

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL1EDN495G
EAN: 4058352927007

LP number
59263_180



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 9900 lm
 Power consumption = 56.7 W
 Luminous efficacy = 174.6 lm/W

serial
documentation
14.09.2023

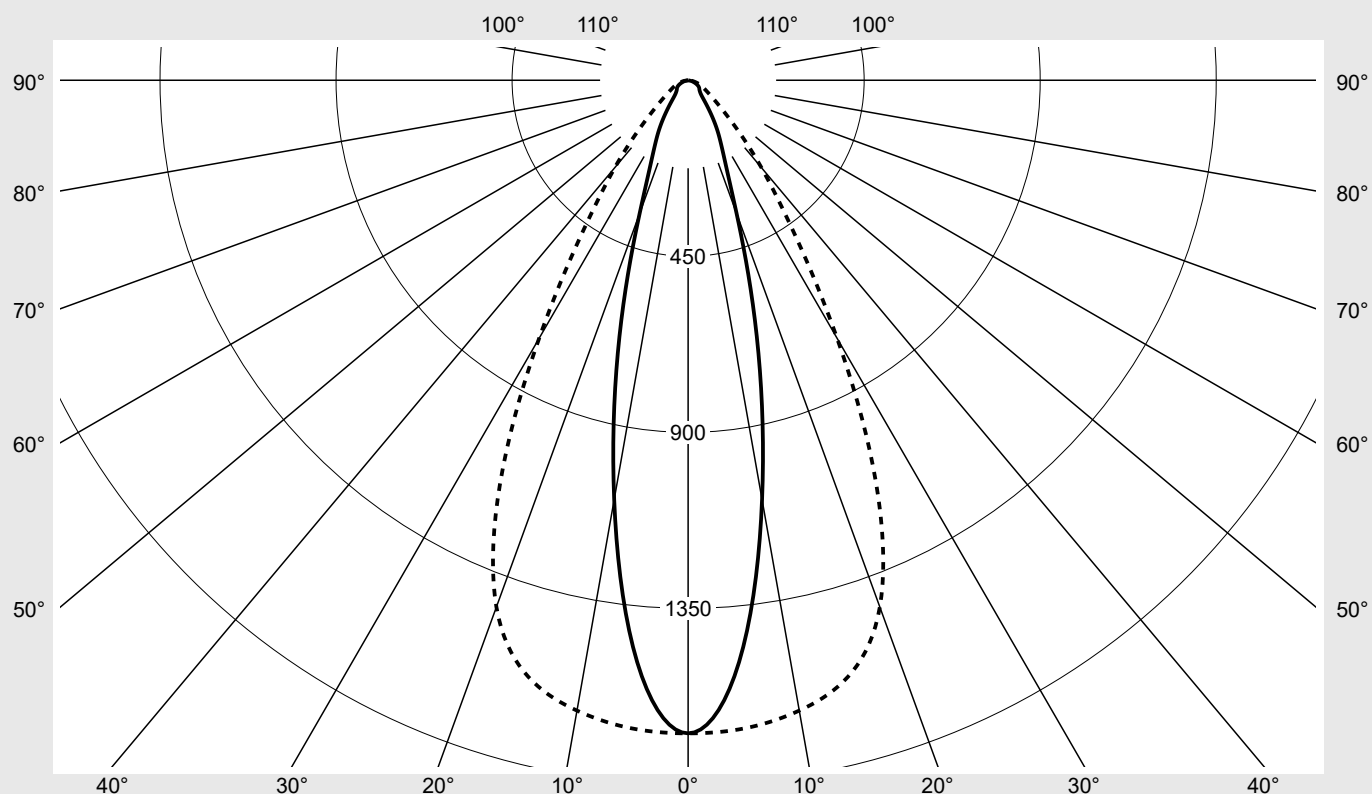
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 1670 cd/klm



Classifications

DIN 5040 A 7 0
 CIE N1=85 N2=95 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°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	15.1	16.3	15.5	16.7	17.0	20.1	21.4	20.5	21.7
	3H	16.3	17.4	16.7	17.7	18.1	20.7	21.8	21.1	22.1
	4H	16.6	17.7	17.0	18.0	18.4	21.0	21.9	21.4	22.3
	6H	16.9	17.8	17.3	18.2	18.6	21.2	22.1	21.6	22.4
	8H	17.1	17.9	17.5	18.3	18.7	21.3	22.1	21.8	22.5
	12H	17.1	17.9	17.5	18.3	18.7	21.4	22.0	21.8	22.4
4H	2H	15.9	16.9	16.3	17.3	17.6	20.1	21.1	20.5	21.5
	3H	17.4	18.2	17.8	18.6	19.0	20.8	21.7	21.2	22.1
	4H	17.9	18.6	18.3	19.0	19.5	21.2	21.9	21.6	22.4
	6H	18.2	18.8	18.6	19.3	19.7	21.5	22.1	22.0	22.6
	8H	18.3	18.9	18.8	19.3	19.8	21.6	22.2	22.1	22.6
	12H	18.4	18.9	18.9	19.3	19.8	21.7	22.1	22.2	22.6
8H	4H	18.4	18.9	18.8	19.3	19.8	21.3	21.9	21.8	22.3
	6H	18.8	19.2	19.3	19.7	20.2	21.7	22.2	22.2	22.6
	8H	18.9	19.3	19.4	19.8	20.4	21.8	22.2	22.3	22.7
	12H	19.1	19.4	19.6	19.9	20.5	21.9	22.3	22.4	22.8
12H	4H	18.4	18.9	18.9	19.3	19.8	21.3	21.8	21.8	22.2
	6H	18.9	19.3	19.4	19.8	20.3	21.7	22.1	22.2	22.6
	8H	19.1	19.4	19.6	19.9	20.5	21.9	22.2	22.4	22.7

