

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL12DN4AXG
EAN: 4058352918456

LP number
58637_160



Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 10240 lm
Power consumption = 56.7 W
Luminous efficacy = 180.6 lm/W

serial
documentation
19.09.2023

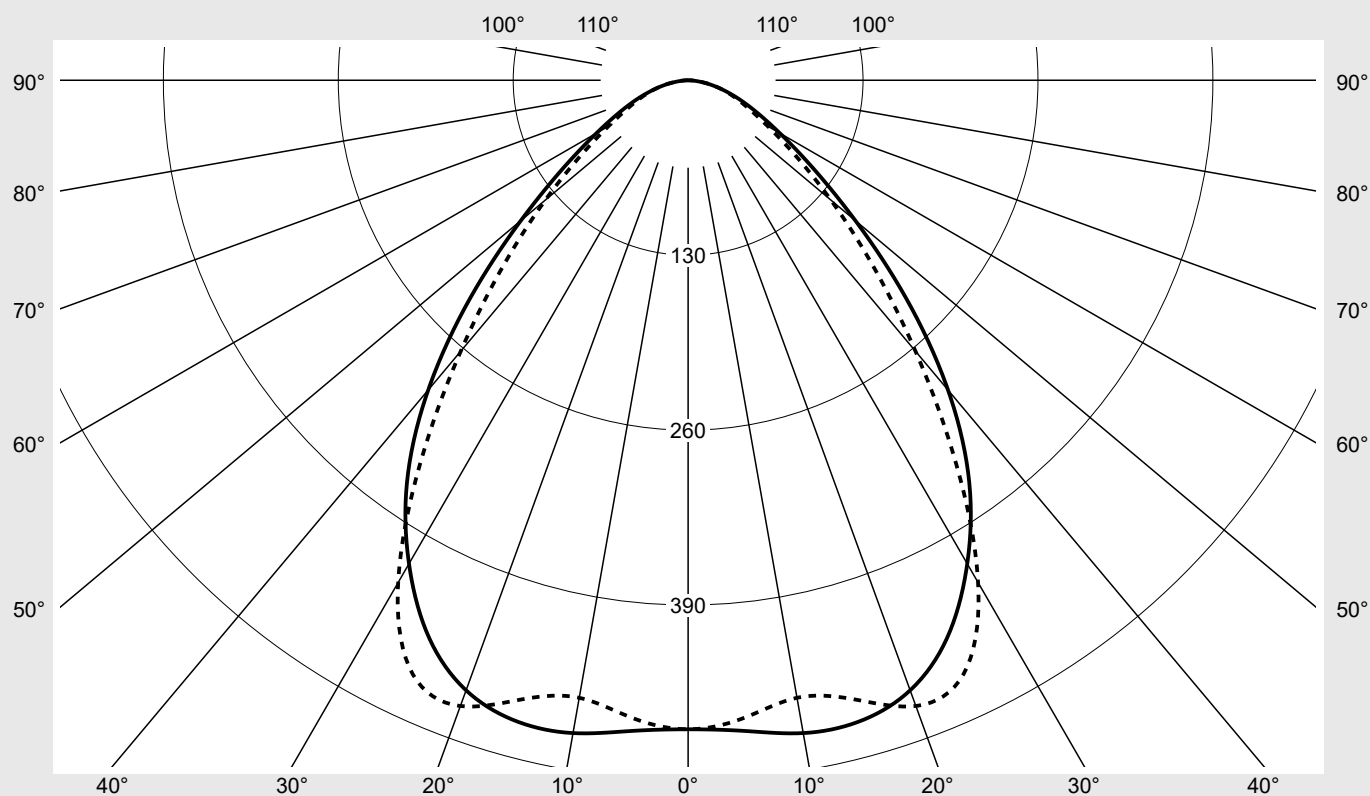
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 498 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=67 N2=92 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° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	2.9	2.9
5°	485.4	482.8	478.2	477.5	477.4	475.9	475.7	22.9	25.8
10°	492.7	488.2	477.9	471.3	467.6	465.9	466.0	45.2	71.0
15°	493.2	486.1	471.9	467.9	471.0	473.7	476.3	67.5	138.5
20°	482.5	473.5	462.5	471.9	487.1	492.8	494.9	89.9	228.4
25°	456.4	447.1	449.2	479.4	497.6	491.1	485.8	109.5	337.8
30°	414.9	406.8	427.0	475.1	479.0	447.1	431.1	121.4	459.2
35°	364.2	358.0	387.7	436.7	420.7	368.9	346.8	122.0	581.2
40°	300.5	296.3	322.5	357.9	336.0	284.8	262.9	110.4	691.6
45°	229.2	226.3	238.5	259.8	247.2	211.8	193.4	90.1	781.7
50°	162.3	159.3	161.6	173.6	174.5	155.2	138.5	68.2	849.9
55°	112.5	108.0	105.1	112.3	121.6	110.9	97.2	49.6	899.5
60°	78.7	73.1	68.3	73.1	83.7	77.4	68.5	35.5	935.0
65°	56.0	50.2	45.0	48.4	56.8	54.5	49.6	25.5	960.5
70°	39.5	34.5	29.5	32.1	37.8	38.5	36.6	18.1	978.6
75°	26.0	22.0	18.4	20.2	23.9	25.9	25.8	12.0	990.6
80°	14.9	12.2	9.9	10.8	13.0	14.8	15.3	6.8	997.4
85°	5.4	4.3	3.6	4.0	4.7	5.6	5.8	2.5	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	
