

Photometric test report

Family
Licross® 21 Recessed



Order number: **52TL11DN68XG3S**
EAN: **4069025289049**

Version

Lamps

Controlgear

Setting

Rated values

cover frosted, narrow distribution

LED 6500 K | CRI ≥ 80

ECG-DALI

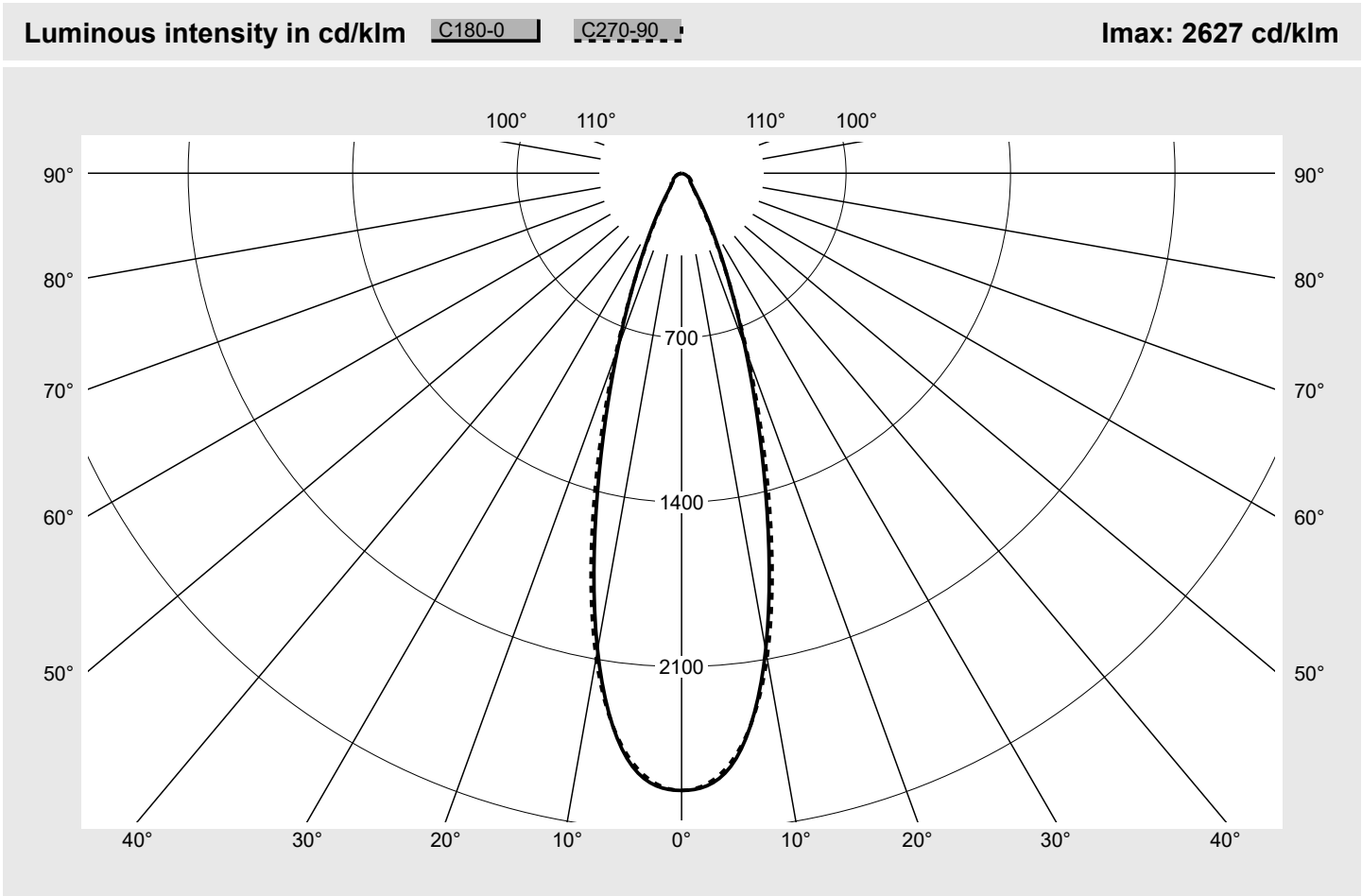
AC-mode

Net luminous flux = 8000 lm
Power consumption = 50.1 W
Luminous efficacy = 159.7 lm/W

