

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL19DN495G
EAN: 4058352926987

LP number
58532_393



Version cover frosted, double asymmetric distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 9810 lm
 Power consumption = 56.7 W
 Luminous efficacy = 173 lm/W

serial
documentation
14.09.2023

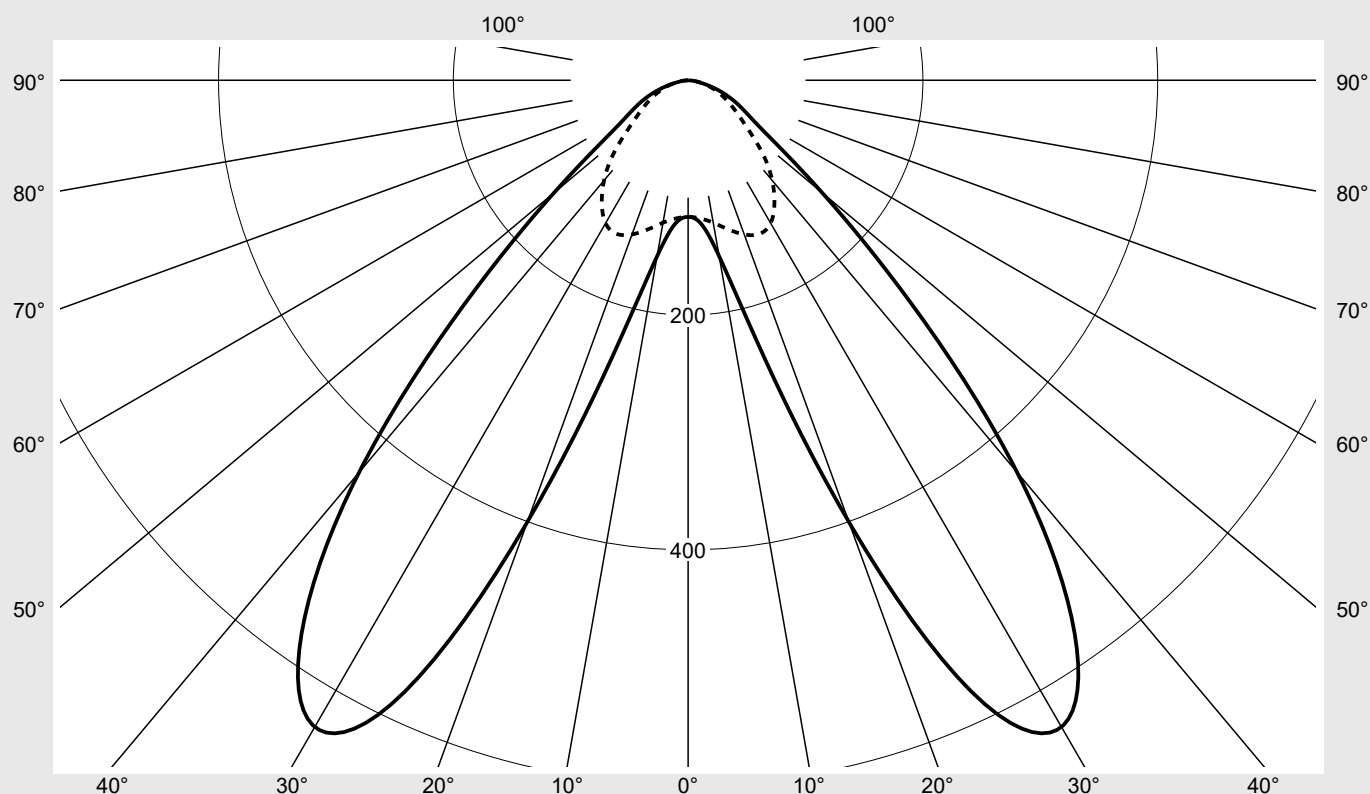
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 703 cd/klm



Classifications

DIN 5040 A 4 0
 CIE N1=55 N2=89 N3=98
 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°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.1	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	25.1	26.7	25.4	27.0	27.3	23.9	25.5	24.3	25.8
	3H	25.2	26.7	25.6	27.0	27.4	24.2	25.6	24.6	26.0
	4H	25.3	26.6	25.7	27.0	27.4	24.3	25.6	24.7	26.0
	6H	25.3	26.5	25.7	26.9	27.3	24.3	25.6	24.7	26.0
	8H	25.3	26.5	25.8	26.9	27.3	24.3	25.5	24.7	25.9
	12H	25.3	26.4	25.8	26.8	27.2	24.3	25.5	24.7	25.9
4H	2H	25.5	26.8	25.9	27.2	27.6	24.6	26.0	25.0	26.3
	3H	25.7	26.9	26.2	27.3	27.7	25.3	26.5	25.8	26.9
	4H	25.8	26.9	26.3	27.3	27.7	25.6	26.6	26.0	27.0
	6H	25.9	26.8	26.3	27.2	27.6	25.7	26.6	26.2	27.0
	8H	25.9	26.7	26.4	27.1	27.6	25.7	26.6	26.2	27.0
	12H	25.9	26.6	26.4	27.1	27.5	25.7	26.5	26.2	26.9
8H	4H	26.0	26.8	26.5	27.3	27.7	25.8	26.6	26.3	27.0
	6H	26.1	26.7	26.6	27.2	27.7	26.1	26.8	26.6	27.2
	8H	26.1	26.7	26.6	27.2	27.7	26.2	26.8	26.7	27.3
	12H	26.1	26.6	26.6	27.1	27.6	26.2	26.7	26.7	27.2
12H	4H	26.0	26.8	26.5	27.2	27.7	25.8	26.5	26.3	27.0
	6H	26.1	26.7	26.6	27.2	27.7	26.1	26.7	26.6	27.2
	8H	26.1	26.6	26.6	27.1	27.7	26.2	26.7	26.8	27.2

