

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE18DV4E5G
EAN: 4058352925003

LP number
58691_153



Version cover frosted, medium distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 14920 lm
 Power consumption = 84.1 W
 Luminous efficacy = 177.4 lm/W

serial
documentation
21.09.2023

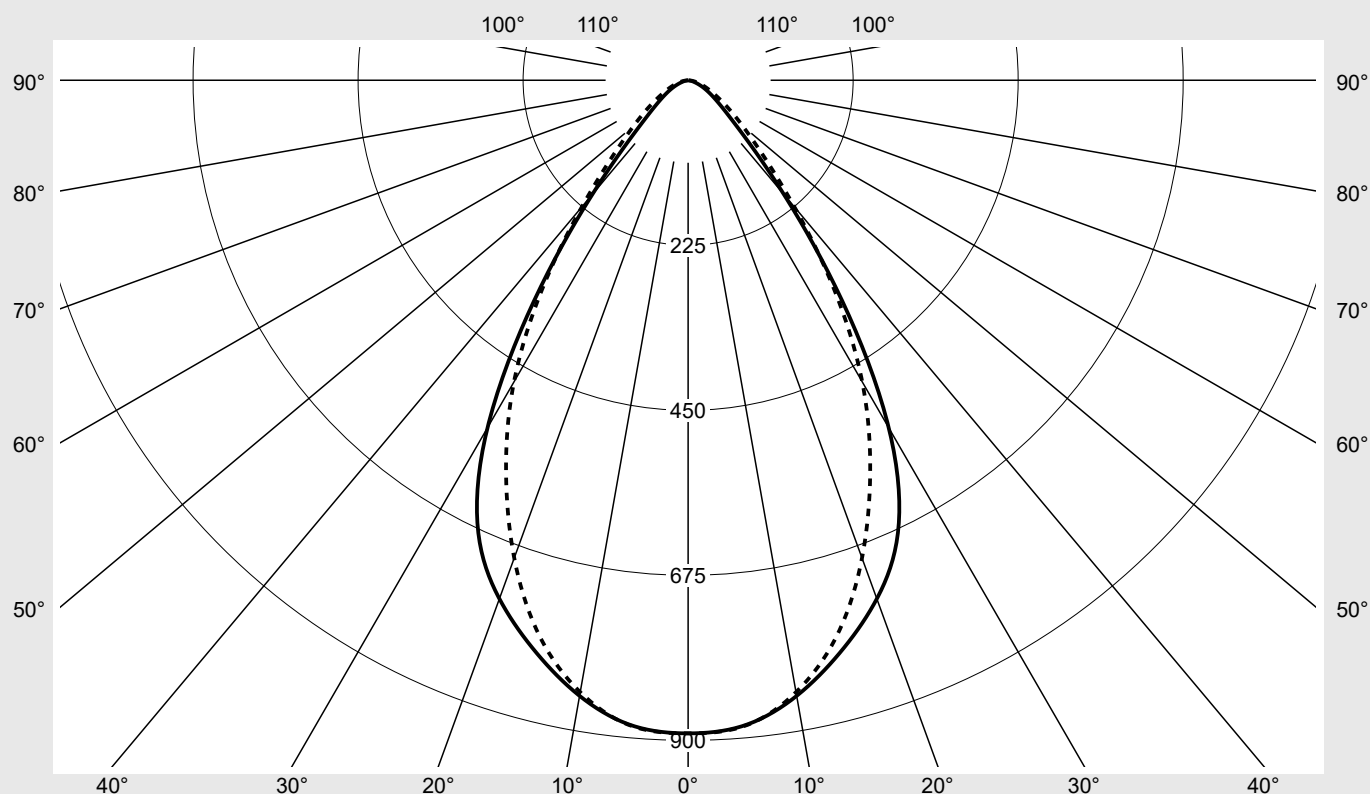
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 890 cd/klm



Classifications

DIN 5040 A 6 0
 CIE N1=83 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	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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	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	18.9	20.2	19.3	20.6	20.9	19.9	21.2	20.2	21.5	21.8
	3H	19.1	20.3	19.5	20.6	21.0	20.3	21.5	20.7	21.8	22.2
	4H	19.1	20.2	19.5	20.6	20.9	20.5	21.6	20.9	22.0	22.3
	6H	19.1	20.1	19.6	20.5	20.9	20.7	21.6	21.1	22.0	22.4
	8H	19.2	20.1	19.7	20.4	20.9	20.8	21.6	21.2	22.0	22.4
	12H	19.2	20.0	19.7	20.4	20.8	20.8	21.6	21.2	22.0	22.4
4H	2H	19.1	20.2	19.5	20.5	20.9	19.9	21.0	20.3	21.4	21.7
	3H	19.4	20.3	19.8	20.7	21.1	20.6	21.5	21.0	21.9	22.3
	4H	19.4	20.2	19.9	20.6	21.1	20.9	21.7	21.3	22.1	22.5
	6H	19.5	20.1	19.9	20.6	21.0	21.1	21.8	21.6	22.2	22.7
	8H	19.5	20.1	19.9	20.5	21.0	21.2	21.8	21.7	22.2	22.7
	12H	19.5	20.0	20.0	20.5	21.0	21.3	21.7	21.7	22.2	22.7
8H	4H	19.5	20.1	20.0	20.6	21.1	20.9	21.5	21.4	22.0	22.5
	6H	19.6	20.1	20.1	20.6	21.1	21.2	21.7	21.7	22.2	22.7
	8H	19.6	20.0	20.1	20.5	21.0	21.3	21.7	21.8	22.2	22.8
	12H	19.6	20.0	20.1	20.5	21.0	21.4	21.7	21.9	22.2	22.8
12H	4H	19.6	20.1	20.1	20.5	21.0	20.9	21.4	21.4	21.9	22.4
	6H	19.6	20.0	20.1	20.5	21.0	21.2	21.6	21.7	22.1	22.6
	8H	19.6	20.0	20.2	20.5	21.0	21.3	21.7	21.8	22.2	22.7

