

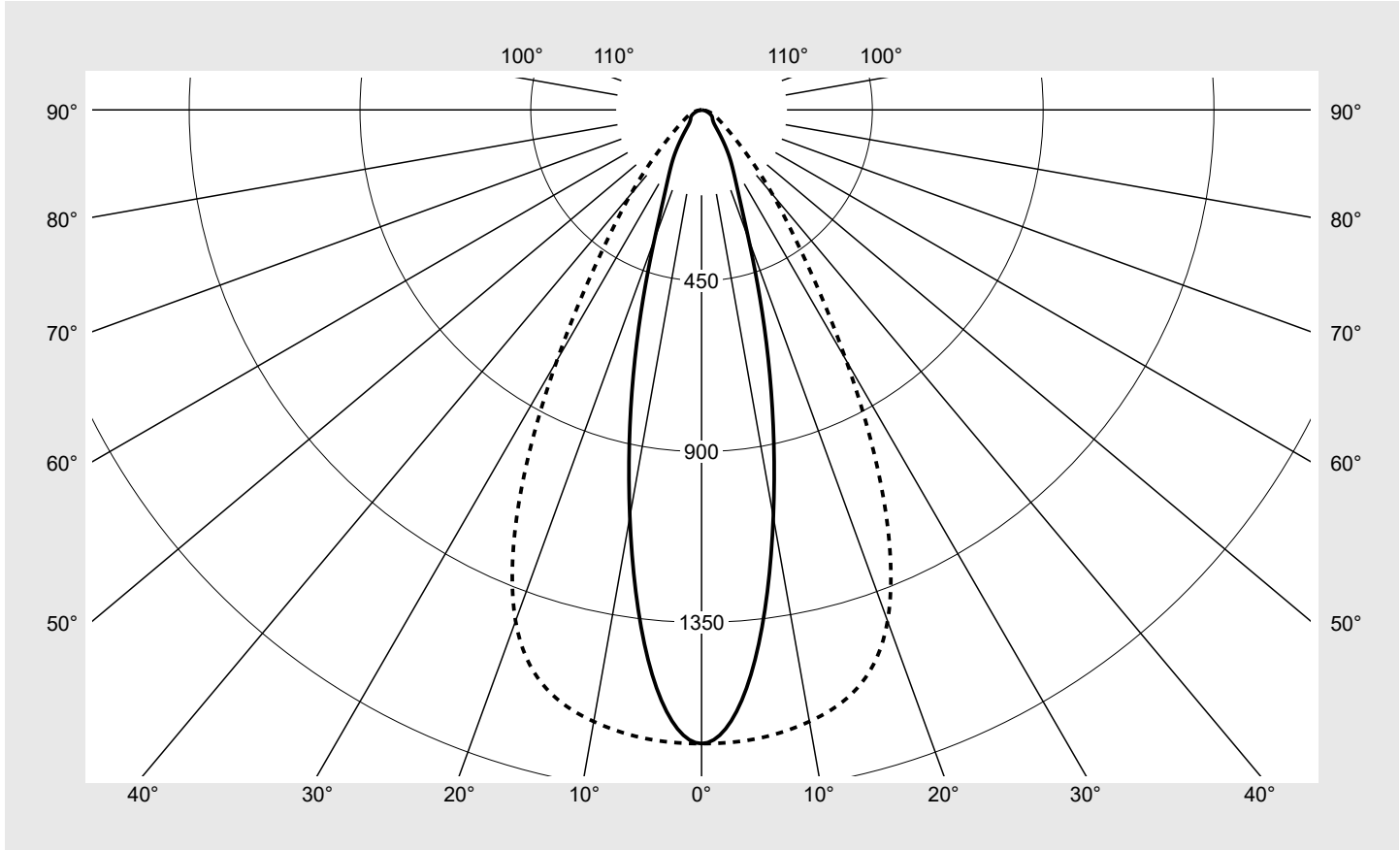


Photometric test report

Family Licross® 11 Recessed	Order number: 51TE1EDV4LXS EAN: 4058352965313	LP number 59263_188
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 20440 lm Power consumption = 111.8 W Luminous efficacy = 182.8 lm/W	serial documentation 14.09.2023
		

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°	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
	180°	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	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	19.1	19.5	22.1	23.1	22.5	23.4	23.8
	6H	18.0	18.9	18.4	19.3	19.7	22.3	23.2	22.7	23.5	23.9
	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	18.6	19.4	19.8	22.5	23.2	22.9	23.6	24.0
4H	2H	17.0	18.0	17.4	18.4	18.7	21.2	22.2	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	20.1	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	24.1
	8H	19.4	20.0	19.9	20.4	20.9	22.7	23.3	23.2	23.7	24.2
	12H	19.5	20.0	20.0	20.4	20.9	22.8	23.3	23.3	23.7	24.2
8H	4H	19.5	20.0	19.9	20.5	20.9	22.4	23.0	22.9	23.4	23.9
	6H	19.9	20.4	20.4	20.8	21.4	22.8	23.3	23.3	23.7	24.3
	8H	20.1	20.5	20.6	20.9	21.5	22.9	23.3	23.4	23.8	24.4
	12H	20.2	20.5	20.7	21.0	21.6	23.0	23.4	23.5	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	20.5	20.7	21.1	21.6	23.0	23.3	23.5	23.8	24.4

