

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL10DE445G
EAN: 4058352929414

LP number
58684_109



Version cover frosted
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 4980 lm
 Power consumption = 29.6 W
 Luminous efficacy = 168.2 lm/W

serial
documentation
21.09.2023

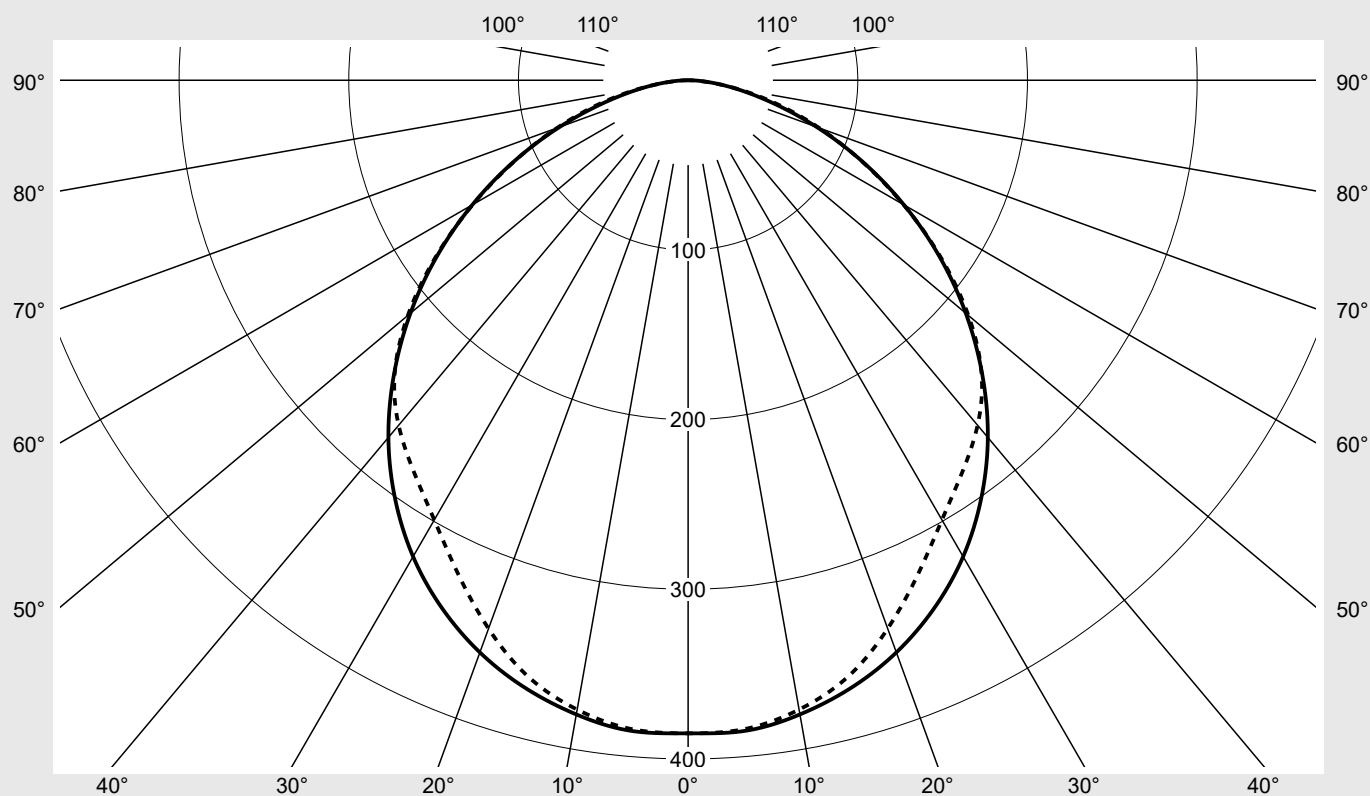
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 385 cd/klm