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°	17595.4	17467.1	16597.9	16759.4	20037.1	22550.1	23305.5
50°	11871.8	11756.9	11163.2	11850.4	14928.9	16861.3	17297.2
55°	9086.7	9031.1	9036.1	9760.1	12130.3	13351.1	13512.8
60°	7301.1	7265.0	7808.5	8696.6	10327.2	10768.5	10758.4
65°	5848.2	5872.1	6710.7	7665.1	9084.0	8969.6	8890.9
70°	4468.6	4586.6	5425.3	6647.1	8186.1	7803.0	7615.5
75°	3312.1	3406.7	4024.7	5591.0	7119.9	6861.9	6538.6
80°	2634.2	2677.0	3039.2	4223.0	5882.8	5834.1	5362.0
85°	2443.9	2420.2	2617.0	3460.5	4474.5	4621.4	3923.5

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Luminance values in cd/m²

γ 65°

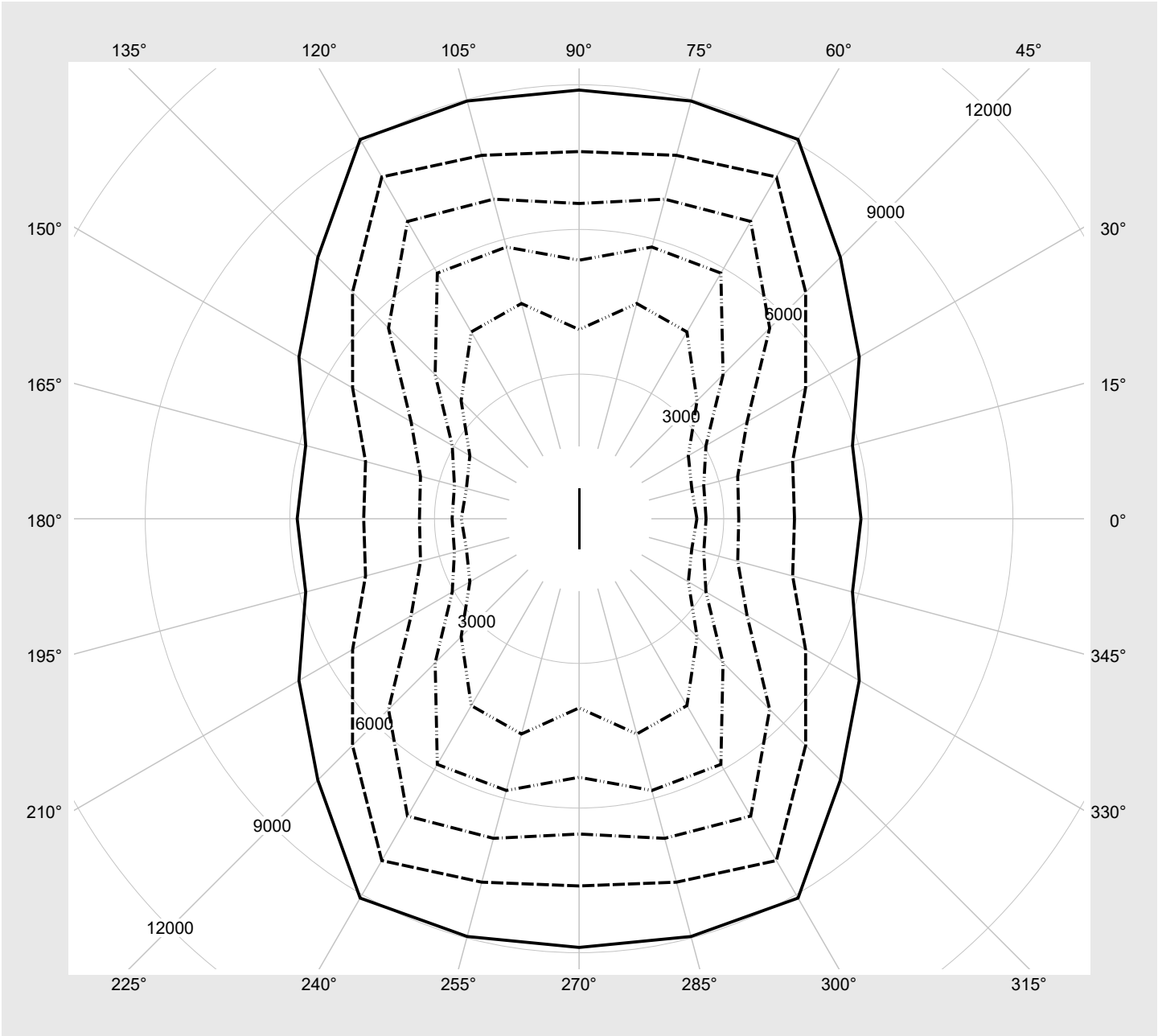
γ 70°

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	14920	84.1
95	240	252	14167	79.4
90	226	250	13402	74.7
85	213	248	12687	70.4
80	199	245	11912	65.7
75	186	243	11182	61.4
70	173	240	10450	57.0
65	160	237	9710	52.7
60	147	234	8962	48.5
55	134	231	8202	44.2
50	121	227	7439	40.0
45	109	223	6730	36.2
40	96	218	5950	32.1
35	84	213	5228	28.2
30	72	208	4500	24.5
25	59	201	3699	20.4
20	47	192	2958	16.4
15	35	181	2210	12.3
10	24	168	1518	8.5
5	12	142	753	4.2
2	4	102	243	1.3