

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE10DV4E5G
EAN: 4058352924884

LP number
58684_108



Version cover frosted
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 14930 lm
 Power consumption = 84.1 W
 Luminous efficacy = 177.5 lm/W

serial
documentation
14.09.2023

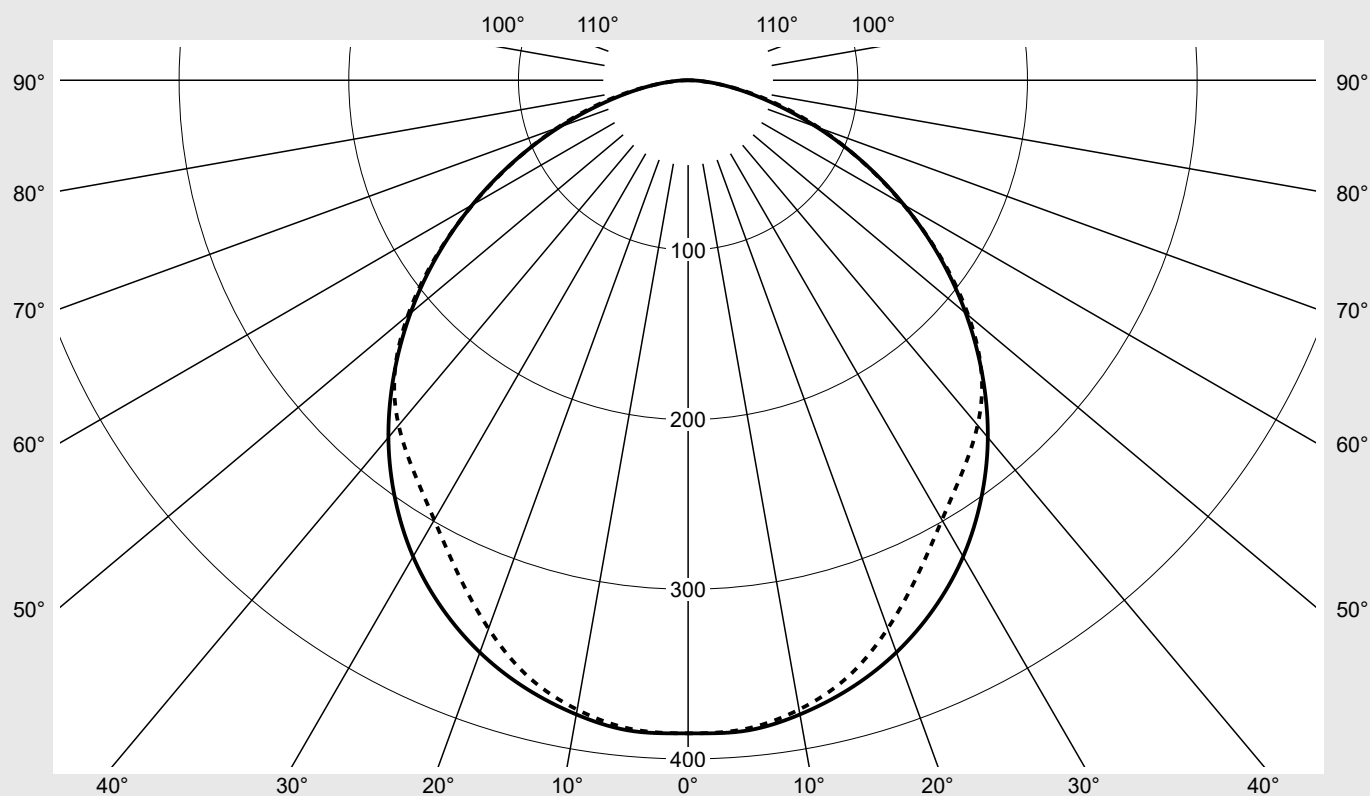
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Luminous intensity in cd/klm

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	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	24.7	26.3	25.0	26.6	26.9	24.7	26.4	25.1	26.7	27.0
	3H	26.0	27.5	26.4	27.8	28.2	26.1	27.6	26.4	27.9	28.3
	4H	26.5	27.9	26.9	28.2	28.6	26.6	28.0	27.0	28.3	28.7
	6H	26.8	28.1	27.2	28.4	28.8	26.9	28.2	27.3	28.6	29.0
	8H	26.9	28.1	27.3	28.5	28.9	27.1	28.3	27.5	28.6	29.0
	12H	27.0	28.1	27.4	28.5	28.9	27.1	28.2	27.5	28.6	29.0
4H	2H	25.4	26.8	25.8	27.1	27.5	25.4	26.8	25.8	27.2	27.5
	3H	26.9	28.1	27.3	28.5	28.9	27.0	28.2	27.4	28.5	29.0
	4H	27.5	28.5	27.9	28.9	29.4	27.6	28.7	28.0	29.1	29.5
	6H	27.9	28.8	28.3	29.2	29.7	28.0	29.0	28.5	29.4	29.9
	8H	28.0	28.8	28.5	29.3	29.8	28.2	29.0	28.7	29.5	30.0
	12H	28.1	28.8	28.6	29.3	29.8	28.3	29.0	28.8	29.5	30.0
8H	4H	27.8	28.6	28.2	29.1	29.5	27.9	28.8	28.4	29.2	29.7
	6H	28.3	29.0	28.8	29.5	30.0	28.5	29.2	29.0	29.7	30.2
	8H	28.5	29.1	29.0	29.6	30.1	28.7	29.3	29.2	29.8	30.3
	12H	28.6	29.1	29.1	29.6	30.2	28.8	29.3	29.3	29.8	30.4
12H	4H	27.8	28.6	28.3	29.0	29.5	28.0	28.7	28.4	29.2	29.6
	6H	28.4	29.0	28.9	29.5	30.0	28.6	29.2	29.1	29.6	30.2
	8H	28.6	29.1	29.1	29.6	30.1	28.8	29.3	29.3	29.8	30.3

