

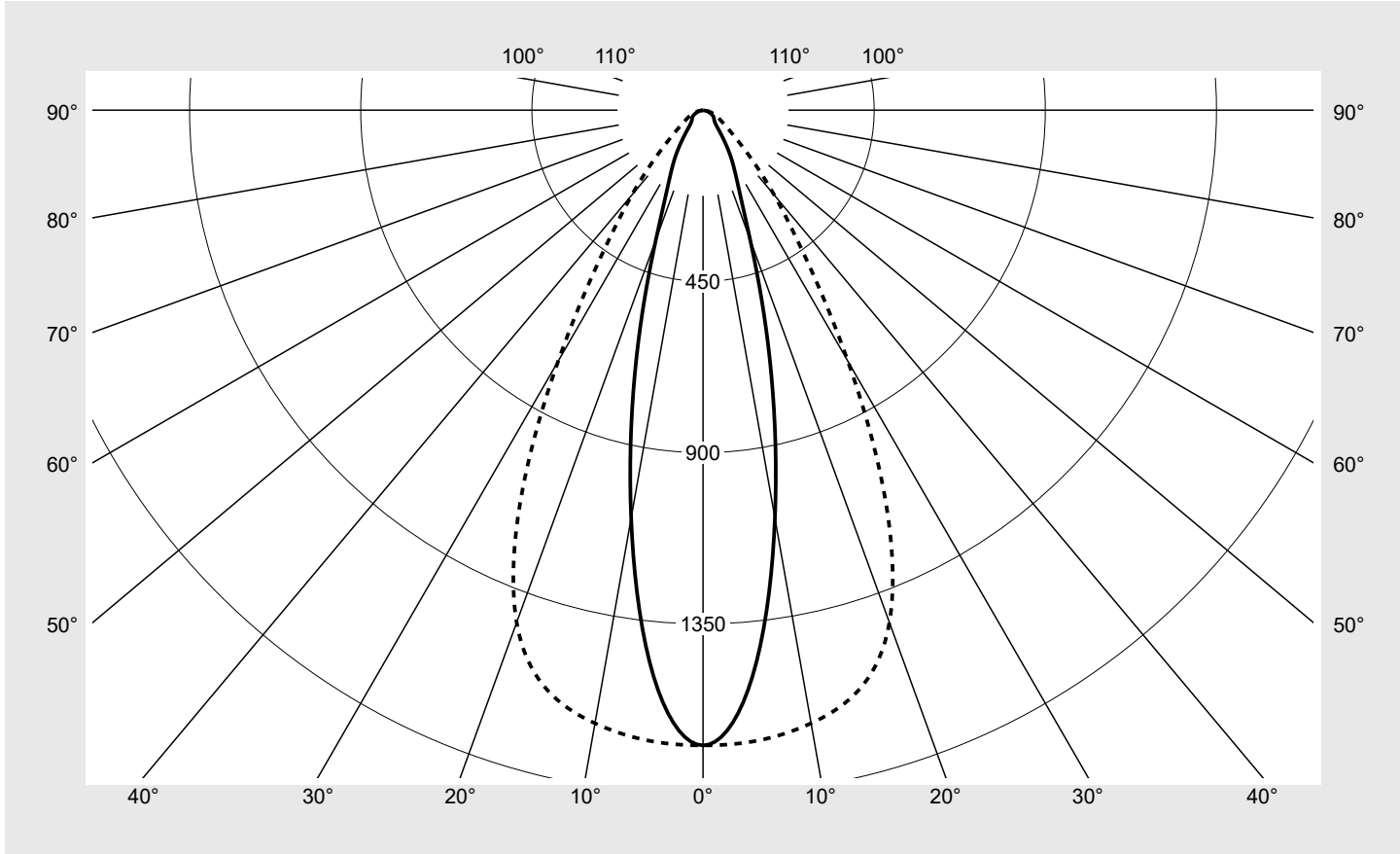


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1EDE445G EAN: 4058352929902	LP number 59263_190
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 4950 lm Power consumption = 29.6 W Luminous efficacy = 167.2 lm/W	serial documentation 21.09.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 1670 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=85 N2=95 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
		siteco

