

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL11DN68XG
EAN: 4069025289025

LP number
58785_373



Version cover frosted, narrow distribution
Lamps LED 6500 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 8000 lm
 Power consumption = 45.2 W
 Luminous efficacy = 177 lm/W

serial
documentation
30.03.2026

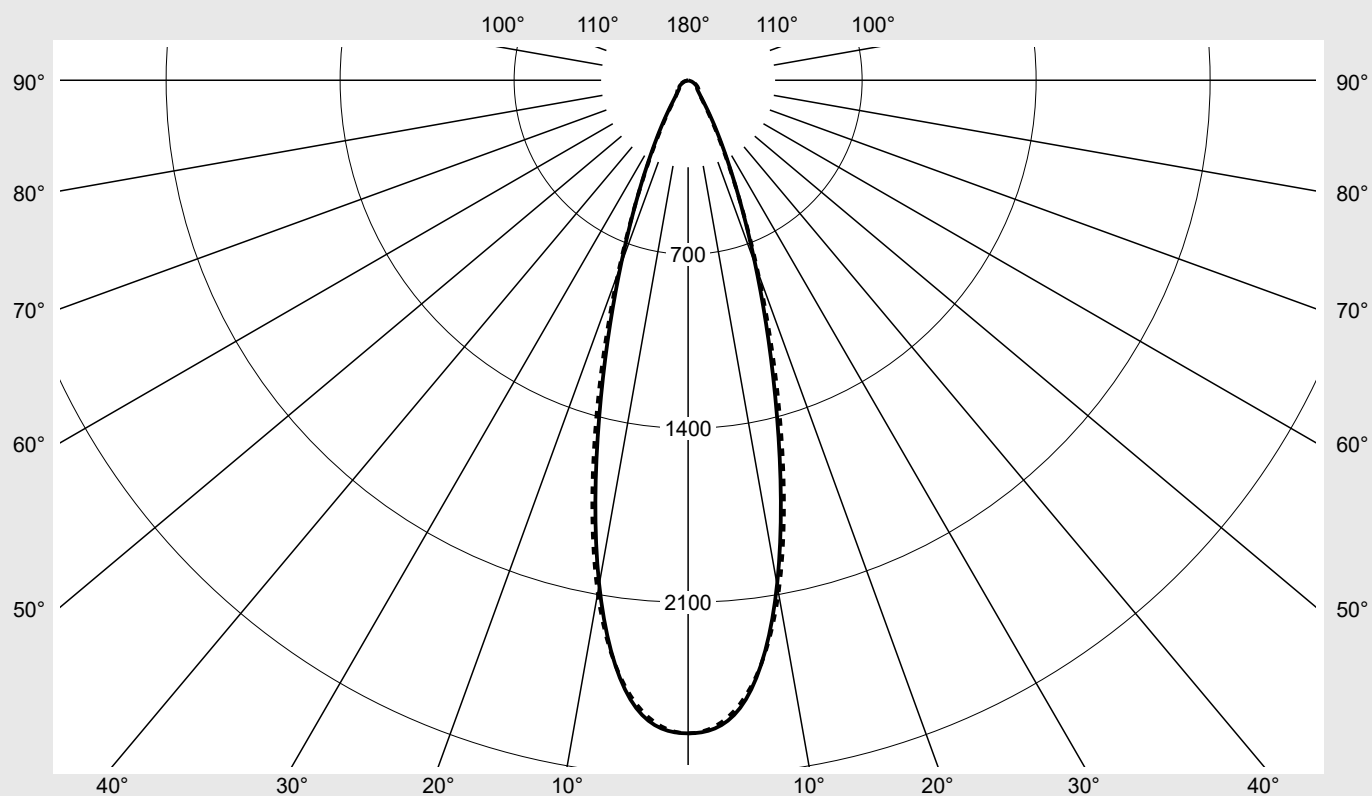
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 2627 cd/klm



