



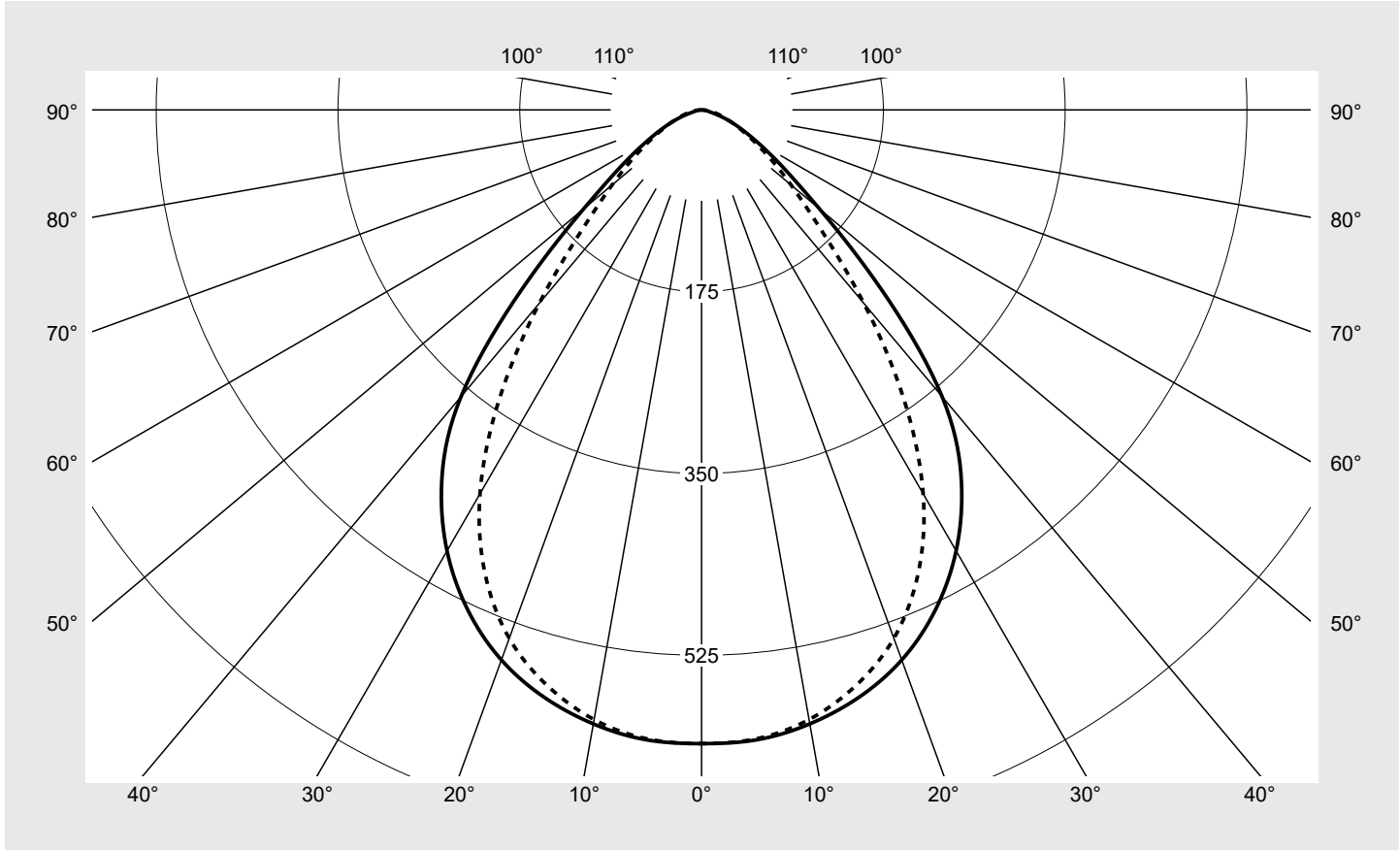
Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1WDV4M2M EAN: 4069025081094	LP number 59521_20
	Version cover frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 27420 lm Power consumption = 150.5 W Luminous efficacy = 182.2 lm/W	serial documentation 25.03.2024