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	42842.6	47801.0	73196.6	96502.8	53256.1	19536.3
		26149.2	29530.1	48508.5	73636.2	45490.2	17088.8
		16776.7	18773.0	29727.9	48346.5	39257.6	15580.6
		13371.8	14376.3	19847.5	31226.7	34430.8	14669.2
65° 70° 75° 80° 85°	γ	11978.2	12552.9	16222.6	22655.1	29541.4	13706.5
		10464.2	10909.6	14023.4	18545.1	25166.1	12668.1
		8280.3	8766.0	11338.2	15212.1	21618.6	11466.3
		5705.8	6072.1	8242.9	11833.1	17527.3	9881.8
		4459.6	4652.4	6026.3	8735.5	12351.5	7578.8

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Luminance values in cd/m²

γ 65°

γ 70°

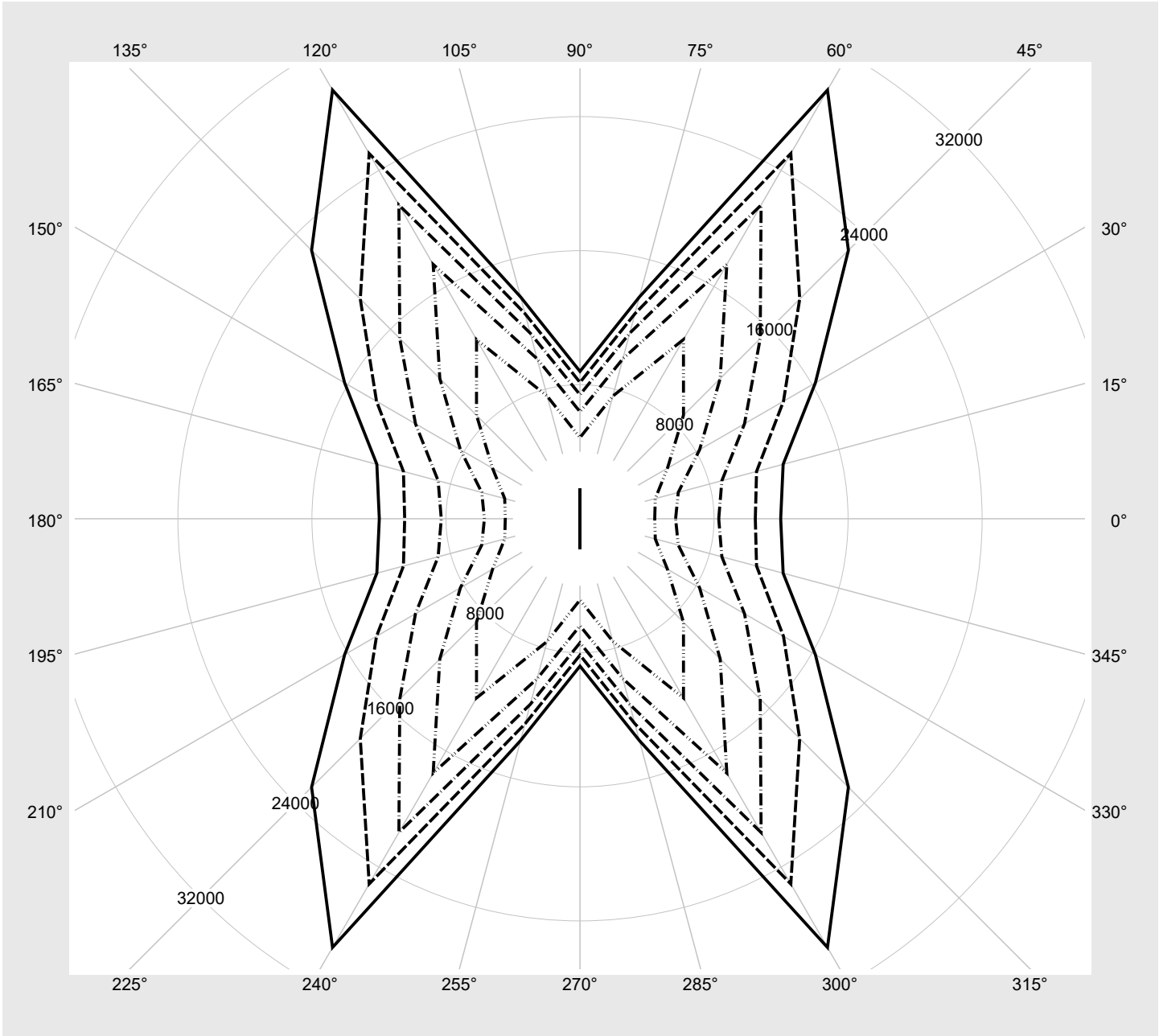
γ 75°

γ 80°

γ 85°

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Dimming levels table		environmental temperature: 25°C

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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	9810	56.7
95	240	252	9315	53.6
90	226	250	8812	50.4
85	213	248	8342	47.5
80	199	245	7832	44.4
75	186	243	7352	41.5
70	173	240	6870	38.5
65	160	237	6384	35.7
60	147	234	5892	32.8
55	134	231	5393	29.9
50	121	227	4892	27.2
45	109	223	4425	24.6
40	96	218	3912	21.9
35	84	213	3437	19.3
30	72	208	2958	16.9
25	60	201	2472	14.4
20	47	192	1945	11.6
15	35	181	1453	9.1
10	24	168	999	6.8
5	12	142	496	4.4
2	4	102	160	2.8