
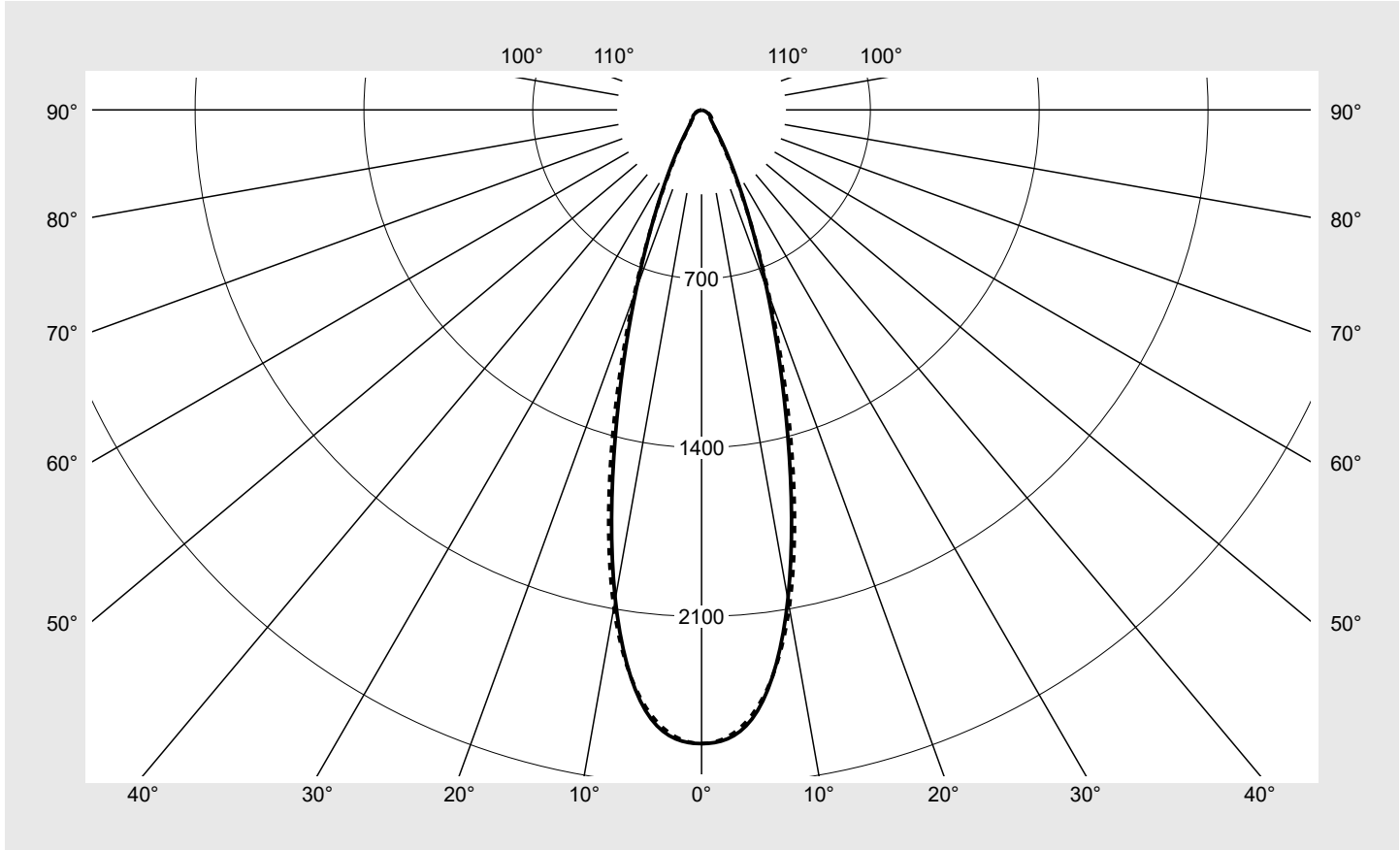


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL11DN49XFD EAN: 4058352418093	LP number 58785_16
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting AC-mode Rated values Net luminous flux = 9030 lm Power consumption = 55.4 W Luminous efficacy = 163 lm/W	serial documentation 26.08.2020