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 2250 B = 58	
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°
γ	Luminance in cd/m²						
45°	39668.5	39132.3	37518.2	37076.6	38036.6	38932.2	39574.2
50°	38025.8	37293.6	36004.1	36068.9	37105.6	37766.7	38375.7
55°	36034.8	35221.4	34415.4	34778.4	35519.2	35758.8	36238.3
60°	33606.6	32931.6	32681.7	33206.6	33489.9	33281.4	33539.8
65°	30672.3	30327.4	30711.8	31342.6	31283.6	30593.5	30573.8
70°	27010.0	27095.3	28092.7	29225.4	28893.2	27848.2	27507.0
75°	22721.3	22972.4	24538.5	26585.5	26165.6	24757.3	24057.1
80°	18815.8	18995.6	20634.2	22550.7	22538.9	20758.7	19698.6
85°	15245.3	15212.5	16473.9	17892.9	17287.8	15422.5	13677.9

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Luminance values in cd/m²

γ 65°

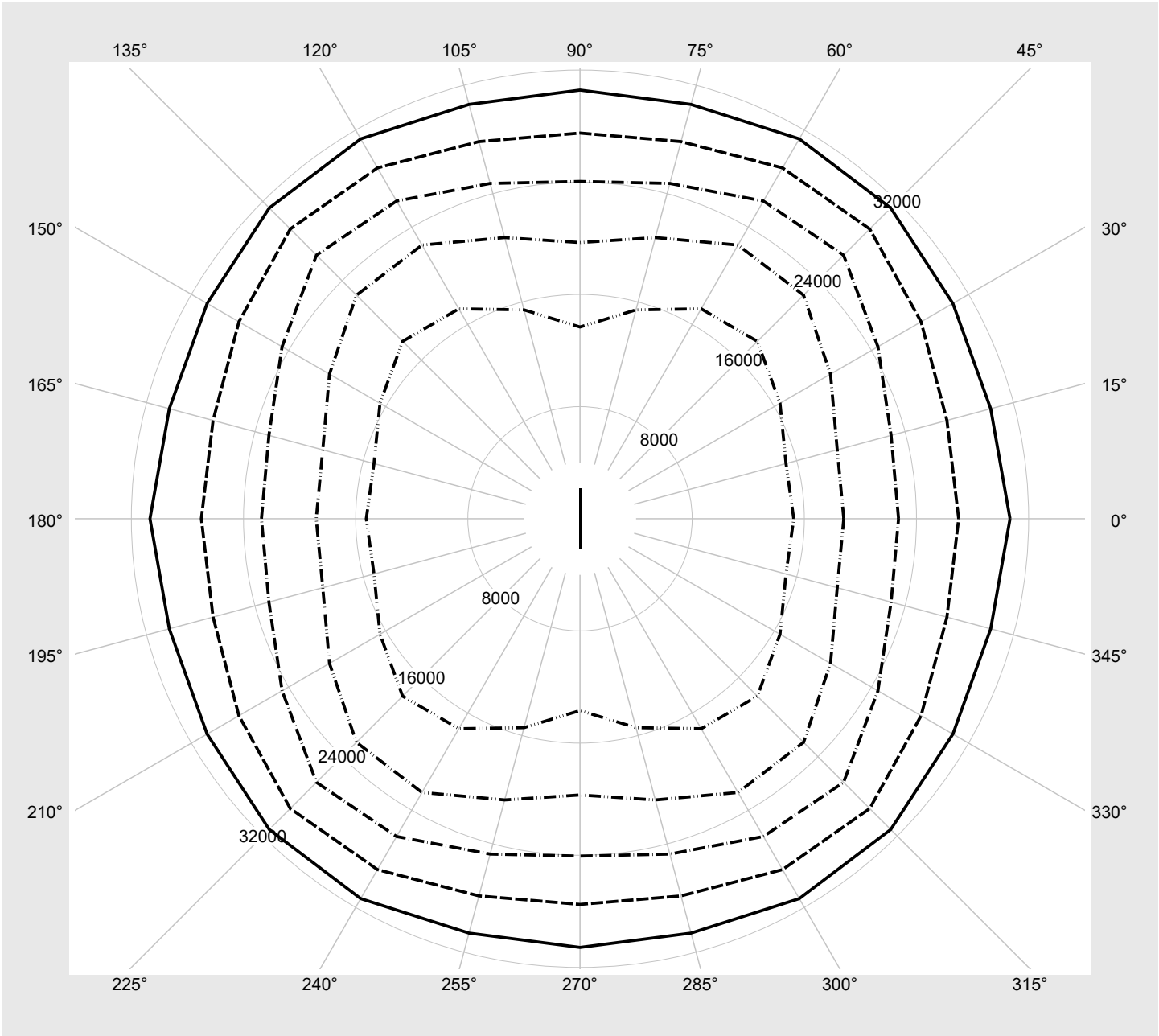
γ 70°

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	14930	84.1
95	240	252	14177	79.4
90	226	250	13411	74.7
85	213	248	12696	70.4
80	199	245	11920	65.7
75	186	243	11190	61.4
70	173	240	10457	57.0
65	160	237	9716	52.7
60	147	234	8968	48.5
55	134	231	8208	44.2
50	121	227	7444	40.0
45	109	223	6734	36.2
40	96	218	5954	32.1
35	84	213	5232	28.2
30	72	208	4503	24.5
25	59	201	3702	20.4
20	47	192	2960	16.4
15	35	181	2212	12.3
10	24	168	1519	8.5
5	12	142	754	4.2
2	4	102	243	1.3