Classifications

DIN 5040 A 7 0
 CIE N1=89 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°	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	15.7	15.7
5°	2520.2	2503.8	2487.8	2499.1	2508.6	2505.8	2505.2	119.6	135.3
10°	2060.7	2047.7	2044.6	2066.8	2086.2	2092.0	2094.5	196.9	332.2
15°	1373.4	1369.0	1375.7	1399.2	1421.9	1432.7	1437.2	198.7	530.9
20°	791.8	790.8	796.4	808.8	818.0	819.0	819.4	151.2	682.1
25°	418.1	420.5	425.4	427.2	423.4	413.4	409.3	97.4	779.6
30°	215.7	218.7	224.8	222.9	213.7	202.3	197.8	58.9	838.4
35°	112.4	114.3	119.3	116.0	107.4	103.1	102.4	35.0	873.4
40°	70.3	69.7	69.6	67.8	65.2	68.3	71.3	24.2	897.6
45°	52.4	50.5	46.9	47.4	48.4	54.1	61.4	19.6	917.2
50°	46.4	44.6	38.1	38.0	38.3	44.7	54.3	17.8	935.0
55°	42.3	42.2	36.7	33.4	32.3	38.6	47.1	17.1	952.1
60°	32.7	32.9	34.3	30.2	28.0	32.6	38.2	15.3	967.4
65°	23.6	23.8	26.4	25.7	24.0	26.1	29.3	12.6	980.0
70°	15.1	15.6	18.2	19.4	18.6	19.5	20.9	9.4	989.4
75°	8.3	8.7	10.8	13.0	12.9	13.2	13.7	6.1	995.5
80°	4.0	4.1	5.0	6.6	7.3	7.2	7.2	3.2	998.7
85°	1.6	1.6	1.9	2.5	2.6	2.7	2.5	1.2	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	14.6	15.7	14.9	16.0	16.3	14.5	15.6	14.9	15.9	16.3
	3H	15.5	16.5	15.9	16.8	17.2	15.9	16.9	16.3	17.2	17.6
	4H	15.7	16.6	16.1	17.0	17.4	16.4	17.3	16.8	17.7	18.1
	6H	15.9	16.6	16.3	17.0	17.4	16.8	17.6	17.2	17.9	18.3
	8H	15.9	16.6	16.4	17.0	17.4	17.0	17.6	17.4	18.0	18.4
	12H	15.9	16.5	16.4	16.9	17.3	17.0	17.6	17.4	18.0	18.4
4H	2H	15.1	16.0	15.5	16.3	16.7	15.0	15.9	15.4	16.3	16.6
	3H	16.2	17.0	16.6	17.3	17.8	16.6	17.3	17.0	17.7	18.1
	4H	16.5	17.2	16.9	17.6	18.0	17.2	17.8	17.6	18.2	18.7
	6H	16.6	17.2	17.1	17.6	18.1	17.6	18.1	18.1	18.6	19.1
	8H	16.7	17.1	17.1	17.6	18.1	17.7	18.2	18.2	18.6	19.1
	12H	16.7	17.1	17.2	17.5	18.1	17.8	18.2	18.3	18.6	19.1
8H	4H	16.8	17.2	17.2	17.7	18.2	17.4	17.8	17.8	18.3	18.8
	6H	16.9	17.3	17.4	17.8	18.3	17.9	18.3	18.4	18.7	19.3
	8H	16.9	17.3	17.5	17.8	18.3	18.0	18.4	18.5	18.9	19.4
	12H	17.0	17.3	17.5	17.8	18.3	18.1	18.4	18.7	18.9	19.4
12H	4H	16.8	17.2	17.3	17.6	18.1	17.4	17.8	17.9	18.2	18.7
	6H	17.0	17.3	17.5	17.8	18.3	17.9	18.2	18.4	18.7	19.2
	8H	17.0	17.3	17.6	17.8	18.3	18.1	18.3	18.6	18.8	19.4

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°
γ	Luminance in cd/m²						
45°	6819.2	6563.3	6097.3	6158.9	6289.4	7041.2	7984.0
50°	6642.0	6382.4	5444.4	5441.2	5476.1	6399.4	7763.2
55°	6786.9	6767.8	5883.2	5349.6	5184.3	6189.7	7543.9
60°	6010.9	6047.6	6306.9	5556.8	5145.0	5986.4	7024.2
65°	5125.4	5182.6	5743.9	5599.9	5224.8	5677.6	6365.1
70°	4062.1	4186.6	4906.3	5205.0	5011.5	5243.8	5620.7
75°	2959.5	3097.4	3834.9	4619.7	4590.3	4681.6	4862.0
80°	2092.8	2167.4	2662.0	3488.1	3859.3	3794.7	3827.0
85°	1707.1	1731.3	2020.4	2619.7	2768.5	2832.8	2596.5

