
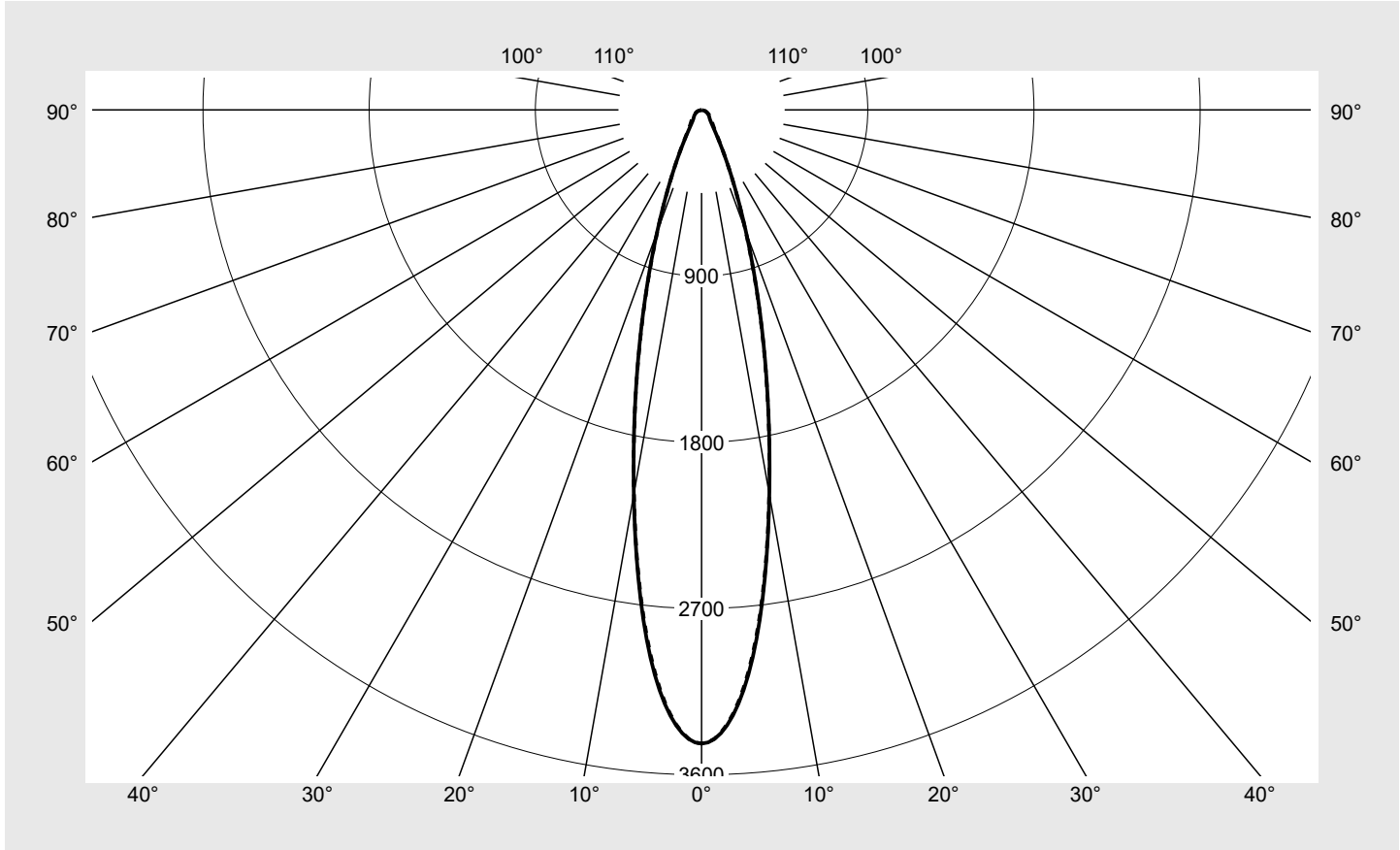


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL11DV4M2S EAN: 4058352925133	LP number 58784_295
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 27080 lm Power consumption = 150.5 W Luminous efficacy = 179.9 lm/W	serial documentation 14.09.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 3431 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 N2=95 N3=99 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
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C-planes	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°			
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	20.5	20.5
5°	3030.0	3009.9	2995.2	3008.4	3015.8	3015.7	3017.5	143.9	164.4
10°	2113.5	2098.5	2092.1	2104.8	2111.9	2109.7	2109.2	200.3	364.7
15°	1287.2	1281.7	1283.9	1294.7	1294.7	1286.2	1283.2	182.7	547.4
20°	703.4	705.4	717.6	726.5	719.3	702.5	697.3	133.5	680.9
25°	354.0	358.8	370.9	376.0	367.5	355.6	354.0	84.3	765.2
30°	176.2	179.2	185.6	185.7	179.6	178.8	183.6	49.7	814.9
35°	102.4	102.6	103.9	102.5	99.6	107.7	116.7	32.8	847.7
40°	73.1	72.4	71.7	70.6	70.7	80.9	90.2	26.3	874.0
45°	60.7	58.7	57.0	56.9	57.9	66.7	75.5	23.6	897.6
50°	52.7	51.5	51.2	50.6	50.0	56.0	63.2	22.2	919.8
55°	44.8	43.4	45.4	45.0	43.0	46.3	51.7	20.3	940.1
