

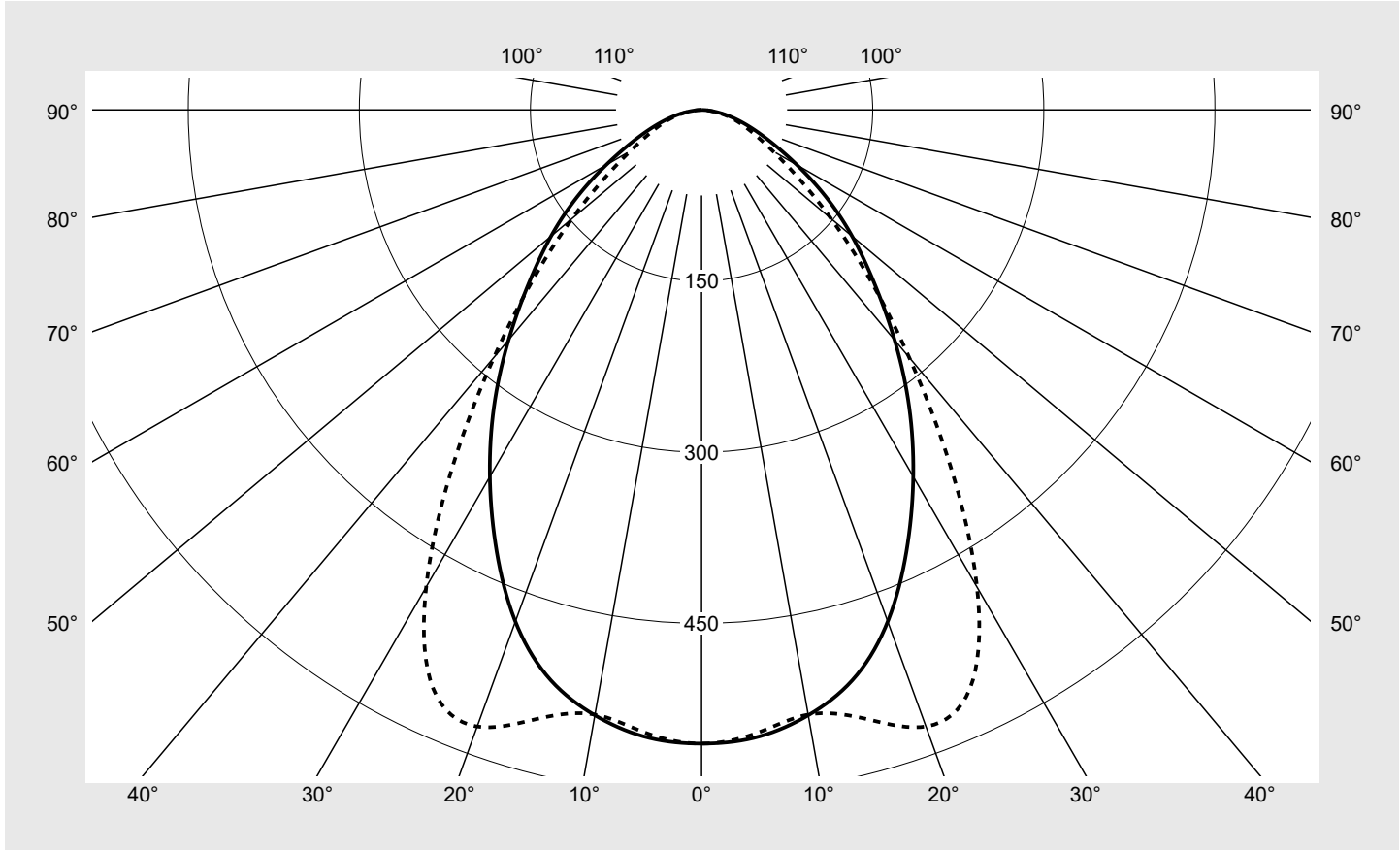


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DN4DXLD EAN: 4058352418192	LP number 58689_17
	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 = 75.1 W Luminous efficacy = 173.1 lm/W	serial documentation 26.08.2020 

