

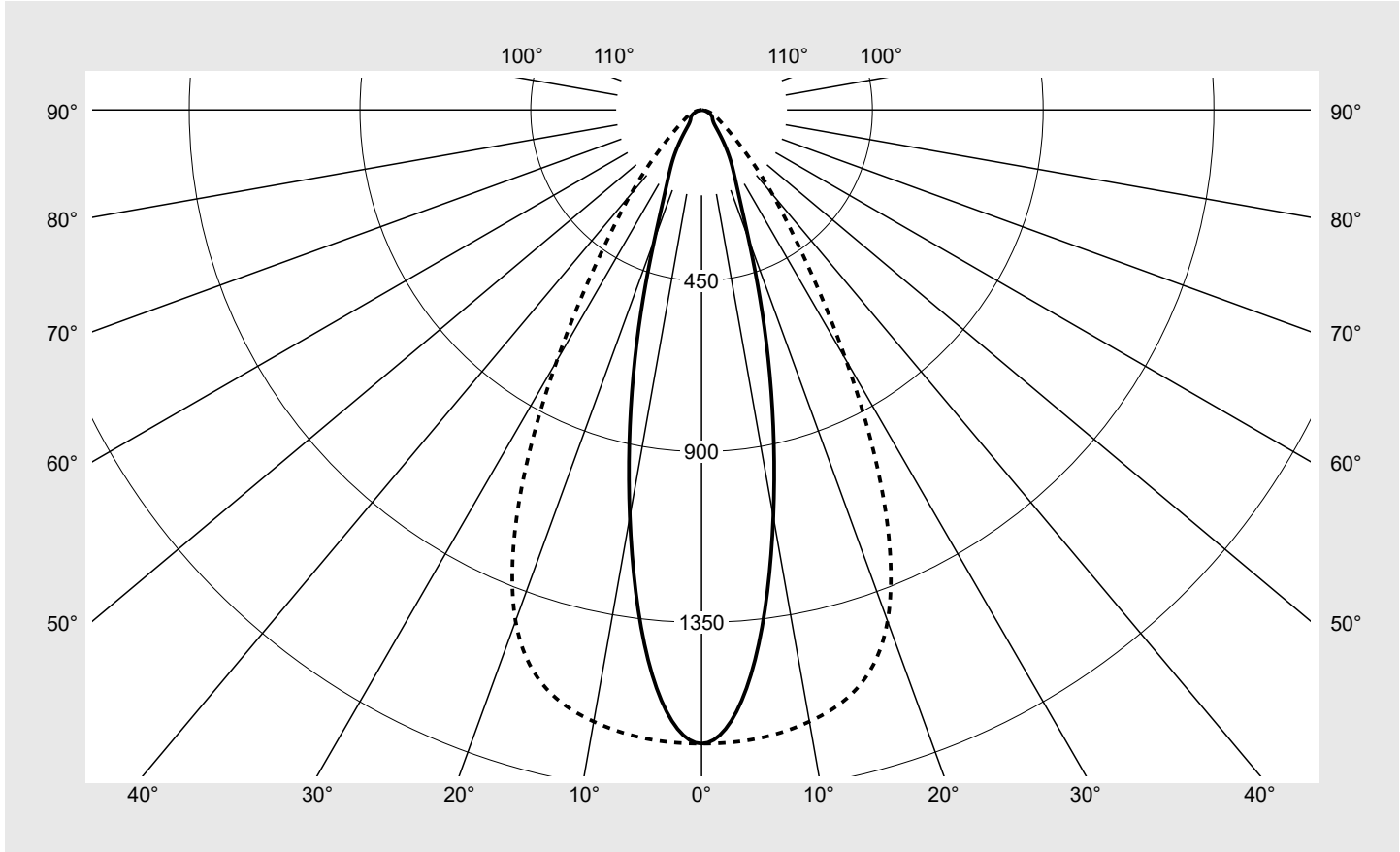


Photometric test report

Family Licross® 21 Recessed	Order number: 52TE1EDV4LXS EAN: 4058352890226	LP number 59263_78
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 20000 lm Power consumption = 112.9 W Luminous efficacy = 177.1 lm/W	serial documentation 02.08.2023
		

