



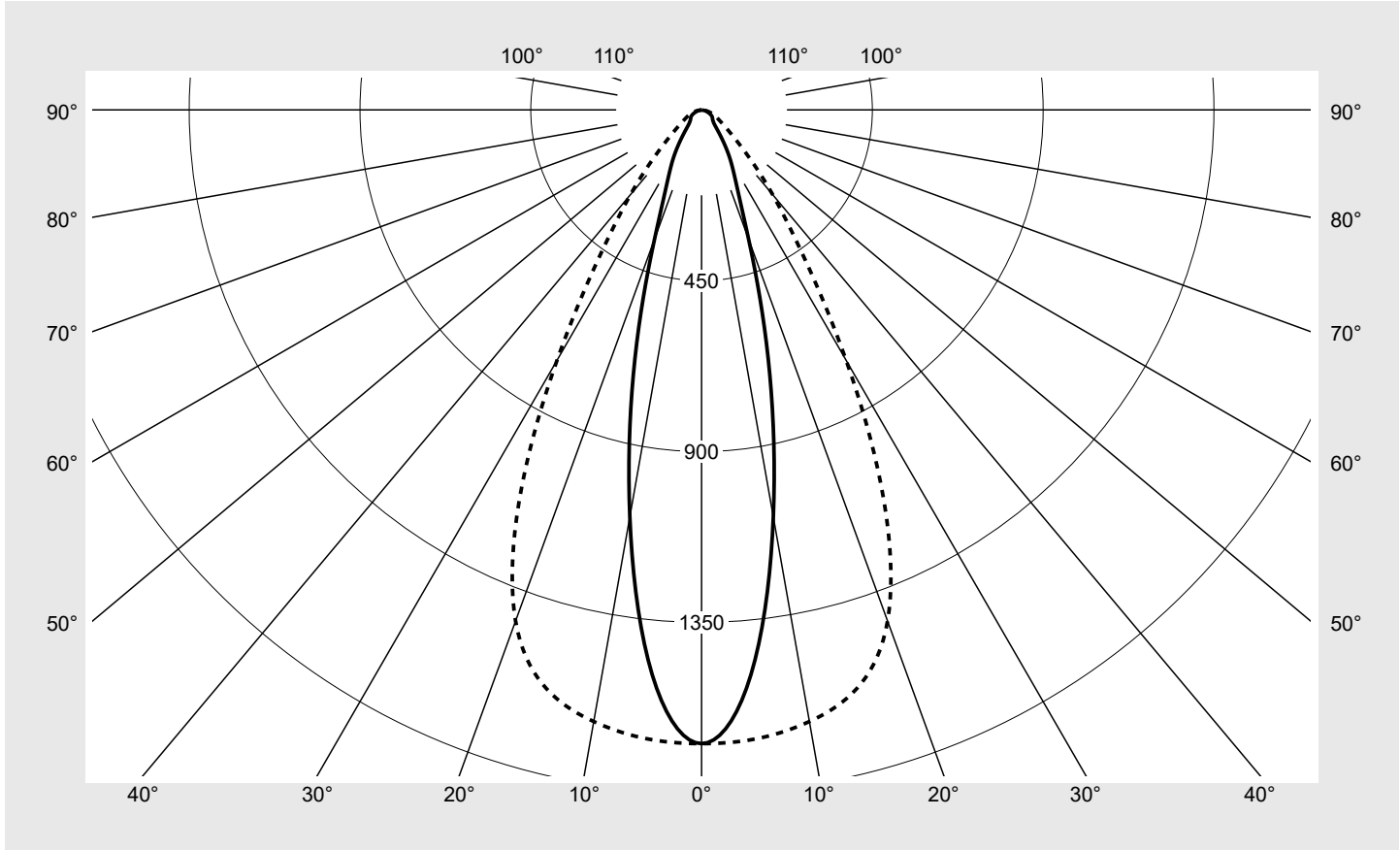
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL1EDN48XG EAN: 4058352891766	LP number 59263_81
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 8000 lm Power consumption = 45.8 W Luminous efficacy = 174.7 lm/W	serial documentation 03.08.2023





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	14.4	15.6	14.7	15.9	16.2	19.4	20.6	19.7	20.9	21.2
	3H	15.6	16.6	15.9	17.0	17.3	20.0	21.0	20.3	21.3	21.7
	4H	15.9	16.9	16.3	17.3	17.7	20.2	21.2	20.6	21.6	21.9
	6H	16.1	17.1	16.5	17.5	17.9	20.5	21.3	20.9	21.7	22.1
	8H	16.3	17.1	16.8	17.5	17.9	20.6	21.3	21.0	21.7	22.1
	12H	16.4	17.1	16.8	17.5	17.9	20.6	21.3	21.1	21.7	22.1
4H	2H	15.2	16.2	15.6	16.5	16.9	19.4	20.4	19.8	20.8	21.1
	3H	16.6	17.4	17.1	17.8	18.3	20.1	20.9	20.5	21.3	21.7
	4H	17.1	17.9	17.6	18.3	18.7	20.5	21.2	20.9	21.6	22.1