LP number
58785_364

serial
documentation
22.11.2024





Classifications		Luminaire light output ratios	
DIN 5040	A 7 0	η_{LB}	100.0%
CIE	N1=89 N2=96 N3=99	ϕ_u	100.0%
	N4=100 N5=100	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
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	14.6	15.7	14.9	16.0	16.3	14.5	15.6	14.9	15.9
	3H	15.5	16.5	15.9	16.8	17.2	15.9	16.9	16.3	17.2
	4H	15.7	16.6	16.1	17.0	17.4	16.4	17.3	16.8	17.7
	6H	15.9	16.6	16.3	17.0	17.4	16.8	17.6	17.2	17.9
	8H	15.9	16.6	16.4	17.0	17.4	17.0	17.6	17.4	18.0
	12H	15.9	16.5	16.4	16.9	17.3	17.0	17.6	17.4	18.0
4H	2H	15.1	16.0	15.5	16.3	16.7	15.0	15.9	15.4	16.3
	3H	16.2	17.0	16.6	17.3	17.8	16.6	17.3	17.0	17.7
	4H	16.5	17.2	16.9	17.6	18.0	17.2	17.8	17.6	18.2
	6H	16.6	17.2	17.1	17.6	18.1	17.6	18.1	18.1	18.6
	8H	16.7	17.1	17.1	17.6	18.1	17.7	18.2	18.2	18.6
	12H	16.7	17.1	17.2	17.5	18.1	17.8	18.2	18.3	18.6
8H	4H	16.8	17.2	17.2	17.7	18.2	17.4	17.8	17.8	18.3
	6H	16.9	17.3	17.4	17.8	18.3	17.9	18.3	18.4	18.7
	8H	16.9	17.3	17.5	17.8	18.3	18.0	18.4	18.5	18.9
	12H	17.0	17.3	17.5	17.8	18.3	18.1	18.4	18.7	18.9
12H	4H	16.8	17.2	17.3	17.6	18.1	17.4	17.8	17.9	18.2
	6H	17.0	17.3	17.5	17.8	18.3	17.9	18.2	18.4	18.7
	8H	17.0	17.3	17.6	17.8	18.3	18.1	18.3	18.6	18.8

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	6819.2	6563.3	6097.3	6158.9	6289.4	7041.2
		6642.0	6382.4	5444.4	5441.2	5476.1	6399.4
		6786.9	6767.8	5883.2	5349.6	5184.3	6189.7
		6010.9	6047.6	6306.9	5556.8	5145.0	5986.4
65° 70° 75° 80°	γ	5125.4	5182.6	5743.9	5599.9	5224.8	5677.6
		4062.1	4186.6	4906.3	5205.0	5011.5	5243.8
		2959.5	3097.4	3834.9	4619.7	4590.3	4681.6
		2092.8	2167.4	2662.0	3488.1	3859.3	3794.7
85°	γ	1707.1	1731.3	2020.4	2619.7	2768.5	2832.8