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	16.2	17.4	16.5	17.7	18.0	21.2	22.4	21.5	22.7	23.0
	3H	17.3	18.4	17.7	18.8	19.1	21.7	22.8	22.1	23.1	23.5
	4H	17.7	18.7	18.1	19.1	19.4	22.0	23.0	22.4	23.3	23.7
	6H	17.9	18.9	18.3	19.2	19.6	22.2	23.1	22.7	23.5	23.9
	8H	18.1	18.9	18.5	19.3	19.7	22.4	23.1	22.8	23.5	23.9
	12H	18.1	18.9	18.6	19.3	19.7	22.4	23.1	22.8	23.5	23.9
4H	2H	17.0	17.9	17.4	18.3	18.7	21.1	22.2	21.5	22.5	22.9
	3H	18.4	19.2	18.8	19.6	20.0	21.9	22.7	22.3	23.1	23.5
	4H	18.9	19.6	19.4	20.1	20.5	22.2	23.0	22.7	23.4	23.8
	6H	19.2	19.8	19.7	20.3	20.8	22.5	23.2	23.0	23.6	24.1
	8H	19.3	19.9	19.8	20.3	20.8	22.7	23.2	23.1	23.6	24.1
	12H	19.4	19.9	19.9	20.4	20.9	22.7	23.2	23.2	23.6	24.1
8H	4H	19.4	19.9	19.9	20.4	20.9	22.3	22.9	22.8	23.4	23.8
	6H	19.9	20.3	20.4	20.8	21.3	22.7	23.2	23.2	23.7	24.2
	8H	20.0	20.4	20.5	20.9	21.4	22.9	23.3	23.4	23.8	24.3
	12H	20.1	20.4	20.6	21.0	21.5	22.9	23.3	23.5	23.8	24.3
12H	4H	19.4	19.9	19.9	20.4	20.9	22.3	22.8	22.8	23.3	23.8
	6H	19.9	20.3	20.4	20.8	21.3	22.7	23.1	23.2	23.6	24.1
	8H	20.1	20.5	20.7	21.0	21.5	22.9	23.2	23.4	23.7	24.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250
			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°		9425.7	9942.8	12603.7	18699.7	21572.8	31513.7	38349.6	
50°		8997.9	9293.8	10203.9	14552.3	16287.1	21298.5	26020.8	
55°		9234.8	9346.7	9811.4	11616.3	13497.9	15931.8	19697.3	
60°		9243.2	9547.0	10058.2	10491.0	11829.3	12867.7	16396.0	
65°		8677.2	9201.5	10558.9	10193.3	10926.2	11161.6	14982.0	
70°		7607.3	8228.3	10072.7	10450.4	10483.6	10156.9	13813.8	
75°		6428.8	7111.0	9589.1	10618.8	10312.1	9320.9	12250.8	
80°		5431.3	5873.5	7948.4	9405.6	9681.8	8197.3	10255.5	
85°		5495.1	5860.8	7457.5	8839.6	8468.6	6847.3	7337.9	