60°	37.3	36.1	38.2	39.8	37.2	38.0	41.8	18.1	958.2
65°	29.8	28.9	31.0	34.0	31.7	30.7	33.0	15.5	973.8
70°	21.9	21.7	22.9	26.9	25.3	23.3	24.3	12.3	986.1
75°	12.2	12.7	14.5	18.5	17.7	15.7	16.0	8.2	994.3
80°	5.5	5.6	6.4	9.0	10.0	8.8	8.6	4.2	998.5
85°	2.2	2.1	2.4	3.2	3.5	3.4	3.0	1.6	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	18.1	19.2	18.4	19.5	19.8	18.4	19.6	18.8	19.9	20.2
	3H	19.4	20.4	19.8	20.7	21.1	19.9	20.8	20.2	21.2	21.5
	4H	19.8	20.7	20.2	21.0	21.4	20.4	21.3	20.8	21.6	22.0
	6H	19.9	20.8	20.4	21.1	21.5	20.7	21.5	21.1	21.9	22.3
	8H	20.0	20.7	20.5	21.1	21.5	20.9	21.6	21.3	21.9	22.3
	12H	20.0	20.7	20.5	21.1	21.5	20.9	21.5	21.3	21.9	22.3
4H	2H	18.8	19.7	19.2	20.1	20.4	19.1	20.0	19.5	20.4	20.7
	3H	20.3	21.0	20.7	21.4	21.8	20.7	21.5	21.1	21.8	22.3
	4H	20.7	21.4	21.2	21.8	22.3	21.3	22.0	21.8	22.4	22.8
	6H	20.9	21.5	21.4	21.9	22.4	21.7	22.3	22.2	22.7	23.2
	8H	21.0	21.5	21.4	21.9	22.4	21.8	22.3	22.3	22.8	23.3
	12H	21.0	21.4	21.5	21.9	22.4	21.9	22.3	22.4	22.8	23.3
8H	4H	21.1	21.6	21.5	22.0	22.5	21.6	22.1	22.1	22.5	23.0
	6H	21.3	21.7	21.8	22.2	22.7	22.1	22.5	22.6	23.0	23.5
	8H	21.3	21.7	21.8	22.2	22.7	22.3	22.6	22.8	23.1	23.6
	12H	21.4	21.7	21.9	22.2	22.7	22.3	22.7	22.9	23.2	23.7
12H	4H	21.1	21.5	21.6	22.0	22.5	21.6	22.0	22.1	22.5	23.0
	6H	21.3	21.7	21.8	22.2	22.7	22.1	22.5	22.6	22.9	23.5