Reflection factor of ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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	22.7	24.2	23.1	24.5	24.8	22.8	24.3	23.2	24.6
	3H	23.2	24.6	23.6	24.9	25.2	23.4	24.7	23.7	25.0
	4H	23.5	24.7	23.8	25.0	25.4	23.6	24.8	24.0	25.2
	6H	23.6	24.7	24.0	25.1	25.5	23.8	24.9	24.2	25.3
	8H	23.7	24.7	24.1	25.1	25.5	23.9	24.9	24.3	25.3
	12H	23.7	24.7	24.2	25.1	25.5	23.9	24.9	24.4	25.3
4H	2H	22.9	24.2	23.3	24.5	24.9	23.0	24.3	23.4	24.6
	3H	23.5	24.6	24.0	25.0	25.4	23.7	24.8	24.2	25.1
	4H	23.8	24.7	24.3	25.1	25.6	24.1	25.0	24.5	25.4
	6H	24.0	24.8	24.5	25.3	25.7	24.3	25.1	24.8	25.6
	8H	24.1	24.8	24.6	25.3	25.8	24.4	25.2	24.9	25.6
	12H	24.2	24.8	24.7	25.3	25.8	24.5	25.1	25.0	25.6
8H	4H	23.9	24.6	24.4	25.0	25.5	24.1	24.8	24.6	25.3
	6H	24.1	24.7	24.6	25.2	25.7	24.5	25.0	25.0	25.5
	8H	24.2	24.8	24.7	25.2	25.8	24.6	25.1	25.1	25.6
	12H	24.3	24.7	24.8	25.2	25.8	24.7	25.1	25.2	25.6
12H	4H	23.9	24.5	24.4	25.0	25.5	24.1	24.7	24.6	25.2
	6H	24.2	24.7	24.7	25.1	25.7	24.5	25.0	25.0	25.5
	8H	24.3	24.7	24.8	25.2	25.7	24.6	25.0	25.1	25.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°
			Luminance in cd/m²				
45° 50° 55° 60°	γ		38143.6	37669.5	39700.7	43242.7	41141.7
			29719.0	29176.8	29591.0	31794.9	31958.6
			23081.9	22159.3	21569.2	23053.4	24961.6
			18528.5	17217.6	16083.6	17215.7	19692.6
65° 70° 75° 80° 85°	γ		15605.7	13969.5	12540.8	13489.7	15821.3
			13588.5	11866.5	10157.8	11045.7	13002.5
			11807.9	10015.7	8382.6	9183.9	10854.3
			10073.7	8254.4	6696.8	7332.6	8780.4
	γ		7225.0	5844.8	4842.8	5381.6	6370.2