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 2627 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=89 N2=96 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 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°	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	15.7	15.7
5°	2520.2	2503.8	2487.8	2499.1	2508.6	2505.8	2505.2	119.6	135.3
10°	2060.7	2047.7	2044.6	2066.8	2086.2	2092.0	2094.5	196.9	332.2
15°	1373.4	1369.0	1375.7	1399.2	1421.9	1432.7	1437.2	198.7	530.9
20°	791.8	790.8	796.4	808.8	818.0	819.0	819.4	151.2	682.1
25°	418.1	420.5	425.4	427.2	423.4	413.4	409.3	97.4	779.6
30°	215.7	218.7	224.8	222.9	213.7	202.3	197.8	58.9	838.4
35°	112.4	114.3	119.3	116.0	107.4	103.1	102.4	35.0	873.4
40°	70.3	69.7	69.6	67.8	65.2	68.3	71.3	24.2	897.6
45°	52.4	50.5	46.9	47.4	48.4	54.1	61.4	19.6	917.2
50°	46.4	44.6	38.1	38.0	38.3	44.7	54.3	17.8	935.0
55°	42.3	42.2	36.7	33.4	32.3	38.6	47.1	17.1	952.1
60°	32.7	32.9	34.3	30.2	28.0	32.6	38.2	15.3	967.4
65°	23.6	23.8	26.4	25.7	24.0	26.1	29.3	12.6	980.0
70°	15.1	15.6	18.2	19.4	18.6	19.5	20.9	9.4	989.4
75°	8.3	8.7	10.8	13.0	12.9	13.2	13.7	6.1	995.5
80°	4.0	4.1	5.0	6.6	7.3	7.2	7.2	3.2	998.7
85°	1.6	1.6	1.9	2.5	2.6	2.7	2.5	1.2	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	15.0	16.1	15.4	16.4	16.7	14.9	16.0	15.3	16.4	16.7
	3H	15.9	16.9	16.3	17.2	17.6	16.3	17.3	16.7	17.6	18.0
	4H	16.2	17.0	16.6	17.4	17.8	16.9	17.7	17.3	18.1	18.5
	6H	16.3	17.0	16.7	17.4	17.8	17.2	18.0	17.6	18.4	18.8
	8H	16.4	17.0	16.8	17.4	17.8	17.4	18.0	17.8	18.4	18.8
	12H	16.4	16.9	16.8	17.3	17.8	17.4	18.0	17.8	18.4	18.8
4H	2H	15.5	16.4	15.9	16.8	17.1	15.4	16.3	15.8	16.7	17.1
	3H	16.6	17.4	17.1	17.8	18.2	17.0	17.7	17.4	18.1	18.5
	4H	16.9	17.6	17.4	18.0	18.4	17.6	18.3	18.0	18.7	19.1
	6H	17.1	17.6	17.5	18.0	18.5	18.0	18.6	18.5	19.0	19.5
	8H	17.1	17.6	17.6	18.0	18.5	18.1	18.6	18.6	19.1	19.6
	12H	17.1	17.5	17.6	18.0	18.5	18.2	18.6	18.7	19.1	19.6
8H	4H	17.2	17.7	17.7	18.1	18.6	17.8	18.3	18.3	18.7	19.2
	6H	17.3	17.7	17.8	18.2	18.7	18.3	18.7	18.8	19.2	19.7
	8H	17.4	17.7	17.9	18.2	18.7	18.4	18.8	18.9	19.3	19.8
	12H	17.4	17.7	17.9	18.2	18.7	18.5	18.8	19.1	19.3	19.9
12H	4H	17.2	17.6	17.7	18.1	18.6	17.8	18.2	18.3	18.6	19.1
	6H	17.4	17.7	17.9	18.2	18.7	18.3	18.6	18.8	19.1	19.6
	8H	17.4	17.7	18.0	18.2	18.8	18.5	18.7	19.0	19.2	19.8

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°	7697.1	7408.3	6882.3	6951.9	7099.1	7947.7	9011.9	
50°	50°	7497.2	7204.1	6145.4	6141.8	6181.2	7223.4	8762.7	
55°	55°	7660.7	7639.1	6640.6	6038.4	5851.8	6986.6	8515.1	
60°	60°	6784.7	6826.3	7119.0	6272.2	5807.4	6757.1	7928.5	
65°	65°	5785.2	5849.8	6483.5	6320.9	5897.5	6408.6	7184.6	
70°	70°	4585.1	4725.6	5538.0	5875.2	5656.7	5918.9	6344.4	
75°	75°	3340.5	3496.1	4328.7	5214.5	5181.3	5284.3	5488.0	
80°	80°	2362.2	2446.5	3004.7	3937.2	4356.2	4283.3	4319.7	
85°	85°	1926.9	1954.3	2280.6	2957.0	3124.9	3197.5	2930.8	