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Luminance values in cd/m²

γ 65°

γ 70°

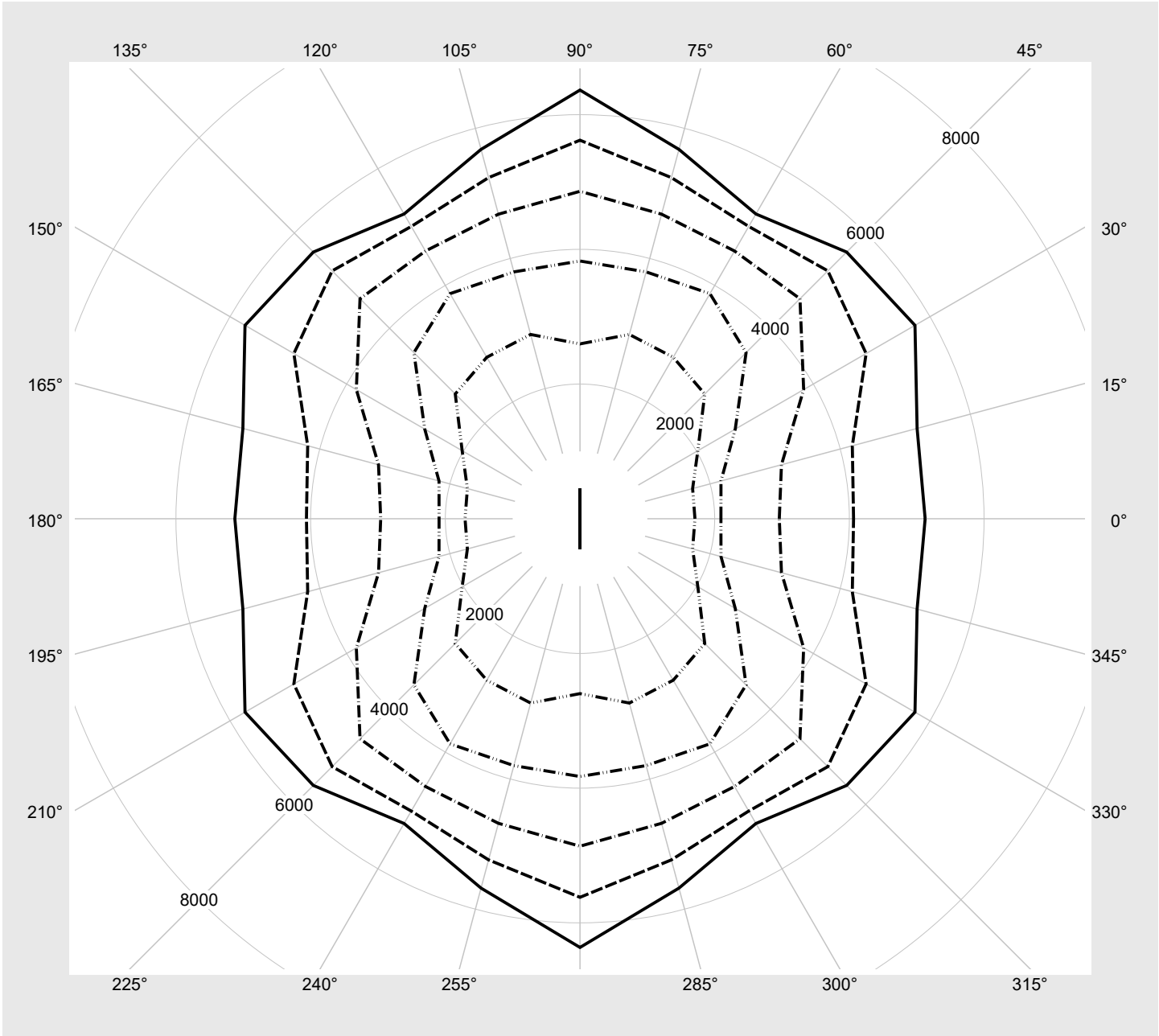
γ 75°

γ 80°

γ 85°

sit

eco



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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	8000	45.2
95	240	252	7587	42.8
90	227	250	7199	40.5
85	214	248	6811	38.1
80	200	245	6391	35.7
75	187	243	5996	33.4
70	174	240	5596	31.1
65	161	237	5196	28.9
60	148	234	4792	26.6
55	135	231	4387	24.4
50	123	227	4007	22.4
45	110	223	3595	20.1
40	98	219	3213	18.2
35	85	214	2796	16.0
30	73	208	2406	14.0
25	60	201	1984	11.8
20	48	193	1591	9.7
15	36	182	1196	7.8
10	24	168	795	5.8
5	12	142	394	3.9
2	5	110	159	2.8