
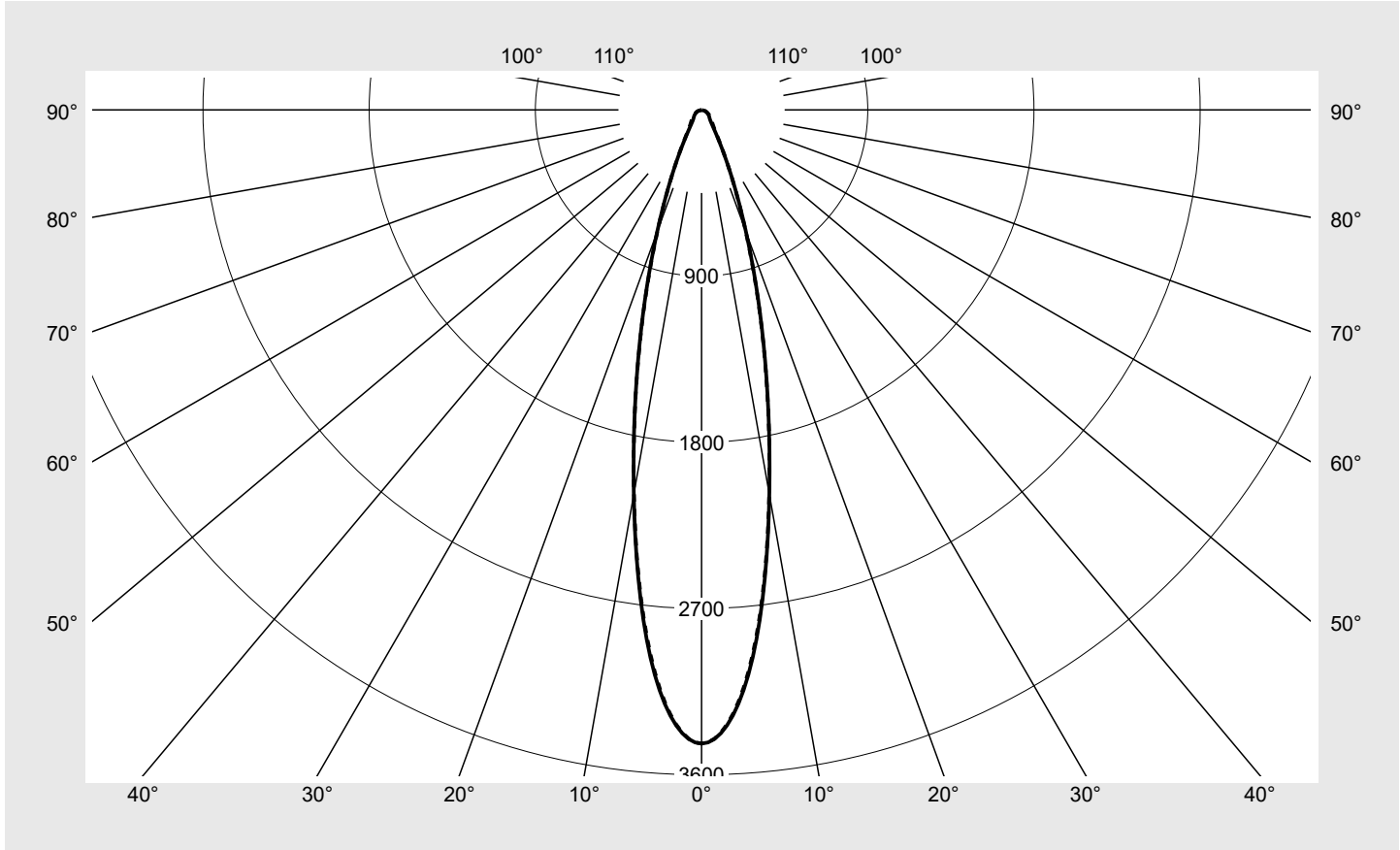


Photometric test report

Family Licross® 21 Recessed	Order number: 52TE11DV4LXS EAN: 4058352889466	LP number 58784_244
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 20000 lm Power consumption = 110.1 W Luminous efficacy = 181.7 lm/W	serial documentation 02.08.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 3431 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 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
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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°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	20.5	20.5
5°	3030.0	3009.9	2995.2	3008.4	3015.8	3015.7	3017.5	143.9	164.4
10°	2113.5	2098.5	2092.1	2104.8	2111.9	2109.7	2109.2	200.3	364.7
15°	1287.2	1281.7	1283.9	1294.7	1294.7	1286.2	1283.2	182.7	547.4
20°	703.4	705.4	717.6	726.5	719.3	702.5	697.3	133.5	680.9
25°	354.0	358.8	370.9	376.0	367.5	355.6	354.0	84.3	765.2
30°	176.2	179.2	185.6	185.7	179.6	178.8	183.6	49.7	814.9
35°	102.4	102.6	103.9	102.5	99.6	107.7	116.7	32.8	847.7
40°	73.1	72.4	71.7	70.6	70.7	80.9	90.2	26.3	874.0
45°	60.7	58.7	57.0	56.9	57.9	66.7	75.5	23.6	897.6
50°	52.7	51.5	51.2	50.6	50.0	56.0	63.2	22.2	919.8
55°	44.8	43.4	45.4	45.0	43.0	46.3	51.7	20.3	940.1
60°	37.3	36.1	38.2	39.8	37.2	38.0	41.8	18.1	958.2
