

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL11DN4AXG3S4
EAN: 4069025202932

LP number
58785_294



Version cover frosted, narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Setting AC-mode
Rated values Net luminous flux = 10120 lm
 Power consumption = 61.8 W
 Luminous efficacy = 163.7 lm/W

serial
documentation
17.08.2023

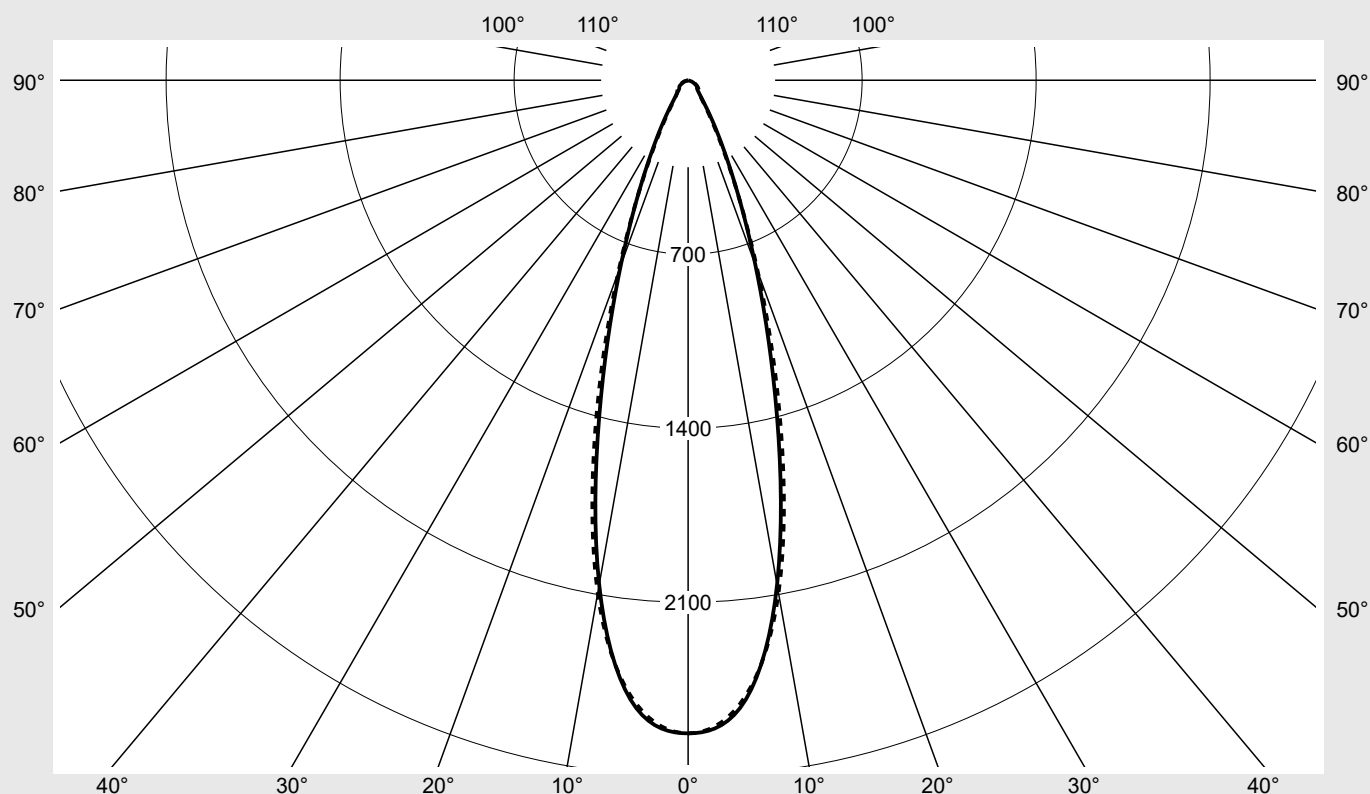
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Luminous intensity in cd/klm