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Luminance values in cd/m²

γ 65°

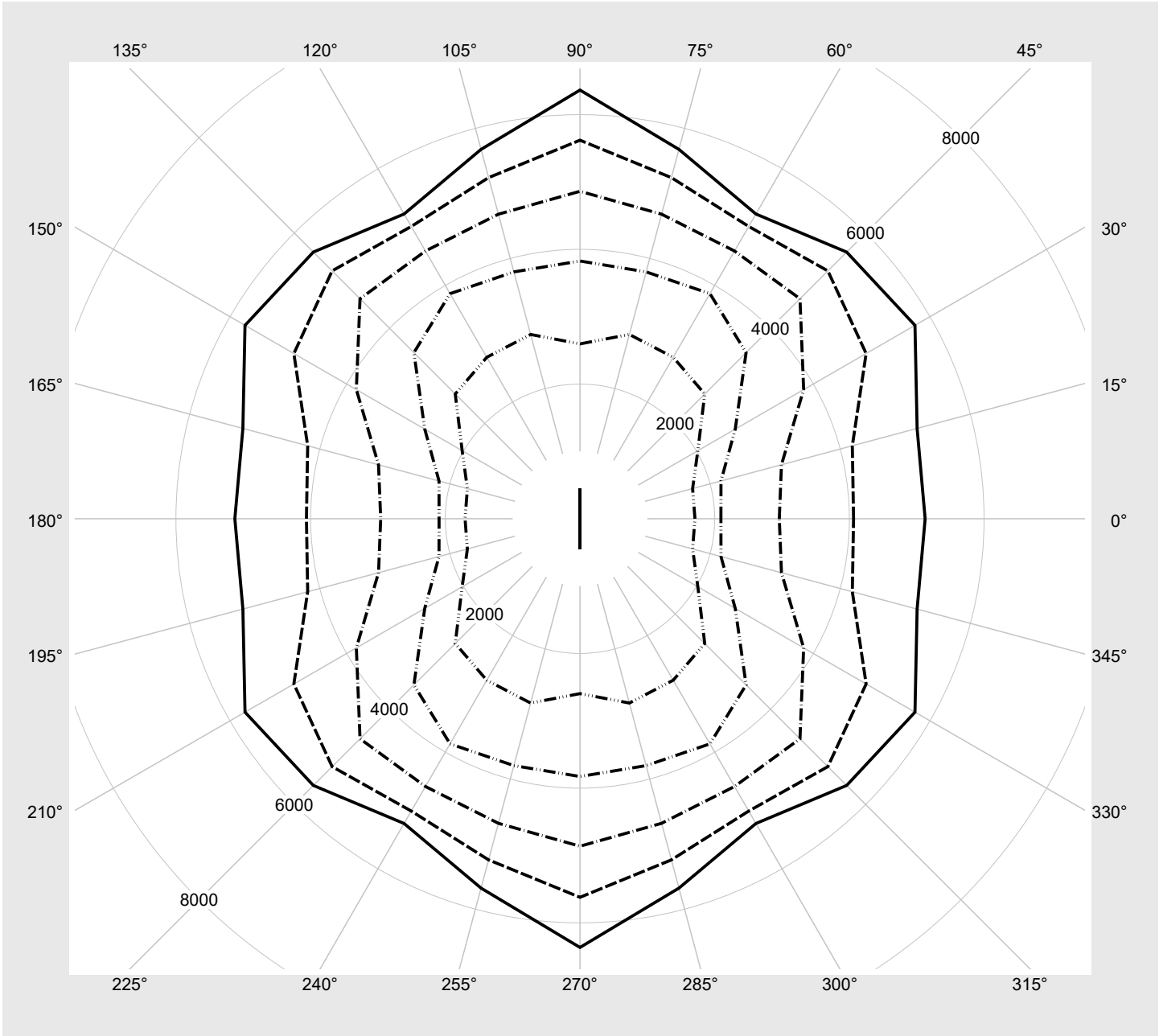
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8000	50.1
95	240	252	7587	47.6
90	227	250	7200	45.3
85	214	248	6810	43.0
80	200	245	6388	40.5
75	187	243	5994	38.2
70	174	240	5594	35.9
65	161	237	5192	33.6
60	148	234	4787	31.3
55	136	231	4409	29.2
50	123	227	4000	27.0
45	110	223	3586	24.8
40	98	219	3202	22.7
35	86	214	2815	20.7
30	73	208	2394	18.4
25	61	202	2004	16.3
20	49	194	1610	14.2
15	37	183	1214	12.2
10	24	168	785	10.0
5	12	142	386	7.9
2	5	110	151	6.7