65°	29.8	28.9	31.0	34.0	31.7	30.7	33.0	15.5	973.8
70°	21.9	21.7	22.9	26.9	25.3	23.3	24.3	12.3	986.1
75°	12.2	12.7	14.5	18.5	17.7	15.7	16.0	8.2	994.3
80°	5.5	5.6	6.4	9.0	10.0	8.8	8.6	4.2	998.5
85°	2.2	2.1	2.4	3.2	3.5	3.4	3.0	1.6	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	17.0	18.1	17.4	18.4	18.8	17.4	18.5	17.7	18.8	19.1
	3H	18.4	19.3	18.7	19.7	20.0	18.8	19.8	19.2	20.1	20.5
	4H	18.7	19.6	19.1	20.0	20.4	19.3	20.2	19.7	20.6	20.9
	6H	18.9	19.7	19.3	20.1	20.5	19.6	20.5	20.1	20.8	21.2
	8H	19.0	19.7	19.4	20.1	20.5	19.8	20.5	20.2	20.9	21.3
	12H	19.0	19.6	19.4	20.0	20.4	19.8	20.5	20.3	20.9	21.3
4H	2H	17.7	18.7	18.1	19.0	19.4	18.0	19.0	18.4	19.3	19.7
	3H	19.2	20.0	19.7	20.4	20.8	19.6	20.4	20.1	20.8	21.2
	4H	19.7	20.3	20.1	20.8	21.2	20.2	20.9	20.7	21.3	21.8
	6H	19.8	20.4	20.3	20.9	21.3	20.6	21.2	21.1	21.7	22.1
	8H	19.9	20.4	20.4	20.9	21.3	20.8	21.3	21.3	21.7	22.2
	12H	19.9	20.4	20.4	20.8	21.3	20.8	21.3	21.3	21.7	22.2
8H	4H	20.0	20.5	20.5	21.0	21.4	20.5	21.0	21.0	21.5	22.0
	6H	20.3	20.7	20.8	21.1	21.7	21.1	21.5	21.6	21.9	22.5
	8H	20.3	20.7	20.8	21.1	21.7	21.2	21.6	21.7	22.1	22.6
	12H	20.3	20.6	20.8	21.1	21.7	21.3	21.6	21.8	22.1	22.7
12H	4H	20.0	20.4	20.5	20.9	21.4	20.5	20.9	21.0	21.4	21.9
	6H	20.3	20.6	20.8	21.1	21.7	21.0	21.4	21.6	21.9	22.4
	8H	20.3	20.6	20.9	21.2	21.7	21.2	21.5	21.7	22.0	22.6