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

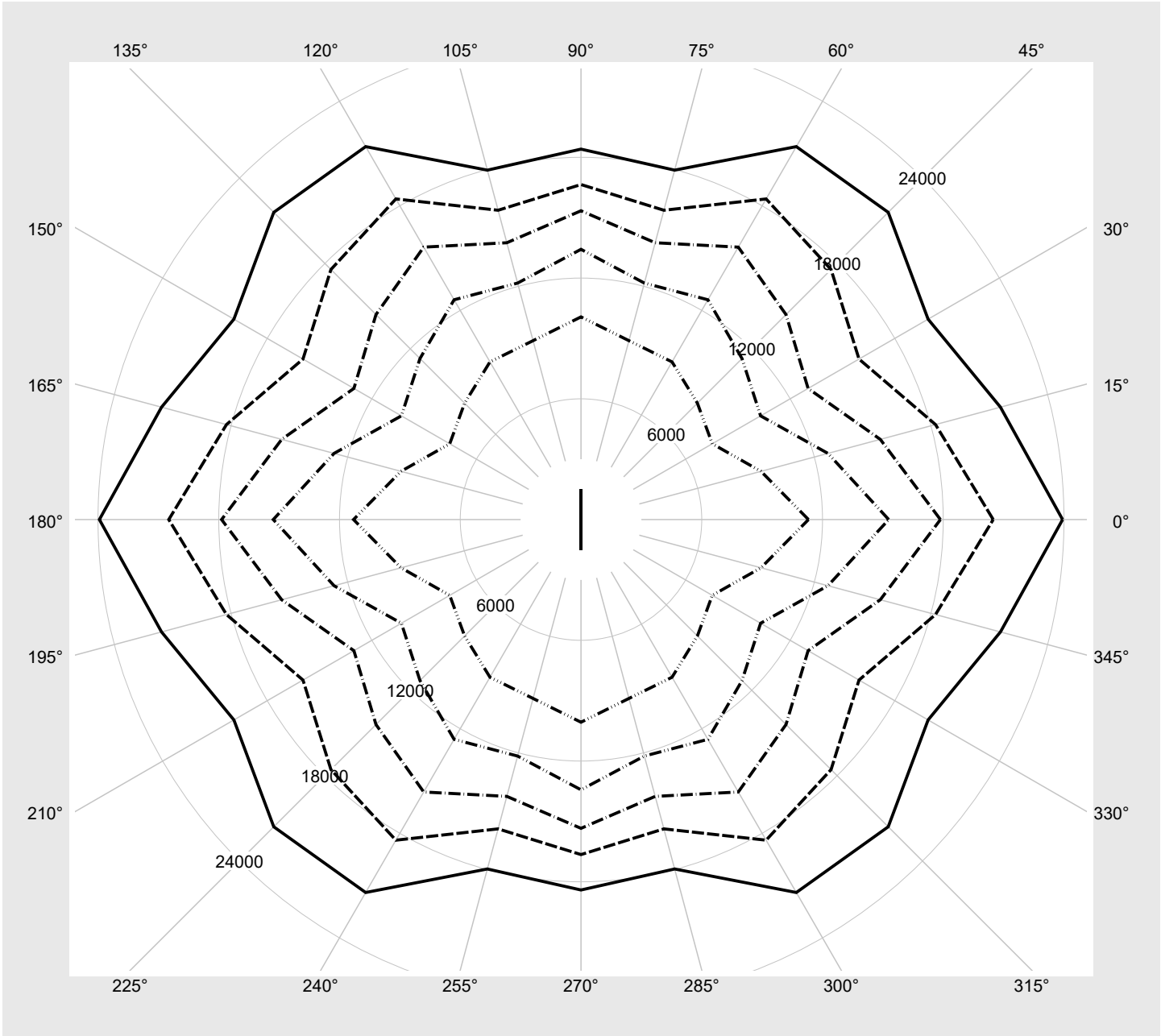
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

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° **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	13000	75.1
95	241	252	12359	71.0
90	227	250	11690	66.8
85	214	248	11067	63.0
80	200	245	10392	59.0
75	187	243	9742	55.1
70	174	240	9092	51.4
65	161	237	8441	47.6
60	148	234	7791	43.8
55	135	231	7137	40.2
50	123	227	6508	36.7
45	110	223	5830	33.0
40	97	219	5177	29.5
35	85	214	4545	26.1
30	73	208	3888	22.7
25	61	202	3259	19.3
20	48	193	2575	15.8
15	37	183	1970	12.7
10	25	169	1310	9.4
5	13	145	680	6.2