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Luminance values in cd/m²

γ 65°

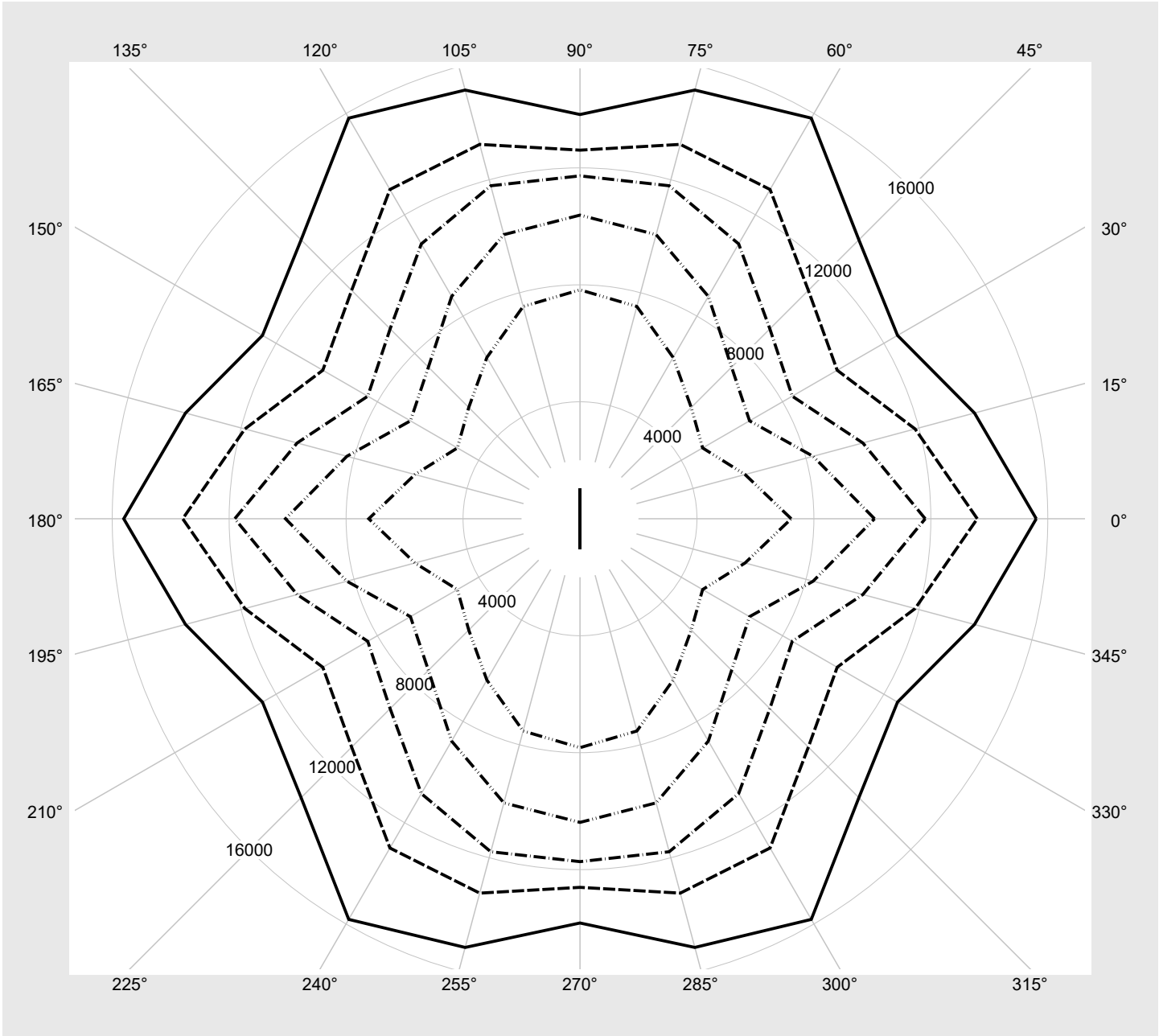
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table		environmental temperature: 25°C

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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	10240	56.7
95	240	252	9723	53.6
90	226	250	9198	50.4
85	213	248	8708	47.5
80	199	245	8176	44.4
75	186	243	7674	41.5
70	173	240	7172	38.5
65	160	237	6664	35.7
60	147	234	6151	32.8
55	134	231	5629	29.9
50	121	227	5106	27.2
45	109	223	4619	24.6
40	96	218	4083	21.9
35	84	213	3588	19.3
30	72	208	3088	16.9
25	60	201	2581	14.4
20	47	192	2030	11.6
15	35	181	1517	9.1
10	24	168	1042	6.8
5	12	142	517	4.4
2	4	102	167	2.8