Classifications

DIN 5040 A 4 0
 CIE N1=50 N2=81 N3=96
 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°	384.9	384.9	384.9	384.9	384.9	384.9	384.9	2.3	2.3
5°	384.9	383.5	380.9	382.4	383.7	383.9	383.8	18.3	20.6
10°	379.5	378.4	375.4	376.4	377.1	376.9	376.6	35.9	56.5
15°	370.8	369.9	366.1	365.8	365.5	363.9	363.9	52.0	108.5
20°	358.8	358.1	353.2	350.6	348.2	345.1	343.9	65.8	174.3
25°	343.3	342.7	336.1	331.0	326.3	322.1	320.9	76.8	251.1
30°	324.2	323.3	314.8	307.4	302.4	299.4	299.2	84.9	336.1
35°	301.1	299.6	289.7	281.8	279.3	280.0	281.8	90.2	426.3
40°	274.8	272.4	262.0	255.7	258.0	262.5	265.4	92.8	519.1
45°	245.2	241.9	231.9	229.2	235.1	240.6	244.6	92.0	611.1
50°	213.6	209.5	202.3	202.7	208.5	212.2	215.6	87.5	698.5
55°	180.7	176.6	172.5	174.4	178.1	179.3	181.7	79.5	778.0
60°	146.9	143.9	142.8	145.1	146.4	145.5	146.6	68.9	846.9
65°	113.3	112.0	113.5	115.8	115.6	113.0	112.9	56.5	903.4
70°	80.7	81.0	84.0	87.4	86.4	83.3	82.2	43.2	946.6
75°	51.4	52.0	55.5	60.1	59.2	56.0	54.4	29.6	976.3
80°	28.6	28.8	31.3	34.2	34.2	31.5	29.9	17.0	993.3
85°	11.6	11.6	12.6	13.6	13.2	11.7	10.4	6.7	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	24.7	26.3	25.0	26.6	26.9	24.7	26.4	25.1	26.7
	3H	26.0	27.5	26.4	27.8	28.2	26.1	27.6	26.5	27.9
	4H	26.5	27.9	26.9	28.2	28.6	26.6	28.0	27.0	28.3
	6H	26.8	28.1	27.2	28.4	28.8	26.9	28.2	27.3	28.6
	8H	26.9	28.1	27.3	28.5	28.9	27.1	28.3	27.5	28.6
	12H	27.0	28.1	27.4	28.5	28.9	27.1	28.2	27.5	28.6
4H	2H	25.4	26.8	25.8	27.1	27.5	25.4	26.8	25.8	27.2
	3H	26.9	28.1	27.3	28.5	28.9	27.0	28.2	27.4	28.5
	4H	27.5	28.5	27.9	28.9	29.4	27.6	28.7	28.0	29.1
	6H	27.9	28.8	28.3	29.2	29.7	28.0	29.0	28.5	29.4
	8H	28.0	28.8	28.5	29.3	29.8	28.2	29.0	28.7	29.5
	12H	28.1	28.8	28.6	29.3	29.8	28.3	29.0	28.8	29.5
8H	4H	27.8	28.6	28.2	29.1	29.5	27.9	28.8	28.4	29.2
	6H	28.3	29.0	28.8	29.5	30.0	28.5	29.2	29.0	29.7
	8H	28.5	29.1	29.0	29.6	30.1	28.7	29.3	29.2	29.8
	12H	28.6	29.1	29.1	29.6	30.2	28.8	29.3	29.3	29.8
12H	4H	27.8	28.6	28.3	29.0	29.5	28.0	28.7	28.4	29.2
	6H	28.4	29.0	28.9	29.5	30.0	28.6	29.2	29.1	29.6
	8H	28.6	29.1	29.1	29.6	30.1	28.8	29.3	29.3	29.8

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 750 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	39695.1	39158.5	37543.4	37101.4	38062.1	38958.3
		38051.3	37318.6	36028.2	36093.0	37130.5	37792.0
		36059.0	35245.0	34438.5	34801.7	35543.0	35782.7
		33629.1	32953.6	32703.6	33228.8	33512.3	33303.7
65° 70° 75° 80° 85°	γ	30692.8	30347.7	30732.4	31363.6	31304.5	30614.0
		27028.1	27113.4	28111.6	29244.9	28912.6	27866.9
		22736.5	22987.8	24554.9	26603.3	26183.1	24773.9
		18828.4	19008.4	20648.0	22565.8	22554.0	20772.6
		15255.5	15222.6	16485.0	17904.9	17299.4	15432.8