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	15.4	16.5	15.8	16.8	17.1	15.3	16.4	15.7	16.8	17.1	
	3H	16.3	17.3	16.7	17.6	18.0	16.7	17.7	17.1	18.0	18.4	
	4H	16.5	17.4	16.9	17.8	18.2	17.3	18.1	17.7	18.5	18.9	
	6H	16.7	17.4	17.1	17.8	18.2	17.6	18.4	18.0	18.8	19.2	
	8H	16.8	17.4	17.2	17.8	18.2	17.8	18.4	18.2	18.8	19.2	
	12H	16.8	17.3	17.2	17.7	18.2	17.8	18.4	18.2	18.8	19.2	
4H	2H	15.9	16.8	16.3	17.2	17.5	15.8	16.7	16.2	17.1	17.5	
	3H	17.0	17.8	17.5	18.2	18.6	17.4	18.1	17.8	18.5	18.9	
	4H	17.3	18.0	17.8	18.4	18.8	18.0	18.6	18.4	19.1	19.5	
	6H	17.5	18.0	17.9	18.4	18.9	18.4	19.0	18.9	19.4	19.9	
	8H	17.5	18.0	18.0	18.4	18.9	18.5	19.0	19.0	19.5	19.9	
	12H	17.5	17.9	18.0	18.4	18.9	18.6	19.0	19.1	19.5	20.0	
8H	4H	17.6	18.0	18.0	18.5	19.0	18.2	18.7	18.7	19.1	19.6	
	6H	17.7	18.1	18.2	18.6	19.1	18.7	19.1	19.2	19.6	20.1	
	8H	17.8	18.1	18.3	18.6	19.1	18.8	19.2	19.3	19.7	20.2	
	12H	17.8	18.1	18.3	18.6	19.1	18.9	19.2	19.5	19.7	20.3	
12H	4H	17.6	18.0	18.1	18.4	19.0	18.2	18.6	18.7	19.0	19.5	
	6H	17.8	18.1	18.3	18.6	19.1	18.7	19.0	19.2	19.5	20.0	
	8H	17.8	18.1	18.4	18.6	19.2	18.9	19.1	19.4	19.6	20.2	

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58		
C-planes	γ	0°	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						
	45°	8626.3	8302.5	7713.1	7791.1	7956.1	8907.1	10099.7
	50°	8402.2	8073.7	6887.2	6883.2	6927.3	8095.3	9820.4
	55°	8585.4	8561.2	7442.2	6767.3	6558.2	7829.9	9543.0
	60°	7603.7	7650.3	7978.3	7029.3	6508.4	7572.8	8885.6
	65°	6483.6	6556.0	7266.1	7083.9	6609.4	7182.1	8051.9
	70°	5138.6	5296.1	6206.5	6584.4	6339.5	6633.4	7110.2
	75°	3743.8	3918.2	4851.2	5844.0	5806.7	5922.2	6150.5
	80°	2647.3	2741.8	3367.4	4412.4	4882.0	4800.3	4841.2
	85°	2159.5	2190.1	2555.8	3313.9	3502.1	3583.5	3284.6

