

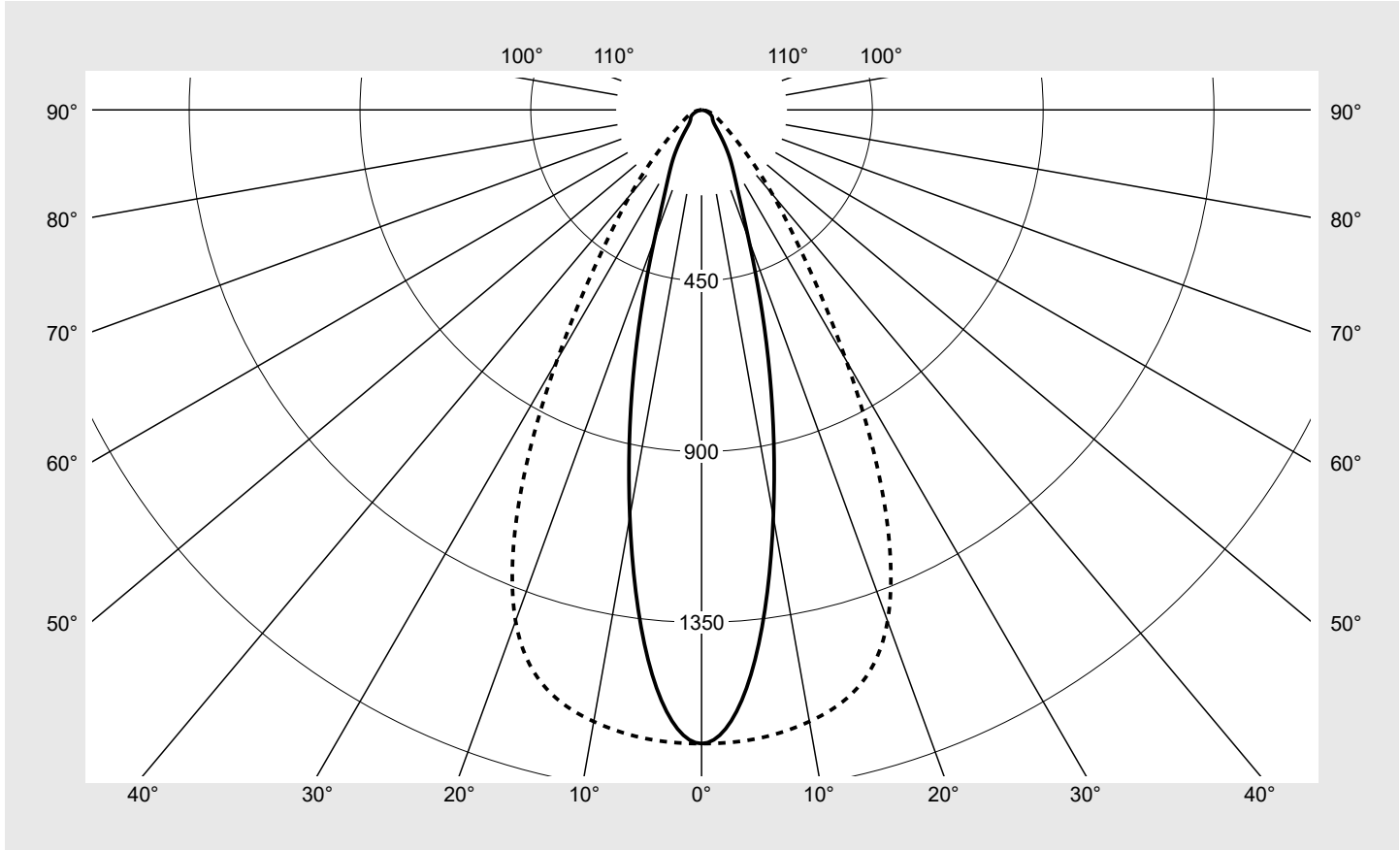


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1EDE465S EAN: 4058352929926	LP number 59263_191
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 6840 lm Power consumption = 40.2 W Luminous efficacy = 170.1 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									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	16.2	17.5	16.6	17.8	18.1	21.2	22.5	21.6	22.8	23.1
	3H	17.4	18.5	17.8	18.8	19.2	21.8	22.9	22.2	23.2	23.6
	4H	17.8	18.8	18.2	19.2	19.5	22.1	23.1	22.5	23.4	23.8
	6H	18.0	19.0	18.4	19.3	19.7	22.3	23.2	22.7	23.6	24.0
	8H	18.2	19.0	18.6	19.4	19.8	22.5	23.2	22.9	23.6	24.0
	12H	18.2	19.0	18.7	19.4	19.8	22.5	23.2	22.9	23.6	24.0
