
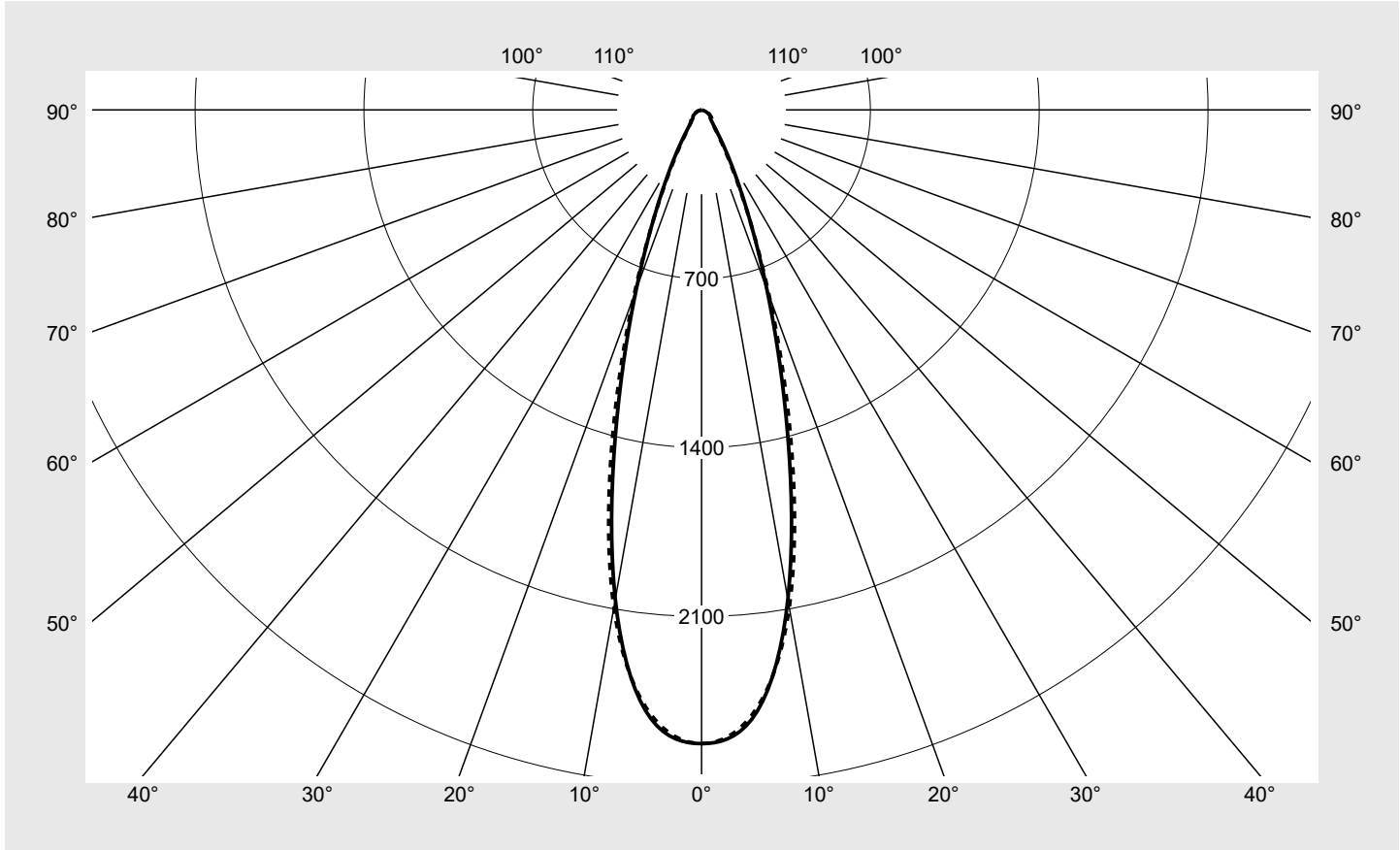


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL11DE45XG EAN: 4058352890448	LP number 58785_260
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 5060 lm Power consumption = 29.9 W Luminous efficacy = 169.2 lm/W	serial documentation 02.08.2023



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°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
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								
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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 = 750 B = 58
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
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	

