

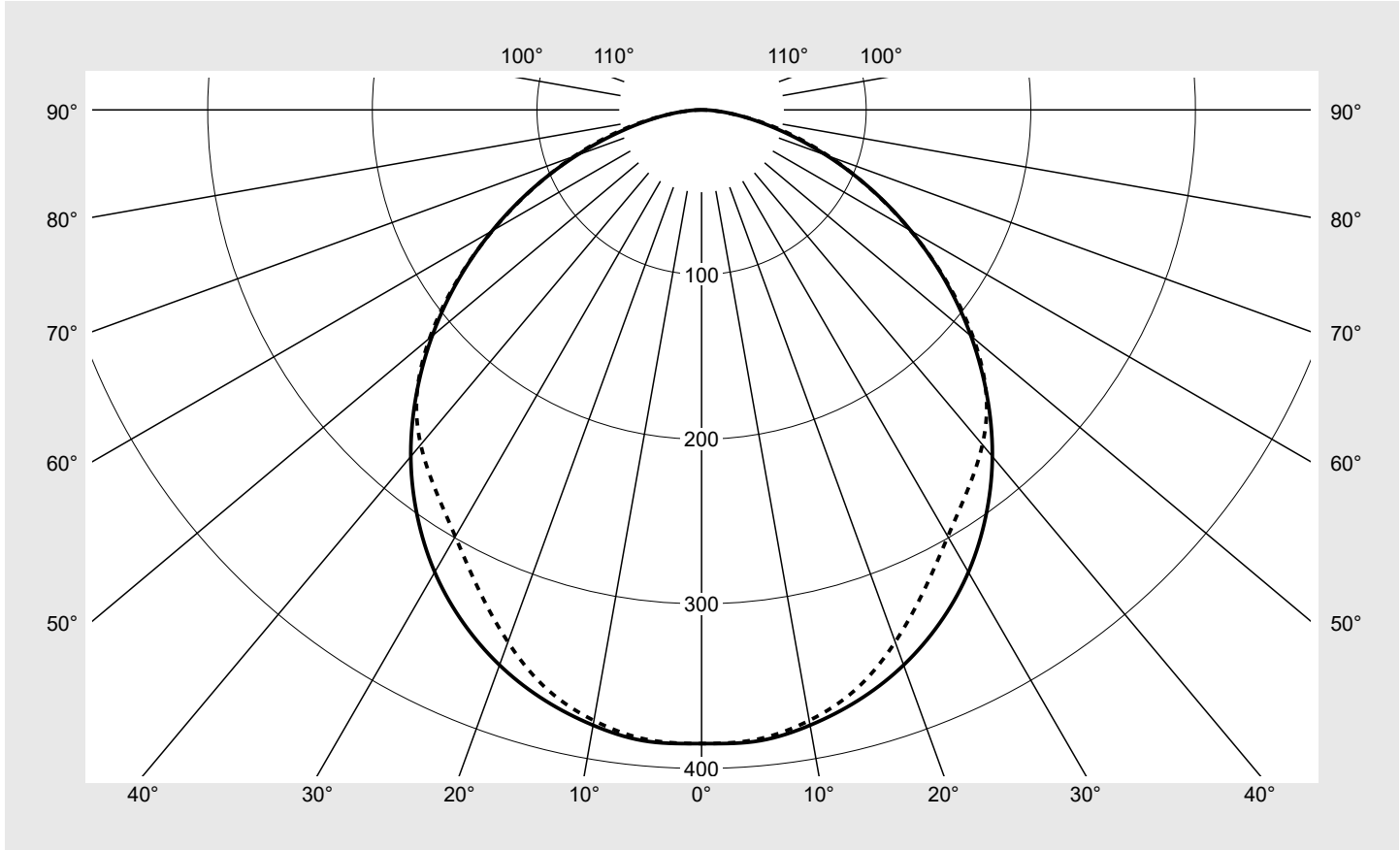


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL10DN4AXG EAN: 4058352890325	LP number 58684_65
	Version cover frosted Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 10000 lm Power consumption = 58.0 W Luminous efficacy = 172.4 lm/W	serial documentation 03.08.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 385 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=50 N2=81 N3=96 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°	384.9	384.9	384.9	384.9	384.9	384.9	384.9	2.3	2.3
5°	384.9	383.5	380.9	382.4	383.7	383.9	383.8	18.3	20.6
10°	379.5	378.4	375.4	376.4	377.1	376.9	376.6	35.9	56.5
15°	370.8	369.9	366.1	365.8	365.5	363.9	363.9	52.0	108.5
20°	358.8	358.1	353.2	350.6	348.2	345.1	343.9	65.8	174.3
25°	343.3	342.7	336.1	331.0	326.3	322.1	320.9	76.8	251.1
30°	324.2	323.3	314.8	307.4	302.4	299.4	299.2	84.9	336.1
35°	301.1	299.6	289.7	281.8	279.3	280.0	281.8	90.2	426.3
40°	274.8	272.4	262.0	255.7	258.0	262.5	265.4	92.8	519.1
45°	245.2	241.9	231.9	229.2	235.1	240.6	244.6	92.0	611.1
50°	213.6	209.5	202.3	202.7	208.5	212.2	215.6	87.5	698.5
55°	180.7	176.6	172.5	174.4	178.1	179.3	181.7	79.5	778.0
60°	146.9	143.9	142.8	145.1	146.4	145.5	146.6	68.9	846.9
65°	113.3	112.0	113.5	115.8	115.6	113.0	112.9	56.5	903.4