	6H	17.4	18.1	17.9	18.5	19.0	20.7	21.4	21.2	21.8	22.3
	8H	17.5	18.1	18.0	18.6	19.0	20.9	21.4	21.4	21.9	22.4
	12H	17.6	18.1	18.1	18.6	19.1	20.9	21.4	21.4	21.9	22.4
8H	4H	17.6	18.1	18.1	18.6	19.1	20.5	21.1	21.0	21.6	22.1
	6H	18.1	18.5	18.6	19.0	19.5	21.0	21.4	21.5	21.9	22.4
	8H	18.2	18.6	18.7	19.1	19.6	21.1	21.5	21.6	22.0	22.5
	12H	18.3	18.7	18.8	19.2	19.7	21.2	21.5	21.7	22.0	22.6
12H	4H	17.7	18.1	18.2	18.6	19.1	20.5	21.0	21.0	21.5	22.0
	6H	18.2	18.5	18.7	19.0	19.6	21.0	21.4	21.5	21.8	22.4
	8H	18.4	18.7	18.9	19.2	19.7	21.1	21.5	21.6	22.0	22.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			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°		5655.4	5965.7	7562.2	11219.8	12943.7	18908.2	23009.7	
50°		5398.8	5576.3	6122.3	8731.4	9772.2	12779.1	15612.5	
55°		5540.9	5608.0	5886.8	6969.8	8098.7	9559.1	11818.4	
60°		5545.9	5728.2	6034.9	6294.6	7097.6	7720.6	9837.6	