	8H	21.4	21.7	21.9	22.2	22.8	22.3	22.6	22.8	23.1	23.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250
			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°		17817.6	17233.0	16737.4	16692.8	16990.0	19566.6	22167.9	
50°		17027.9	16634.3	16543.6	16343.8	16131.0	18082.5	20407.2	
55°		16223.7	15716.2	16435.0	16287.4	15564.6	16765.0	18696.5	
60°		15479.0	14973.5	15839.6	16510.3	15452.8	15771.1	17364.0	
65°		14623.7	14206.9	15217.4	16672.2	15586.6	15089.7	16198.9	
70°		13267.7	13154.2	13886.5	16294.0	15351.2	14135.3	14765.7	
75°		9811.9	10166.3	11595.8	14803.6	14170.2	12551.5	12800.8	
80°		6621.5	6682.4	7685.0	10786.1	11899.8	10471.8	10278.2	
85°		5209.4	5109.4	5640.4	7549.9	8273.6	8030.8	7083.2	

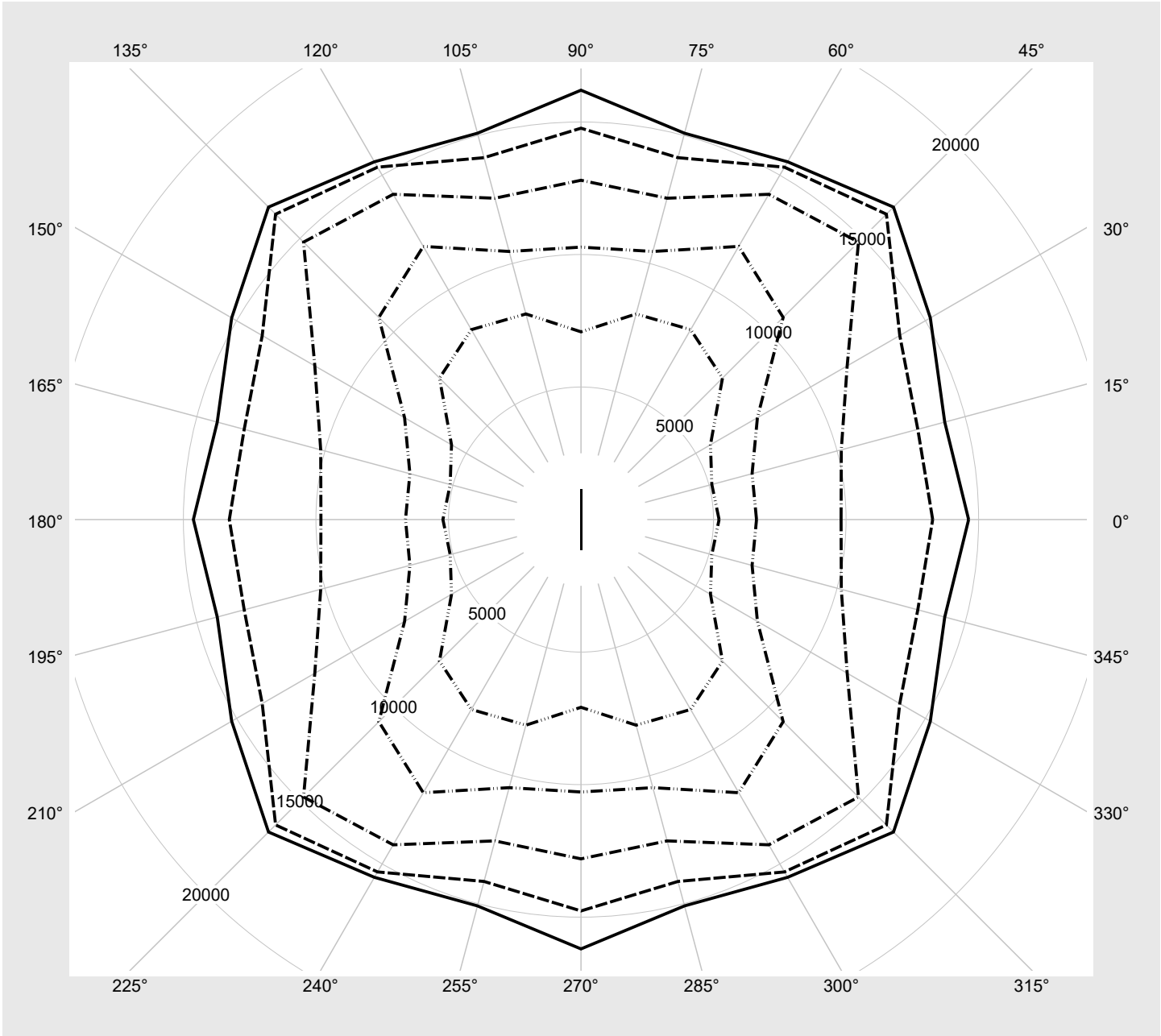
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Luminance values in cd/m²

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	27080	150.5
95	240	252	25702	141.7
90	226	250	24363	133.0
85	212	247	22987	124.4
80	199	245	21689	116.4
75	185	242	20274	107.9
70	172	240	18946	100.2
65	159	237	17601	92.6
60	146	234	16243	85.0
55	133	230	14874	77.5
50	120	227	13491	70.1
45	108	223	12203	63.2
40	95	218	10791	55.8
35	83	213	9471	49.0
30	71	207	8135	42.2
25	59	201	6787	35.3
20	47	192	5428	28.6
15	35	181	4054	21.7
10	23	166	2667	14.6
5	12	142	1386	7.9
2	4	102	444	2.8