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Luminance values in cd/m²

γ 65°

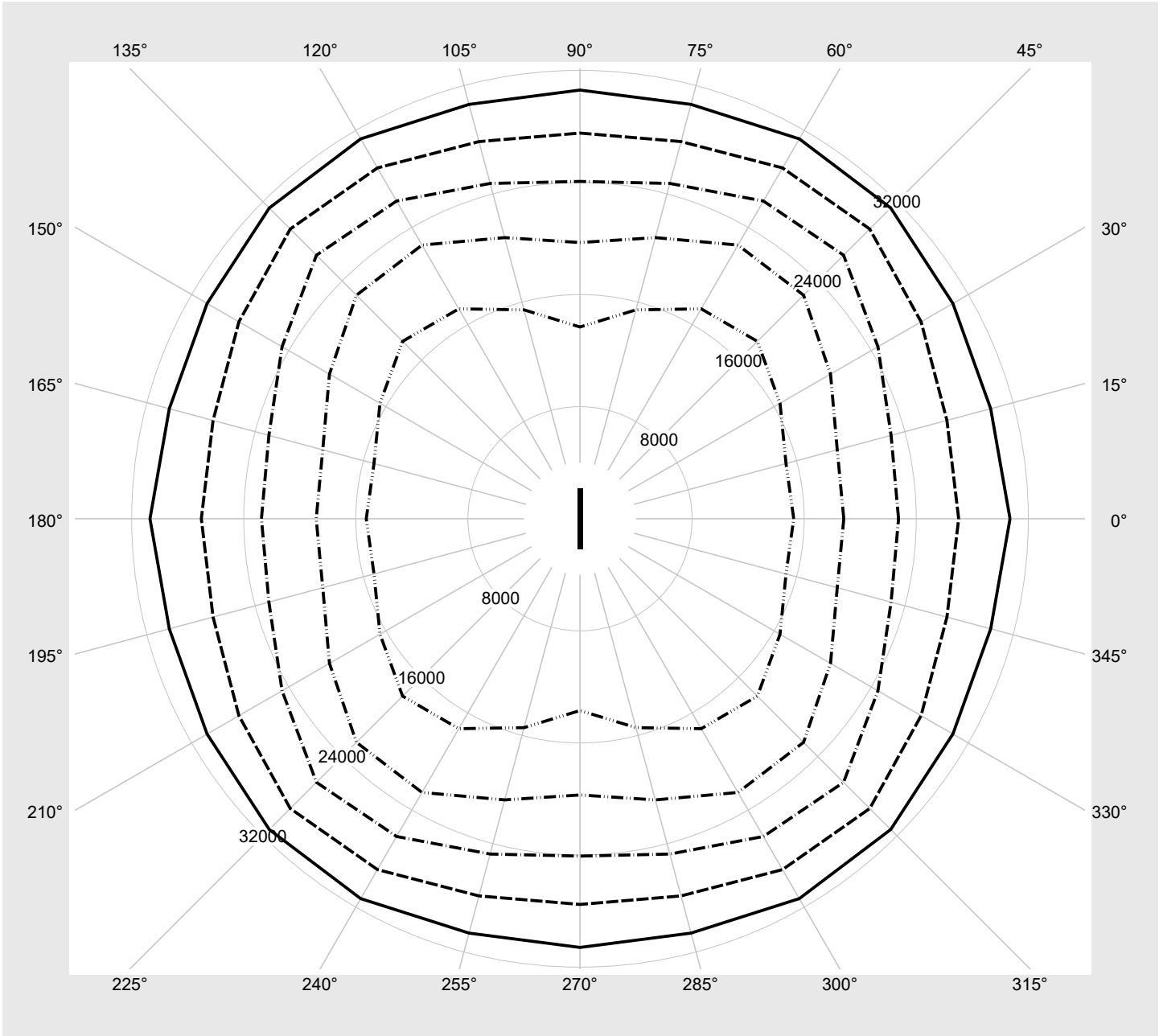
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	4980	29.6
95	240	252	4729	28.0
90	226	250	4474	26.3
85	213	248	4235	24.8
80	199	245	3976	23.2
75	186	243	3733	21.7
70	173	240	3488	20.1
65	160	237	3241	18.6
60	147	234	2991	17.1
55	134	231	2738	15.6
50	121	227	2483	14.3
45	109	223	2246	13.1
40	96	218	1986	11.7
35	84	213	1746	10.4
30	72	208	1502	9.1
25	60	201	1255	7.7
20	47	192	987	6.1
15	35	181	738	4.8
10	24	168	507	3.4
8	18	157	379	2.7