4H	2H	17.1	18.0	17.5	18.4	18.8	21.2	22.3	21.6	22.6	23.0
	3H	18.5	19.3	18.9	19.7	20.1	21.9	22.8	22.4	23.2	23.6
	4H	19.0	19.7	19.4	20.2	20.6	22.3	23.1	22.8	23.5	23.9
	6H	19.3	19.9	19.7	20.4	20.8	22.6	23.2	23.1	23.7	24.2
	8H	19.4	20.0	19.9	20.4	20.9	22.8	23.3	23.2	23.7	24.2
	12H	19.5	20.0	20.0	20.5	21.0	22.8	23.3	23.3	23.7	24.2
8H	4H	19.5	20.0	20.0	20.5	20.9	22.4	23.0	22.9	23.4	23.9
	6H	19.9	20.4	20.4	20.9	21.4	22.8	23.3	23.3	23.8	24.3
	8H	20.1	20.5	20.6	21.0	21.5	23.0	23.4	23.5	23.9	24.4
	12H	20.2	20.5	20.7	21.0	21.6	23.0	23.4	23.6	23.9	24.4
12H	4H	19.5	20.0	20.0	20.4	20.9	22.4	22.9	22.9	23.4	23.9
	6H	20.0	20.4	20.5	20.9	21.4	22.8	23.2	23.3	23.7	24.2
	8H	20.2	20.6	20.7	21.1	21.6	23.0	23.3	23.5	23.8	24.4