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 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°
		Luminance in cd/m²					
γ							
45°	6998.6	7382.6	9358.3	13884.5	16017.8	23398.9	28474.6
50°	6681.0	6900.7	7576.4	10805.1	12093.1	15814.1	19320.4
55°	6856.8	6940.0	7285.0	8625.1	10022.2	11829.3	14625.3
60°	6863.1	7088.6	7468.2	7789.6	8783.2	9554.3	12174.0
65°	6442.8	6832.1	7840.0	7568.6	8112.7	8287.5	11124.1
70°	5648.4	6109.5	7479.0	7759.4	7784.1	7541.5	10256.7
75°	4773.4	5279.9	7119.9	7884.5	7656.7	6920.7	9096.2
80°	4032.8	4361.1	5901.7	6983.6	7188.7	6086.5	7614.7
85°	4080.1	4351.7	5537.2	6563.4	6287.9	5084.1	5448.4

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Luminance values in cd/m²

γ 65°

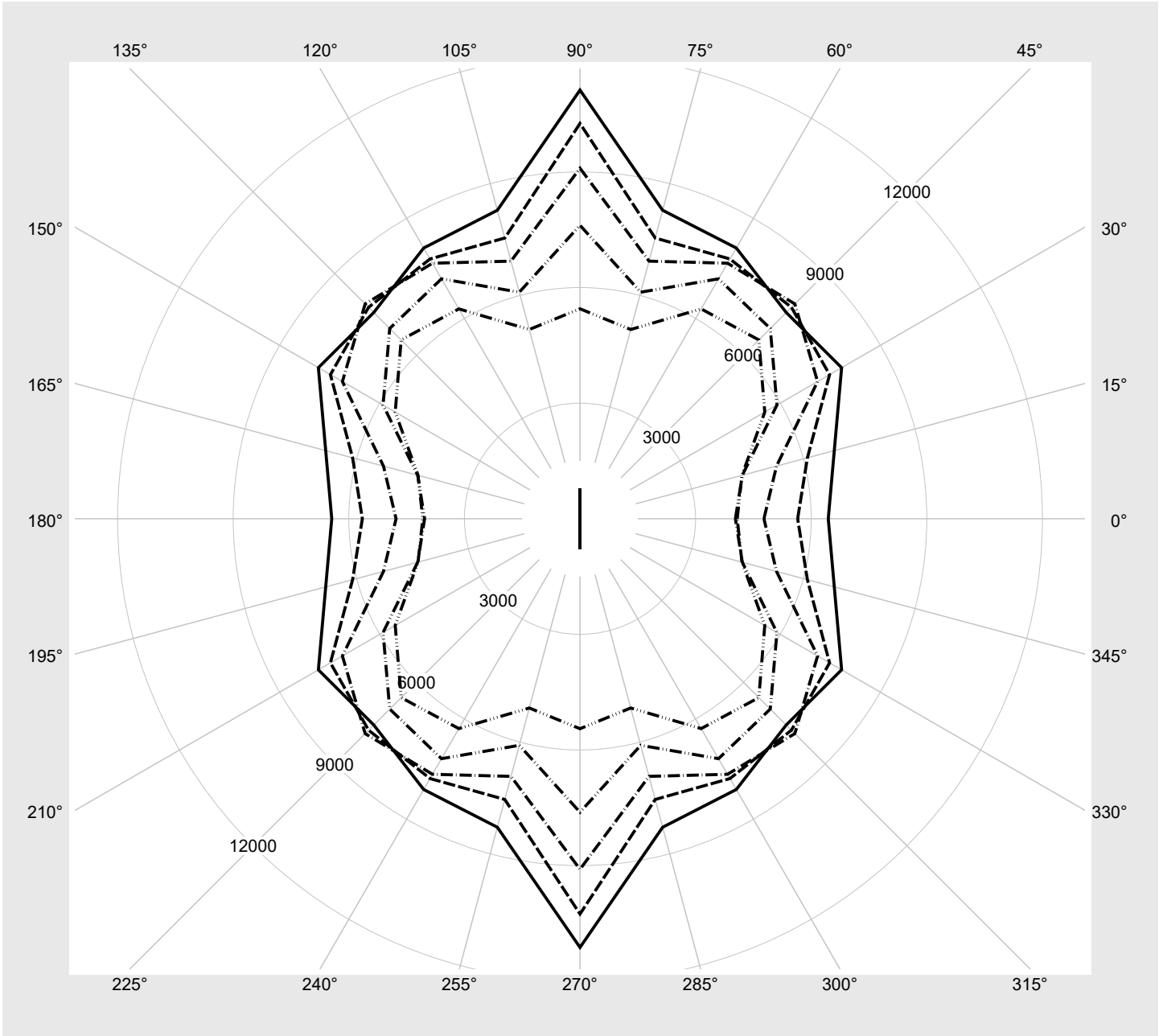
γ 70°

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	9900	56.7
95	240	252	9400	53.6
90	226	250	8892	50.4
85	213	248	8419	47.5
80	199	245	7904	44.4
75	186	243	7419	41.5
70	173	240	6933	38.5
65	160	237	6442	35.7
60	147	234	5946	32.8
55	134	231	5443	29.9
50	121	227	4937	27.2
45	109	223	4465	24.6
40	96	218	3948	21.9
35	84	213	3469	19.3
30	72	208	2986	16.9
25	60	201	2495	14.4
20	47	192	1963	11.6
15	35	181	1467	9.1
10	24	168	1008	6.8
5	12	142	500	4.4
2	4	102	161	2.8