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 610 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=73 N2=94 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°	610.0	610.0	610.0	610.0	610.0	610.0	610.0	3.6	3.6
5°	608.6	607.6	603.5	605.7	607.8	607.2	607.6	29.0	32.6
10°	600.1	600.0	594.9	595.9	596.5	595.2	595.9	56.8	89.4
15°	585.3	585.9	578.8	577.8	576.6	573.9	573.7	82.1	171.5
20°	563.4	563.9	554.9	550.2	546.3	542.2	541.3	103.4	275.0
25°	531.8	531.9	519.6	510.4	502.3	495.0	493.0	118.6	393.5
30°	490.1	489.9	473.2	457.8	443.0	430.6	426.6	125.7	519.3
35°	436.1	434.9	413.9	389.9	365.2	345.5	339.2	122.5	641.7
40°	360.2	357.4	334.2	303.1	273.1	250.6	243.1	106.9	748.6
45°	245.6	242.6	226.1	203.9	182.4	166.8	161.9	79.2	827.8
50°	148.2	149.1	145.2	133.7	122.4	114.2	112.6	55.6	883.4
55°	94.6	95.2	94.9	92.6	85.9	79.9	79.2	40.1	923.5
60°	61.8	62.8	63.1	63.8	60.6	55.1	54.9	28.8	952.3
65°	39.8	41.1	42.4	42.8	42.4	38.1	37.8	20.3	972.6
70°	23.6	24.8	26.8	28.2	28.2	26.4	25.7	13.6	986.2
75°	10.5	11.2	13.0	16.6	16.9	18.1	17.0	7.9	994.2
80°	5.4	5.5	5.6	6.4	8.9	11.0	9.8	4.1	998.2
85°	2.7	2.8	2.9	2.9	2.8	4.7	4.7	1.8	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	24.5	26.0	24.9	26.3	26.6	23.2	24.7	23.6	25.0	25.3
	3H	24.8	26.0	25.2	26.4	26.7	23.7	24.9	24.0	25.3	25.6
	4H	24.8	26.0	25.2	26.3	26.7	23.8	25.0	24.2	25.4	25.7
	6H	24.8	25.8	25.2	26.2	26.6	24.0	25.0	24.4	25.4	25.8
	8H	24.9	25.8	25.3	26.2	26.6	24.1	25.0	24.5	25.4	25.8
	12H	24.8	25.7	25.3	26.1	26.5	24.1	25.0	24.5	25.4	25.8
4H	2H	24.7	25.8	25.0	26.2	26.6	23.5	24.7	23.9	25.0	25.4
	3H	25.0	26.0	25.4	26.4	26.8	24.1	25.0	24.5	25.4	25.9
	4H	25.0	25.9	25.5	26.3	26.8	24.3	25.2	24.8	25.6	26.0
	6H	25.1	25.8	25.5	26.2	26.7	24.5	25.3	25.0	25.7	26.2
	8H	25.0	25.7	25.5	26.2	26.6	24.6	25.3	25.1	25.7	26.2
	12H	25.1	25.6	25.6	26.1	26.6	24.7	25.3	25.2	25.7	26.2
8H	4H	25.1	25.7	25.5	26.2	26.7	24.4	25.0	24.8	25.5	26.0
	6H	25.1	25.6	25.6	26.1	26.6	24.6	25.2	25.1	25.6	26.2
	8H	25.1	25.5	25.6	26.0	26.6	24.7	25.2	25.2	25.7	26.2
	12H	25.1	25.5	25.6	26.0	26.5	24.8	25.2	25.4	25.7	26.3
12H	4H	25.1	25.6	25.6	26.1	26.6	24.4	24.9	24.9	25.4	25.9
	6H	25.1	25.5	25.6	26.0	26.5	24.6	25.1	25.1	25.6	26.1
	8H	25.1	25.5	25.6	26.0	26.5	24.7	25.1	25.3	25.6	26.2

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°		72989.2	72101.6	67176.7	60598.2	54193.7	49575.2	48102.8
50°		48428.4	48742.2	47455.9	43703.3	40006.9	37316.7	36803.5
55°		34641.1	34870.4	34774.1	33911.4	31457.0	29262.3	29011.4
60°		25955.9	26371.5	26534.2	26822.0	25448.7	23166.9	23076.5
65°		19806.4	20409.5	21067.3	21291.5	21099.6	18923.9	18805.1
70°		14471.3	15215.8	16453.7	17302.7	17316.9	16198.2	15802.5
75°		8559.0	9057.5	10574.8	13494.1	13736.0	14677.7	13836.7
80°		6590.9	6662.3	6783.3	7803.3	10750.9	13358.4	11862.9
85°		6608.0	6735.8	6878.0	7003.4	6665.9	11212.6	11212.6