C-planes γ	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°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
0°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	15.1	16.3	15.5	16.7	17.0	20.1	21.4	20.5	21.7	22.0
	3H	16.3	17.4	16.7	17.7	18.1	20.7	21.8	21.1	22.1	22.4
	4H	16.6	17.7	17.0	18.0	18.4	21.0	21.9	21.4	22.3	22.7
	6H	16.9	17.8	17.3	18.2	18.6	21.2	22.1	21.6	22.4	22.8
	8H	17.1	17.9	17.5	18.3	18.7	21.3	22.1	21.8	22.5	22.9
	12H	17.1	17.9	17.5	18.3	18.7	21.4	22.0	21.8	22.4	22.9
4H	2H	15.9	16.9	16.3	17.3	17.6	20.1	21.1	20.5	21.5	21.9
	3H	17.4	18.2	17.8	18.6	19.0	20.8	21.7	21.2	22.1	22.5
	4H	17.9	18.6	18.3	19.0	19.5	21.2	21.9	21.6	22.4	22.8
	6H	18.2	18.8	18.6	19.3	19.7	21.5	22.1	22.0	22.6	23.0
	8H	18.3	18.9	18.8	19.3	19.8	21.6	22.2	22.1	22.6	23.1
	12H	18.4	18.9	18.9	19.3	19.8	21.7	22.1	22.2	22.6	23.1
8H	4H	18.4	18.9	18.8	19.3	19.8	21.3	21.9	21.8	22.3	22.8
	6H	18.8	19.2	19.3	19.7	20.2	21.7	22.2	22.2	22.6	23.1
	8H	18.9	19.3	19.4	19.8	20.4	21.8	22.2	22.3	22.7	23.3
	12H	19.1	19.4	19.6	19.9	20.5	21.9	22.3	22.4	22.8	23.3
12H	4H	18.4	18.9	18.9	19.3	19.8	21.3	21.8	21.8	22.2	22.7
	6H	18.9	19.3	19.4	19.8	20.3	21.7	22.1	22.2	22.6	23.1
	8H	19.1	19.4	19.6	19.9	20.5	21.9	22.2	22.4	22.7	23.3

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°		6998.6	7382.6	9358.3	13884.5	16017.8	23398.9	28474.6	
50°		6681.0	6900.7	7576.4	10805.1	12093.1	15814.1	19320.4	
55°		6856.8	6940.0	7285.0	8625.1	10022.2	11829.3	14625.3	
60°		6863.1	7088.6	7468.2	7789.6	8783.2	9554.3	12174.0	
65°		6442.8	6832.1	7840.0	7568.6	8112.7	8287.5	11124.1	
70°		5648.4	6109.5	7479.0	7759.4	7784.1	7541.5	10256.7	
75°		4773.4	5279.9	7119.9	7884.5	7656.7	6920.7	9096.2	
80°		4032.8	4361.1	5901.7	6983.6	7188.7	6086.5	7614.7	
85°		4080.1	4351.7	5537.2	6563.4	6287.9	5084.1	5448.4	