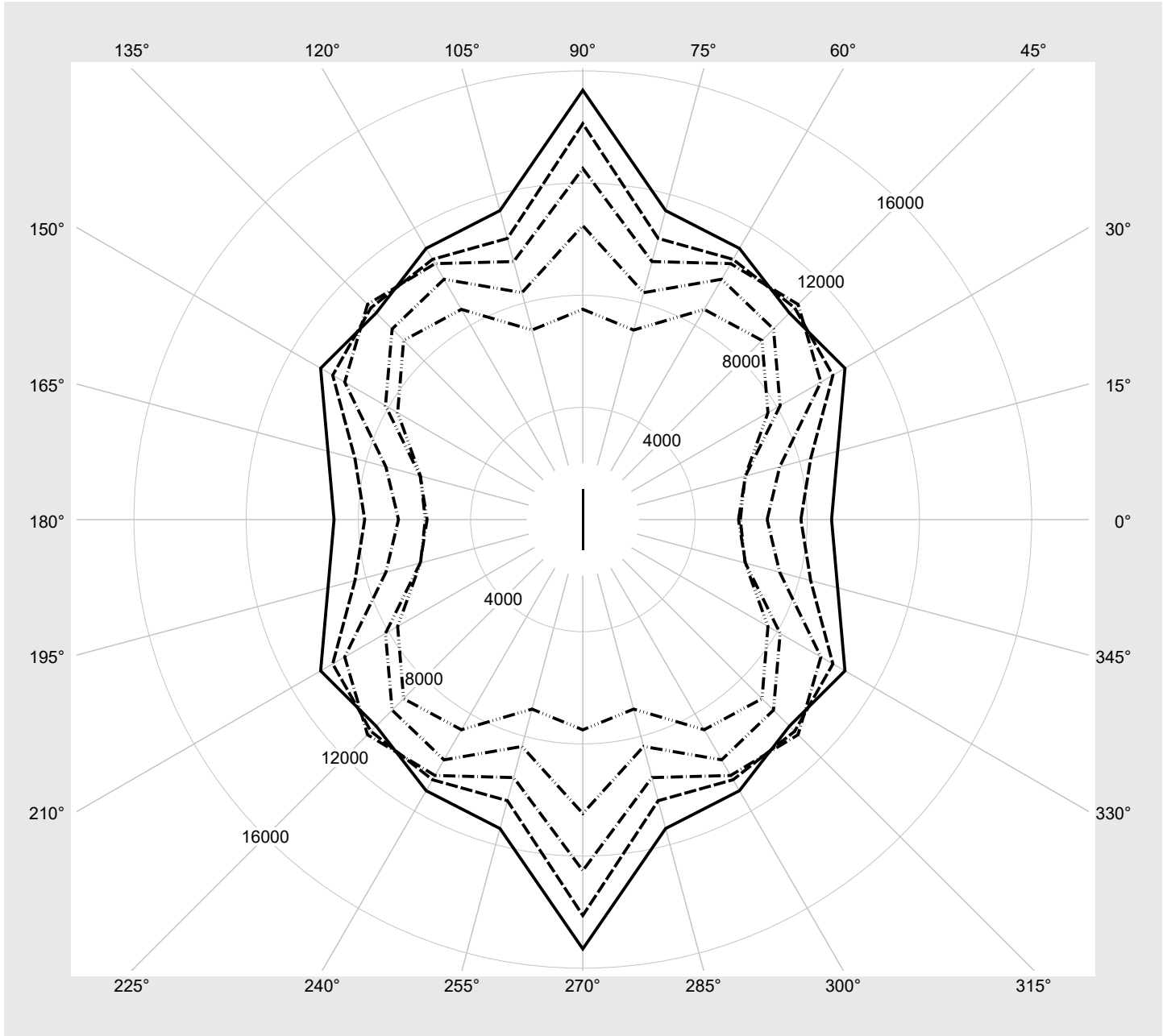
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250 B = 58
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C-planes	γ	Luminance in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°	45°	9633.1	10161.6	12881.0	19111.1	22047.4	32207.0	39193.3
50°	50°	9195.9	9498.3	10428.4	14872.4	16645.4	21767.1	26593.2
55°	55°	9438.0	9552.4	10027.2	11871.9	13794.8	16282.3	20130.7
60°	60°	9446.6	9757.0	10279.5	10721.8	12089.5	13150.8	16756.7
65°	65°	8868.1	9404.0	10791.2	10417.6	11166.6	11407.1	15311.6
70°	70°	7774.6	8409.3	10294.3	10680.3	10714.2	10380.4	14117.7
75°	75°	6570.3	7267.4	9800.0	10852.4	10539.0	9525.9	12520.3
80°	80°	5550.8	6002.7	8123.3	9612.5	9894.8	8377.7	10481.1
85°	85°	5616.0	5989.8	7621.5	9034.1	8654.9	6997.9	7499.3

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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	20440	111.8
95	240	252	19394	105.4
90	227	250	18414	99.6
85	213	248	17347	93.5
80	200	245	16351	87.8
75	187	243	15347	82.1
70	174	240	14337	76.4
65	161	237	13321	70.9
60	148	234	12291	65.2
55	135	231	11258	59.7
50	122	227	10211	54.1
45	109	223	9159	48.5
40	97	219	8177	43.3
35	85	214	7187	38.2
30	72	208	6109	32.7
25	60	201	5105	27.5
20	48	193	4091	22.3
15	36	182	3074	17.0
10	24	168	2049	11.6
5	12	142	1013	6.1
2	5	110	407	2.6