65°		5206.3	5520.9	6335.3	6116.0	6555.7	6696.9	8989.2	
70°		4564.4	4937.0	6043.6	6270.2	6290.1	6094.1	8288.3	
75°		3857.3	4266.6	5753.5	6371.3	6187.3	5592.5	7350.5	
80°		3258.8	3524.1	4769.1	5643.3	5809.1	4918.4	6153.3	
85°		3297.0	3516.5	4474.5	5303.8	5081.1	4108.4	4402.7	

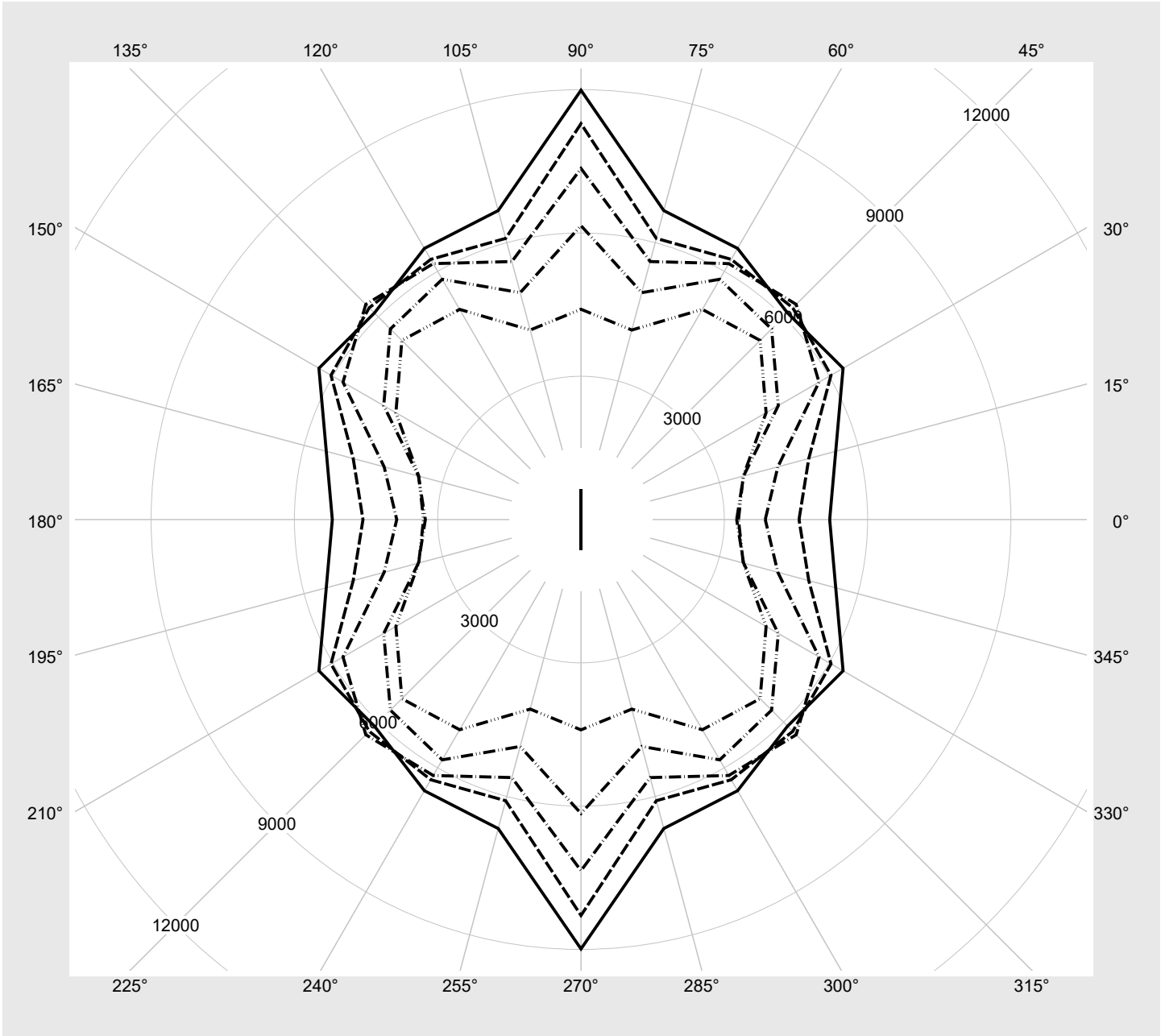
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Luminance values in cd/m²

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	8000	45.8
95	240	252	7587	43.3
90	227	250	7200	41.1
85	214	248	6811	38.8
80	200	245	6389	36.3
75	187	243	5994	34.0
70	174	240	5596	31.8
65	161	237	5194	29.5
60	148	234	4788	27.3
55	136	231	4411	25.2
50	123	227	4002	23.0
45	110	223	3588	20.8
40	98	219	3203	18.7
35	86	214	2816	16.7
30	73	208	2394	14.5
25	61	202	2005	12.4
20	49	194	1611	10.3
15	37	183	1215	8.3
10	24	168	786	6.1
5	12	142	386	4.0
2	5	110	151	2.9