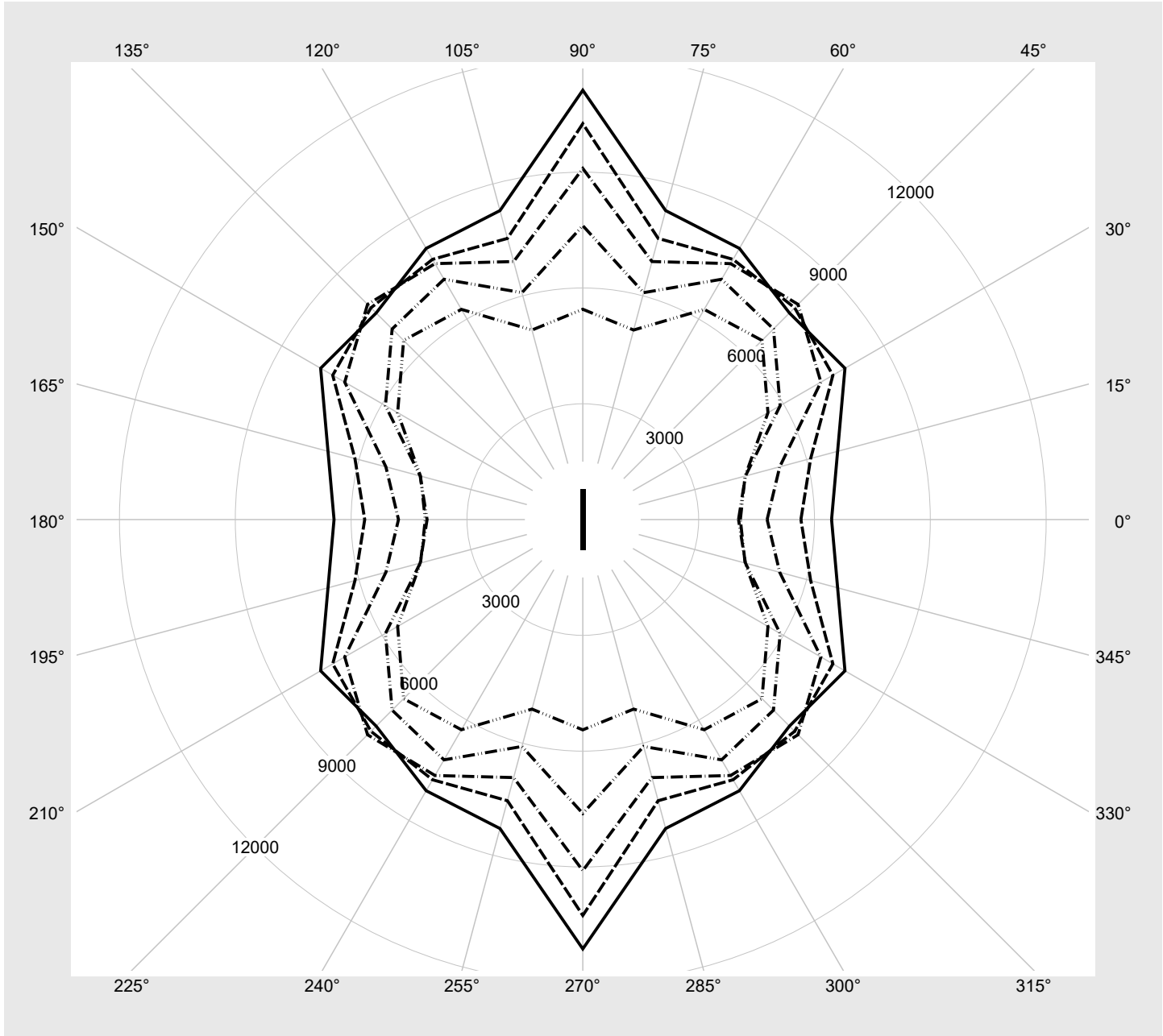
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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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	4950	29.6
95	240	252	4701	28.0
90	226	250	4447	26.3
85	213	248	4209	24.8
80	199	245	3952	23.2
75	186	243	3710	21.7
70	173	240	3467	20.1
65	160	237	3222	18.6
60	147	234	2973	17.1
55	134	231	2722	15.6
50	121	227	2468	14.3
45	109	223	2233	13.1
40	96	218	1974	11.7
35	84	213	1735	10.4
30	72	208	1493	9.1
25	60	201	1247	7.7
20	47	192	981	6.1
15	35	181	734	4.8
10	24	168	504	3.4
8	18	157	376	2.7