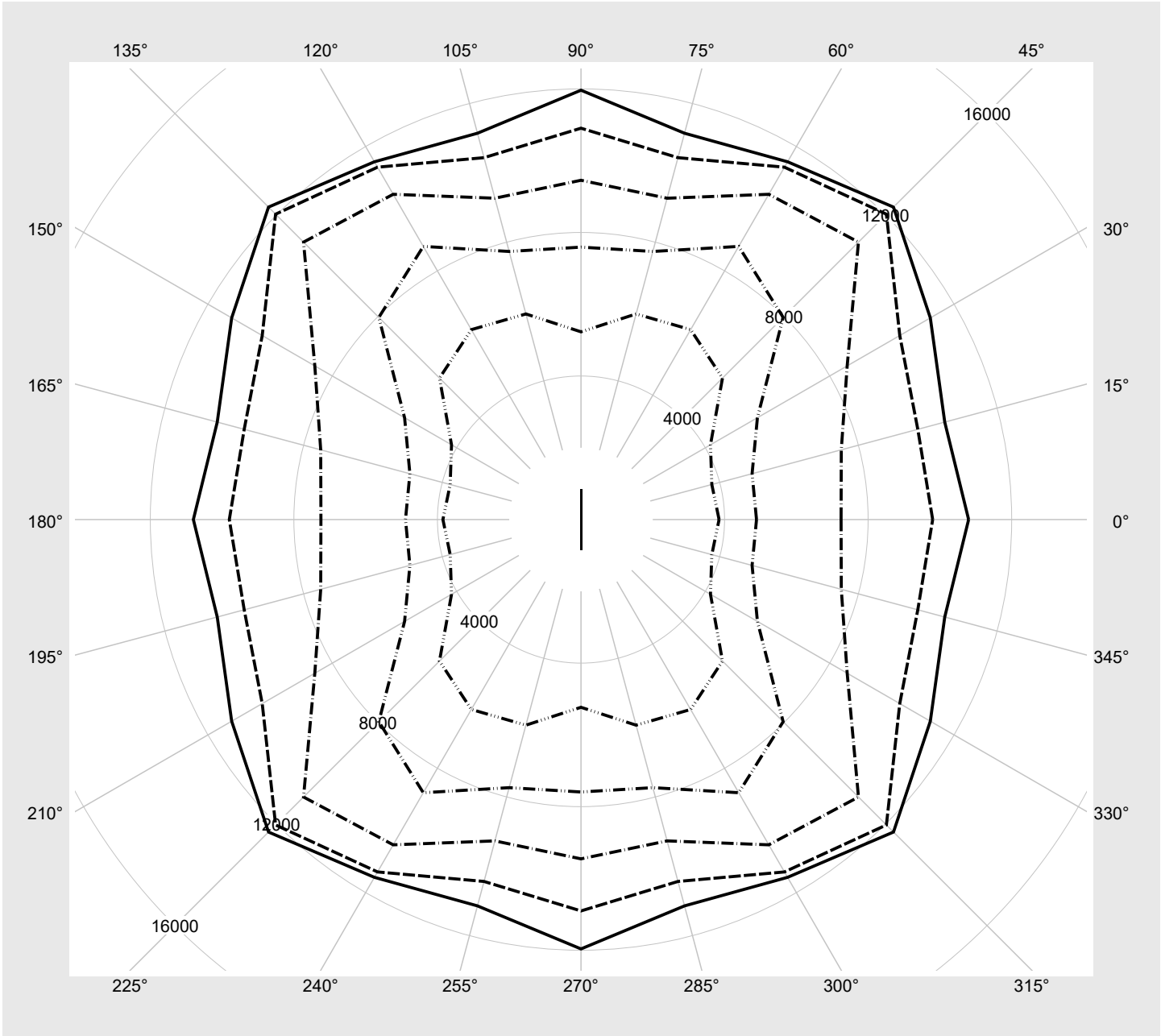
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250
			B = 58

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°		13159.2	12727.5	12361.4	12328.5	12548.0	14451.0	16372.1	
50°		12576.0	12285.3	12218.3	12070.7	11913.6	13354.9	15071.8	
55°		11982.1	11607.2	12138.1	12029.1	11495.3	12381.8	13808.4	
60°		11432.0	11058.7	11698.4	12193.7	11412.7	11647.8	12824.2	
65°		10800.4	10492.5	11238.8	12313.3	11511.5	11144.5	11963.7	
70°		9798.9	9715.1	10255.9	12034.0	11337.6	10439.7	10905.2	
75°		7246.6	7508.3	8564.1	10933.2	10465.5	9269.9	9454.1	
80°		4890.3	4935.3	5675.8	7966.1	8788.6	7734.0	7591.0	
85°		3847.4	3773.6	4165.7	5576.0	6110.5	5931.2	5231.3	

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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	20000	110.1
95	240	252	18984	104.2
90	227	250	18029	98.7
85	213	248	16986	92.7
80	200	245	16009	87.1
75	187	243	15025	81.6
70	174	240	14027	76.1
65	161	237	13028	70.5
60	148	234	12019	65.0
55	135	231	10996	59.5
50	122	227	9969	54.1
45	110	223	9014	49.0
40	97	219	7966	43.6
35	85	214	6996	38.6
30	73	208	6021	33.6
25	61	202	5034	28.5
20	48	193	3965	23.0
15	36	182	2971	17.8
10	24	168	1972	12.4
5	12	142	962	6.8
2	5	110	374	3.0