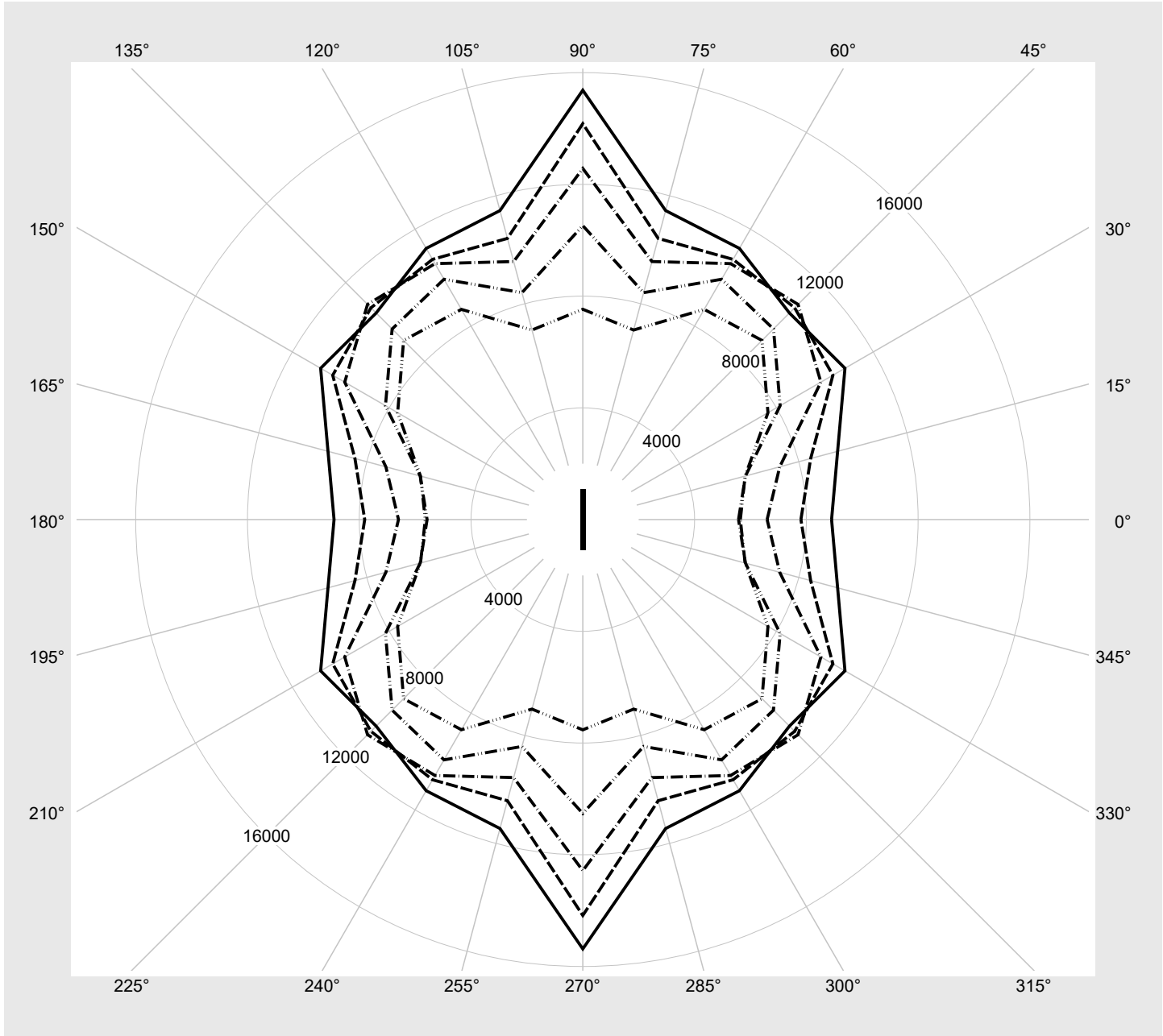
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 750
			B = 58

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°		9670.8	10201.4	12931.4	19185.9	22133.7	32333.0	39346.7	
50°		9231.9	9535.4	10469.2	14930.6	16710.5	21852.3	26697.3	
55°		9474.9	9589.8	10066.5	11918.3	13848.8	16346.0	20209.5	
60°		9483.5	9795.2	10319.8	10763.8	12136.8	13202.3	16822.3	
65°		8902.8	9440.8	10833.4	10458.4	11210.3	11451.8	15371.5	
70°		7805.1	8442.3	10334.6	10722.1	10756.1	10421.0	14173.0	
75°		6596.0	7295.9	9838.4	10894.9	10580.2	9563.2	12569.3	
80°		5572.6	6026.2	8155.1	9650.1	9933.5	8410.4	10522.1	
85°		5637.9	6013.2	7651.4	9069.4	8688.8	7025.3	7528.7	

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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	6840	40.2
95	240	252	6491	38.0
90	227	250	6163	36.1
85	213	248	5806	33.9
80	200	245	5472	31.9
75	187	243	5136	29.9
70	174	240	4798	27.8
65	161	237	4459	25.8
60	148	234	4113	23.7
55	135	231	3768	21.6
50	122	227	3418	19.4
45	109	223	3065	17.4
40	97	219	2737	15.4
35	85	214	2405	14.0
30	72	208	2045	12.5
25	60	201	1709	10.8
20	48	193	1369	9.1
15	36	182	1029	6.5
10	24	168	686	3.6
8	20	161	570	2.8