70°	80.7	81.0	84.0	87.4	86.4	83.3	82.2	43.2	946.6
75°	51.4	52.0	55.5	60.1	59.2	56.0	54.4	29.6	976.3
80°	28.6	28.8	31.3	34.2	34.2	31.5	29.9	17.0	993.3
85°	11.6	11.6	12.6	13.6	13.2	11.7	10.4	6.7	1000.0
90°	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	24.7	26.3	25.0	26.6	27.0	24.7	26.4	25.1	26.7	27.0
	3H	26.0	27.5	26.4	27.8	28.2	26.1	27.6	26.5	27.9	28.3
	4H	26.5	27.9	26.9	28.2	28.6	26.6	28.0	27.0	28.3	28.7
	6H	26.8	28.1	27.2	28.4	28.8	26.9	28.2	27.3	28.6	29.0
	8H	26.9	28.1	27.3	28.5	28.9	27.1	28.3	27.5	28.7	29.1
	12H	27.0	28.1	27.4	28.5	28.9	27.1	28.3	27.5	28.6	29.1
4H	2H	25.4	26.8	25.8	27.1	27.5	25.4	26.8	25.8	27.2	27.5
	3H	26.9	28.1	27.3	28.5	28.9	27.0	28.2	27.4	28.6	29.0
	4H	27.5	28.5	27.9	28.9	29.4	27.6	28.7	28.1	29.1	29.5
	6H	27.9	28.8	28.3	29.2	29.7	28.1	29.0	28.5	29.4	29.9
	8H	28.0	28.9	28.5	29.3	29.8	28.2	29.1	28.7	29.5	30.0
	12H	28.1	28.9	28.6	29.3	29.8	28.3	29.0	28.8	29.5	30.0
8H	4H	27.8	28.6	28.3	29.1	29.6	27.9	28.8	28.4	29.2	29.7
	6H	28.3	29.0	28.8	29.5	30.0	28.5	29.2	29.0	29.7	30.2
	8H	28.5	29.1	29.0	29.6	30.1	28.7	29.3	29.2	29.8	30.3
	12H	28.6	29.1	29.1	29.6	30.2	28.8	29.3	29.3	29.8	30.4
12H	4H	27.8	28.6	28.3	29.1	29.5	28.0	28.7	28.4	29.2	29.7
	6H	28.4	29.0	28.9	29.5	30.0	28.6	29.2	29.1	29.7	30.2