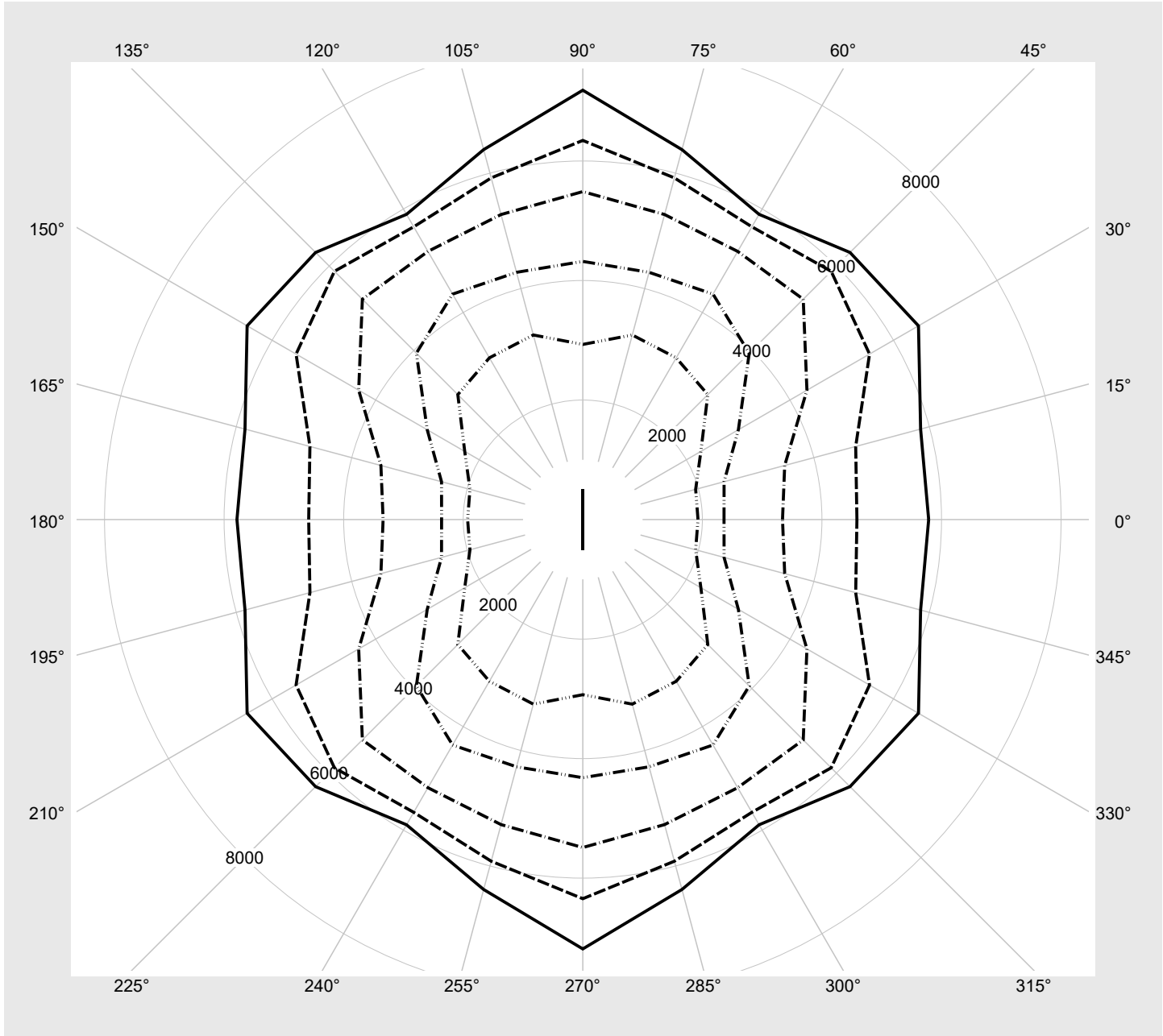
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Luminance values in cd/m²

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	9030	55.4
95	241	252	8589	52.5
90	227	250	8135	49.3
85	213	248	7680	46.3
80	200	245	7236	43.6
75	186	243	6758	40.5
70	173	240	6314	37.7
65	160	237	5869	35.0
60	147	234	5426	32.2
55	134	231	4957	29.4
50	122	227	4525	26.9
45	109	223	4080	24.4
40	97	219	3623	21.9
35	84	213	3155	19.2
30	72	208	2722	16.7
25	60	201	2264	14.2
20	48	193	1806	11.7
15	35	181	1336	9.2
10	24	168	916	7.1
5	13	145	470	4.9