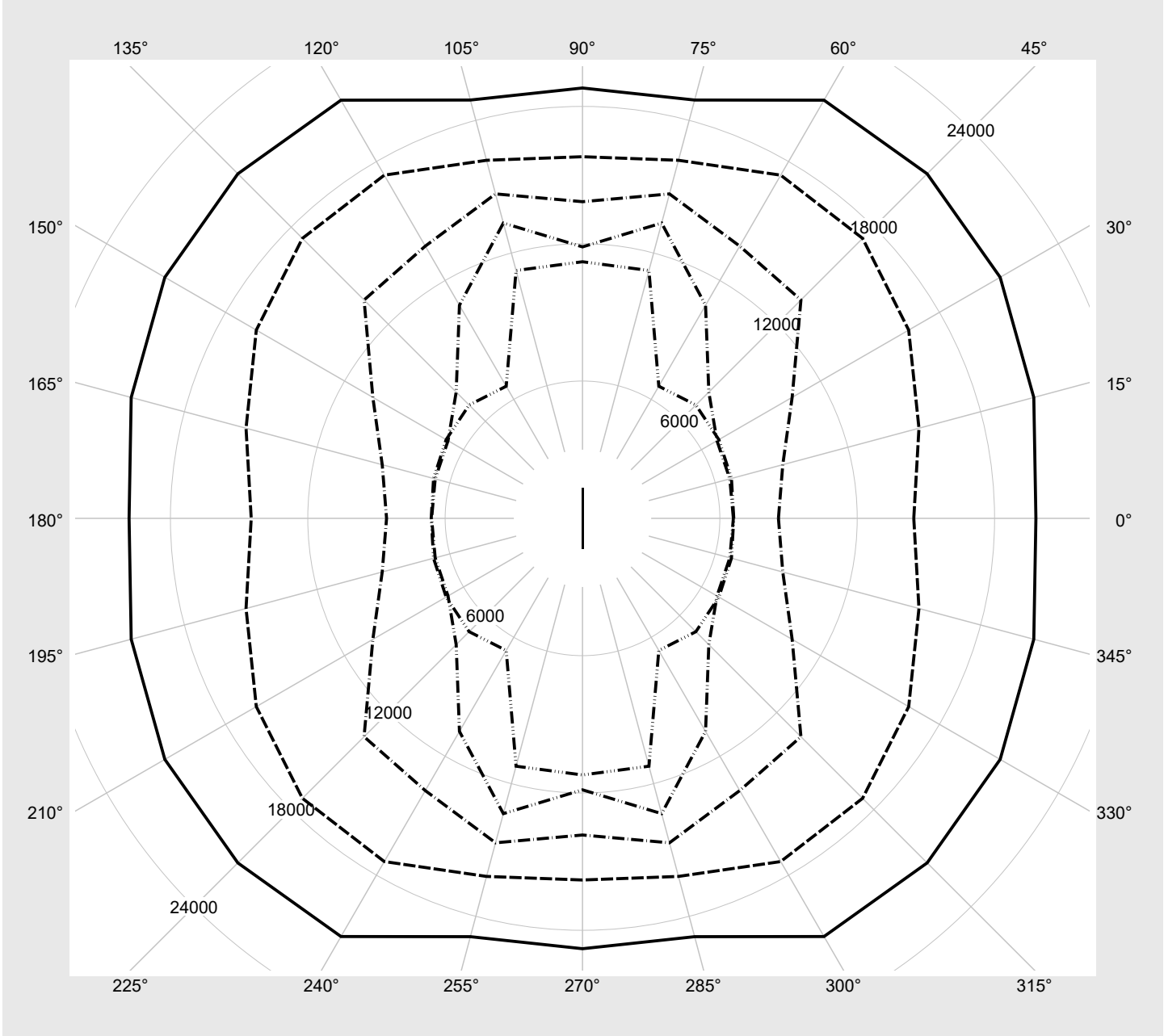
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Luminance values in cd/m²

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	27420	150.5
95	240	252	26025	141.7
90	226	250	24669	133.0
85	212	247	23276	124.4
80	199	245	21962	116.4
75	185	242	20529	107.9
70	172	240	19183	100.2
65	159	237	17822	92.6
60	146	234	16447	85.0
55	133	230	15061	77.5
50	120	227	13661	70.1
45	108	223	12356	63.2
40	95	218	10926	55.8
35	83	213	9589	49.0
30	71	207	8237	42.2
25	59	201	6872	35.3
20	47	192	5497	28.6
15	35	181	4105	21.7
10	23	166	2700	14.6
5	12	142	1403	7.9
2	4	102	450	2.8