	8H	28.6	29.1	29.1	29.6	30.1	28.8	29.3	29.3	29.8	30.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	270°
Luminance in cd/m²								
45°		39854.5	39315.8	37694.2	37250.4	38215.0	39114.7	39759.7
50°		38204.1	37468.4	36172.9	36238.0	37279.6	37943.7	38555.7
55°		36203.8	35386.6	34576.8	34941.5	35685.8	35926.4	36408.2
60°		33764.1	33086.0	32834.9	33362.3	33646.9	33437.5	33697.0
65°		30816.1	30469.6	30855.8	31489.5	31430.2	30737.0	30717.1
70°		27136.6	27222.3	28224.5	29362.4	29028.7	27978.8	27636.0
75°		22827.8	23080.1	24653.5	26710.2	26288.3	24873.4	24169.9
80°		18904.0	19084.7	20730.9	22656.5	22644.5	20856.0	19791.0
85°		15316.7	15283.8	16551.2	17976.8	17368.8	15494.8	13742.1

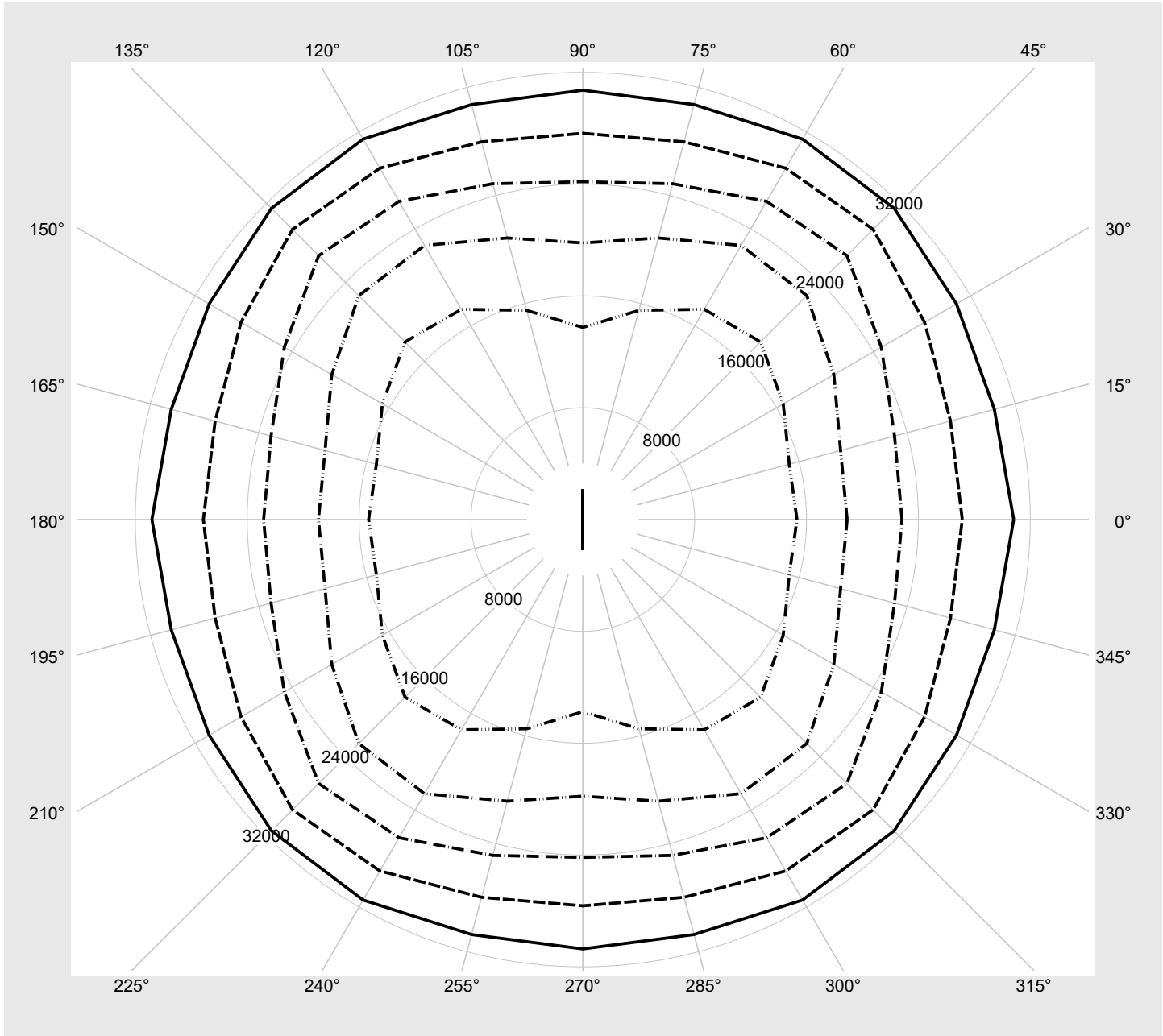
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Luminance values in cd/m²

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	10000	58.0
95	240	252	9497	54.8
90	226	250	8987	51.5
85	213	248	8507	48.7
80	199	245	7987	45.5
75	186	243	7496	42.6
70	173	240	7002	39.6
65	160	237	6505	36.8
60	147	234	6002	33.9
55	134	231	5493	31.0
50	122	227	5019	28.4
45	109	223	4501	25.5
40	97	219	4020	22.9
35	84	213	3493	20.1
30	72	208	3002	17.5
25	60	201	2507	15.0
20	48	193	2009	12.3
15	36	182	1508	9.7
10	24	168	1003	7.2
5	12	142	495	4.6
2	4	102	154	3.0