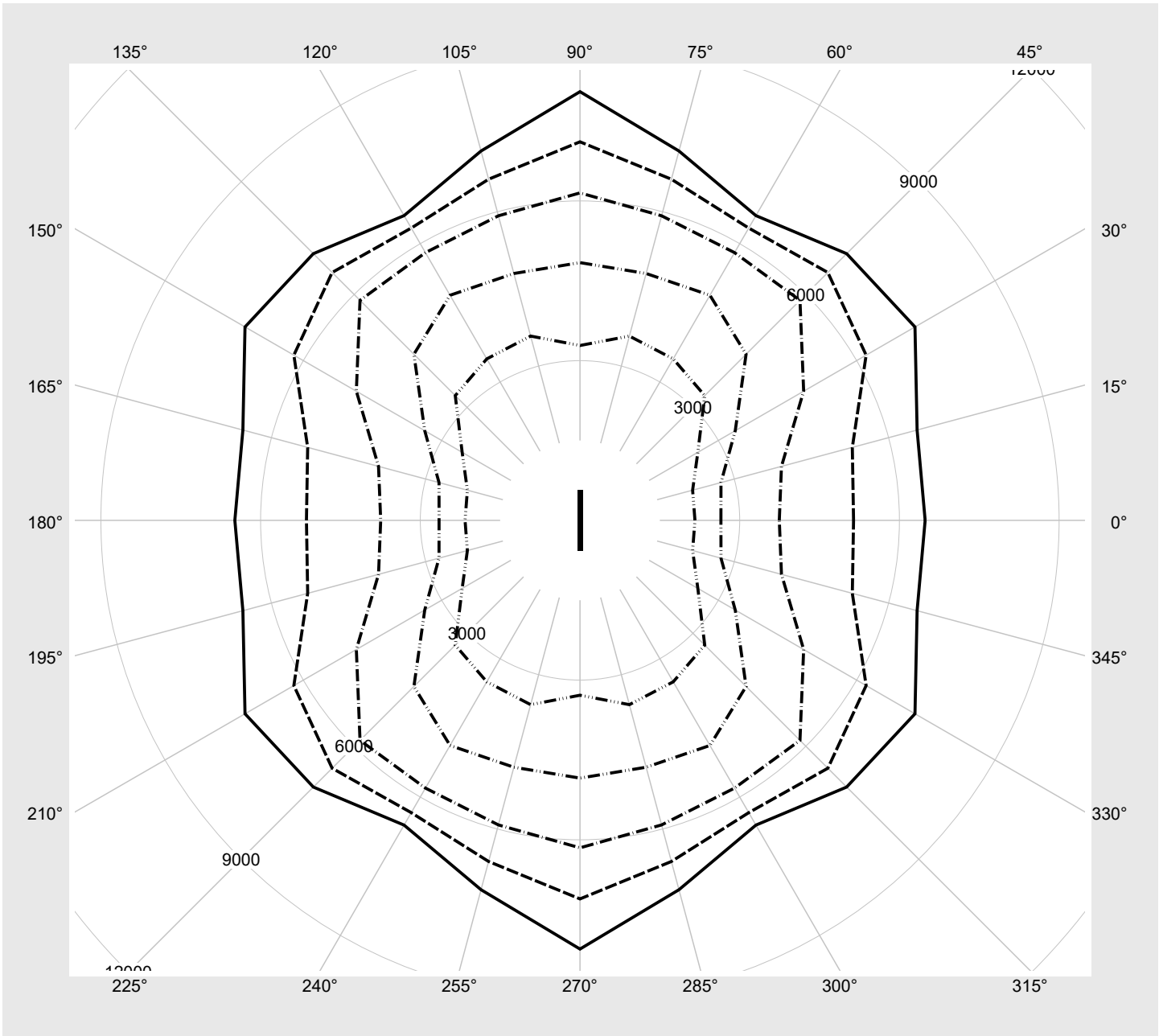
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	5060	29.9
95	240	252	4805	28.3
90	226	250	4547	26.7
85	213	248	4304	25.2
80	199	245	4041	23.6
75	186	243	3793	22.1
70	173	240	3543	20.6
65	160	237	3291	19.1
60	147	234	3037	17.6
55	134	231	2779	16.0
50	122	227	2539	14.8
45	109	223	2277	13.4
40	97	219	2033	12.2
35	84	213	1767	10.8
30	72	208	1518	9.4
25	60	201	1268	8.0
20	48	193	1017	6.6
17	40	186	847	5.6