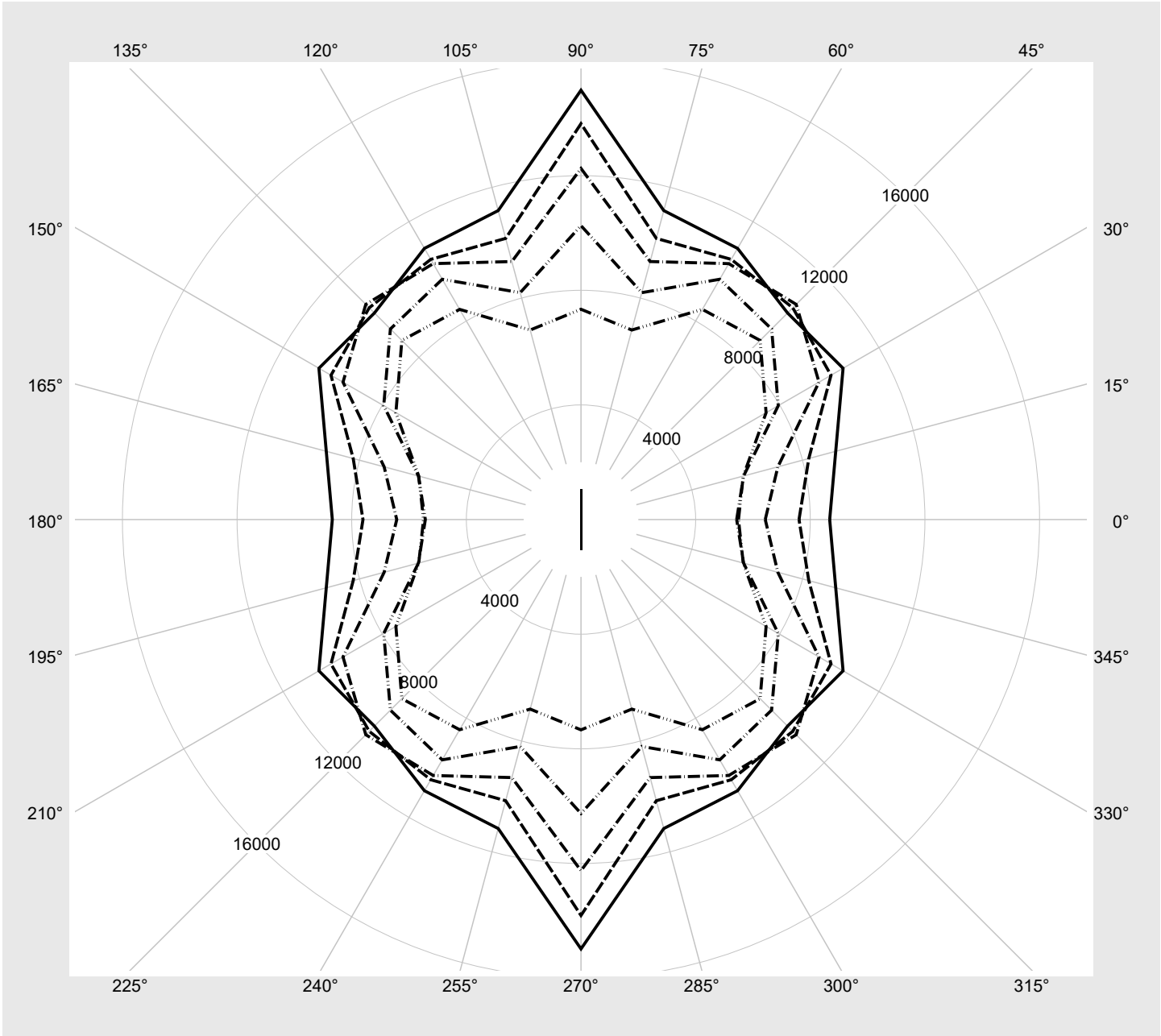
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Luminance values in cd/m²

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	20000	112.9
95	240	252	18984	106.8
90	227	250	18031	101.2
85	213	248	16993	95.1
80	200	245	16018	89.4
75	187	243	15035	83.7
70	173	240	13962	77.6
65	160	237	12963	71.9
60	148	234	12031	66.6
55	135	231	11009	61.1
50	122	227	9981	55.5
45	110	223	9027	50.3
40	97	219	7978	44.7
35	85	214	7008	39.6
30	73	208	6032	34.4
25	60	201	4963	28.7
20	48	193	3973	23.5
15	36	182	2978	18.2
10	24	168	1977	12.7
5	12	142	966	6.9
1	4	102	292	2.5