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Luminance values in cd/m²

γ 65°

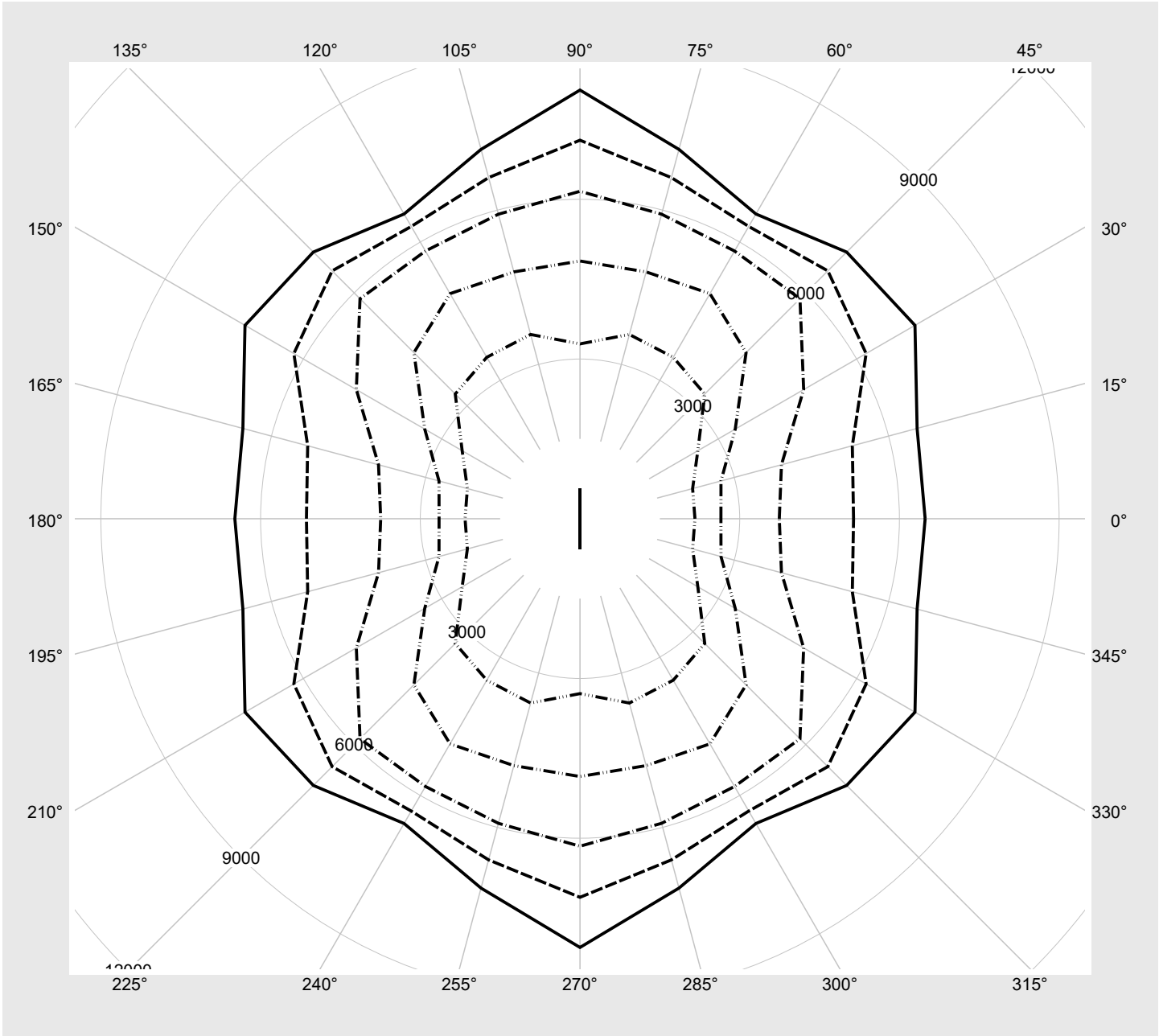
γ 70°

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	10120	61.8
95	240	252	9610	58.6
90	226	250	9095	55.3
85	213	248	8609	52.5
80	199	245	8083	49.3
75	186	243	7586	46.4
70	173	240	7086	43.4
65	160	237	6583	40.6
60	147	234	6074	37.7
55	134	231	5559	34.8
50	122	227	5079	32.2
45	109	223	4555	29.3
40	97	219	4068	26.7
35	84	213	3535	23.9
30	72	208	3038	21.3
25	60	201	2537	18.8
20	48	193	2033	16.1
15	36	182	1526	13.5
10	24	168	1015	11.0
5	12	142	501	8.4
2	4	102	156	6.8