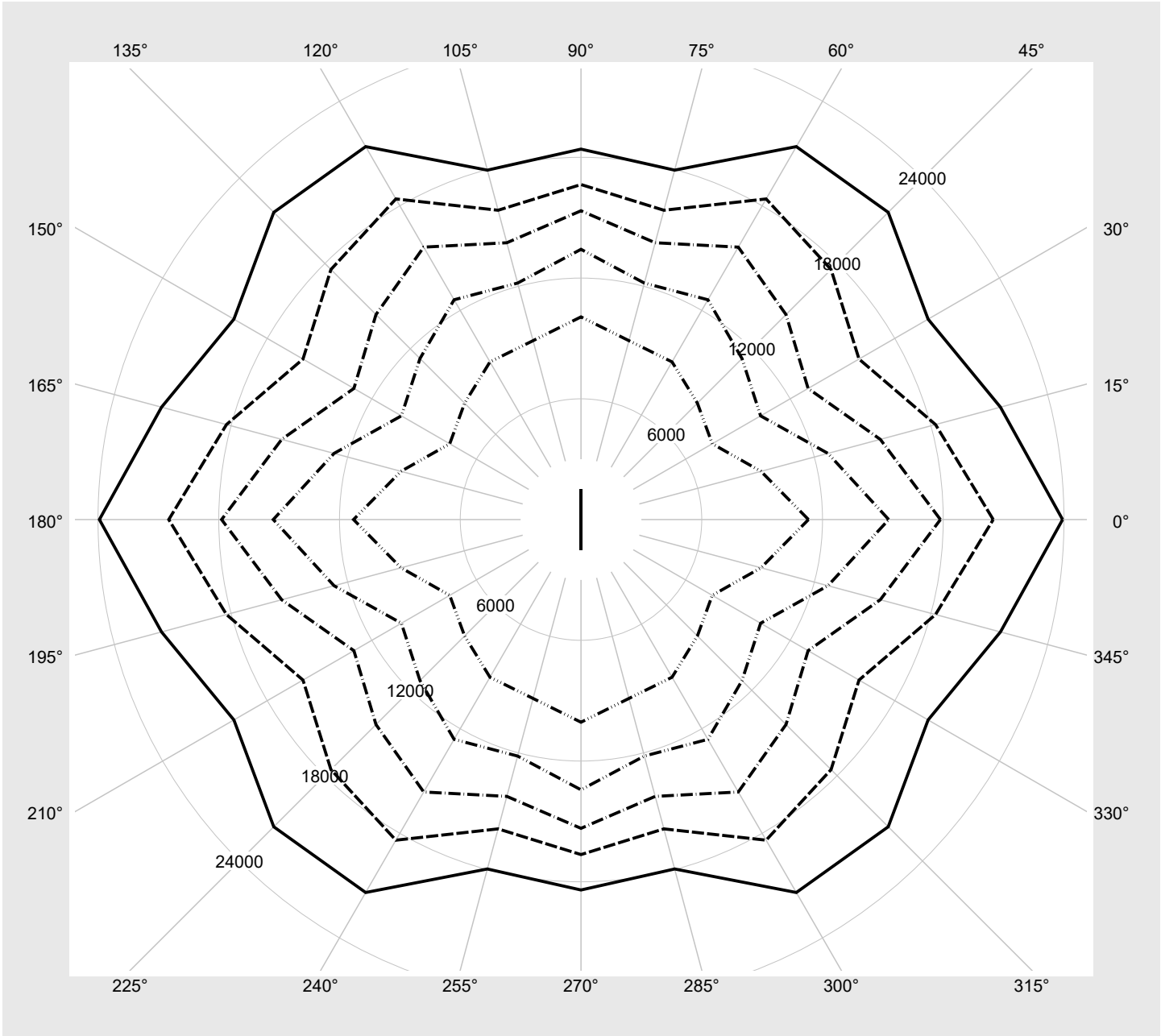
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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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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	13000	79.8
95	240	252	12337	75.5
90	227	250	11715	71.6
85	213	248	11035	67.4
80	200	245	10401	63.5
75	187	243	9759	59.6
70	174	240	9113	55.9
65	161	237	8461	52.0
60	148	234	7794	48.3
55	135	231	7128	44.4
50	123	227	6512	41.0
45	110	223	5840	37.2
40	98	219	5219	33.9
35	85	214	4534	30.1
30	73	208	3900	26.8
25	61	202	3260	23.4
20	49	194	2617	20.0
15	37	183	1969	16.6
10	25	169	1318	13.3
5	13	145	667	10.0
2	5	110	240	7.9