

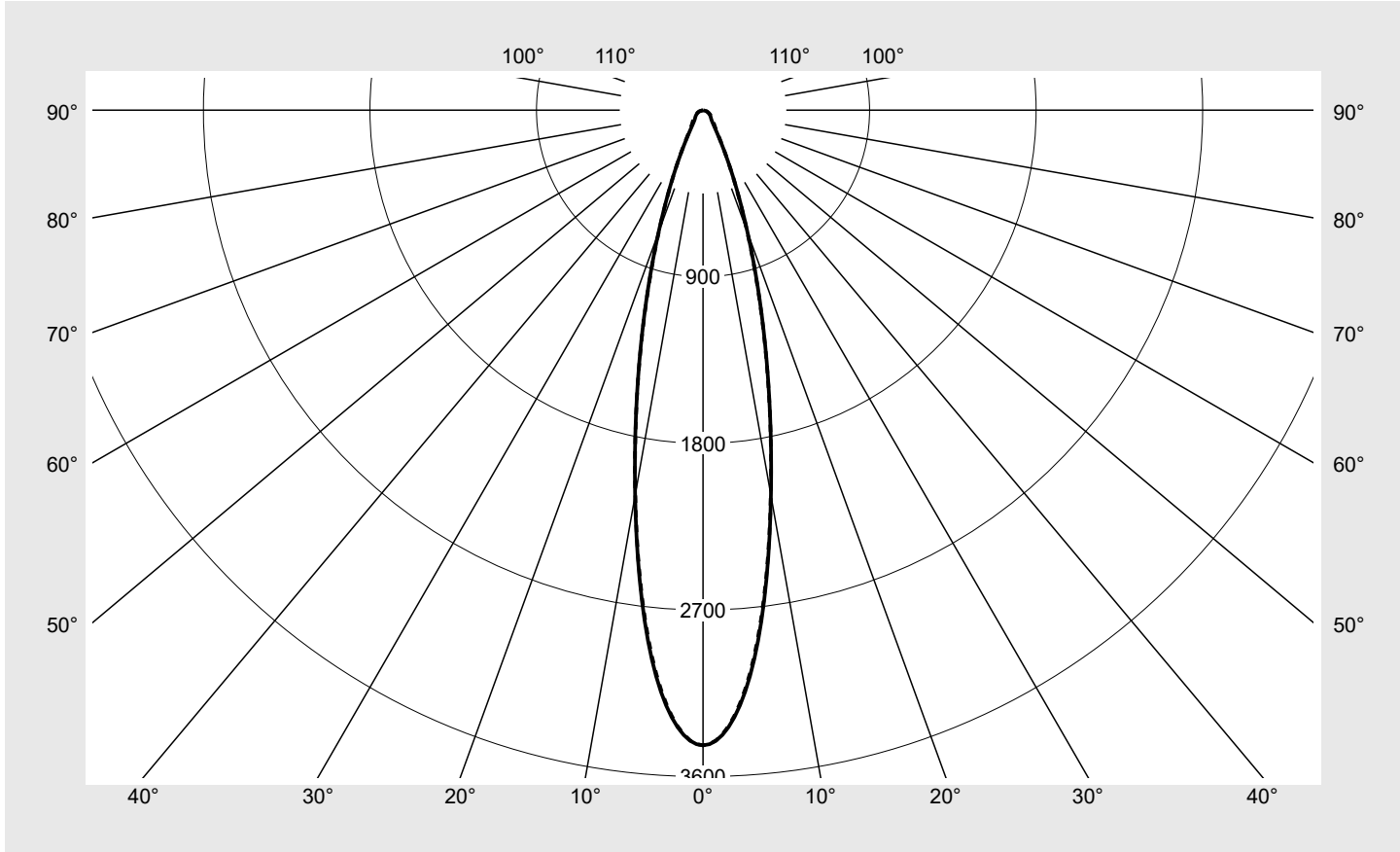


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL11DE47XS EAN: 4058352890462	LP number 58784_241
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 7480 lm Power consumption = 44.1 W Luminous efficacy = 169.6 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	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°			
γ	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	17.4	18.5	17.8	18.8	19.2	17.8	18.9	18.1	19.2	19.5
	3H	18.8	19.7	19.1	20.1	20.4	19.2	20.2	19.6	20.5	20.9
	4H	19.1	20.0	19.5	20.4	20.8	19.7	20.6	20.1	21.0	21.3
	6H	19.3	20.1	19.7	20.5	20.9	20.0	20.9	20.5	21.2	21.6
	8H	19.4	20.1	19.8	20.5	20.9	20.2	20.9	20.6	21.3	21.7
	12H	19.4	20.0	19.8	20.4	20.8	20.2	20.9	20.7	21.3	21.7
4H	2H	18.1	19.1	18.5	19.4	19.8	18.4	19.4	18.8	19.7	20.1
	3H	19.6	20.4	20.1	20.8	21.2	20.0	20.8	20.5	21.2	21.6
	4H	20.1	20.7	20.5	21.2	21.6	20.6	21.3	21.1	21.7	22.2
	6H	20.2	20.8	20.7	21.3	21.7	21.0	21.6	21.5	22.1	22.5
	8H	20.3	20.8	20.8	21.3	21.7	21.2	21.7	21.7	22.1	22.6
	12H	20.3	20.8	20.8	21.2	21.7	21.2	21.7	21.7	22.1	22.6
8H	4H	20.4	20.9	20.9	21.4	21.8	20.9	21.4	21.4	21.9	22.4
	6H	20.7	21.1	21.2	21.5	22.1	21.5	21.9	22.0	22.3	22.9
	8H	20.7	21.1	21.2	21.5	22.1	21.6	22.0	22.1	22.5	23.0
	12H	20.7	21.0	21.2	21.5	22.1	21.7	22.0	22.2	22.5	23.1
12H	4H	20.4	20.8	20.9	21.3	21.8	20.9	21.3	21.4	21.8	22.3
	6H	20.7	21.0	21.2	21.5	22.1	21.4	21.8	22.0	22.3	22.8
	8H	20.7	21.0	21.3	21.6	22.1	21.6	21.9	22.1	22.4	23.0

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 750
			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°		14764.7	14280.2	13869.5	13832.5	14078.9	16214.0	18369.6	
50°		14110.2	13784.1	13709.0	13543.4	13367.1	14984.2	16910.6	
55°		13443.9	13023.3	13619.0	13496.7	12897.7	13892.4	15493.0	
60°		12826.7	12407.9	13125.6	13681.3	12805.1	13068.8	14388.8	
65°		12118.0	11772.6	12610.0	13815.5	12915.9	12504.2	13423.3	
70°		10994.4	10900.3	11507.2	13502.1	12720.8	11713.3	12235.7	
75°		8130.7	8424.3	9608.9	12267.1	11742.2	10400.9	10607.5	
80°		5486.9	5537.4	6368.3	8937.9	9860.8	8677.5	8517.1	
85°		4316.8	4234.0	4673.9	6256.2	6856.0	6654.8	5869.5	

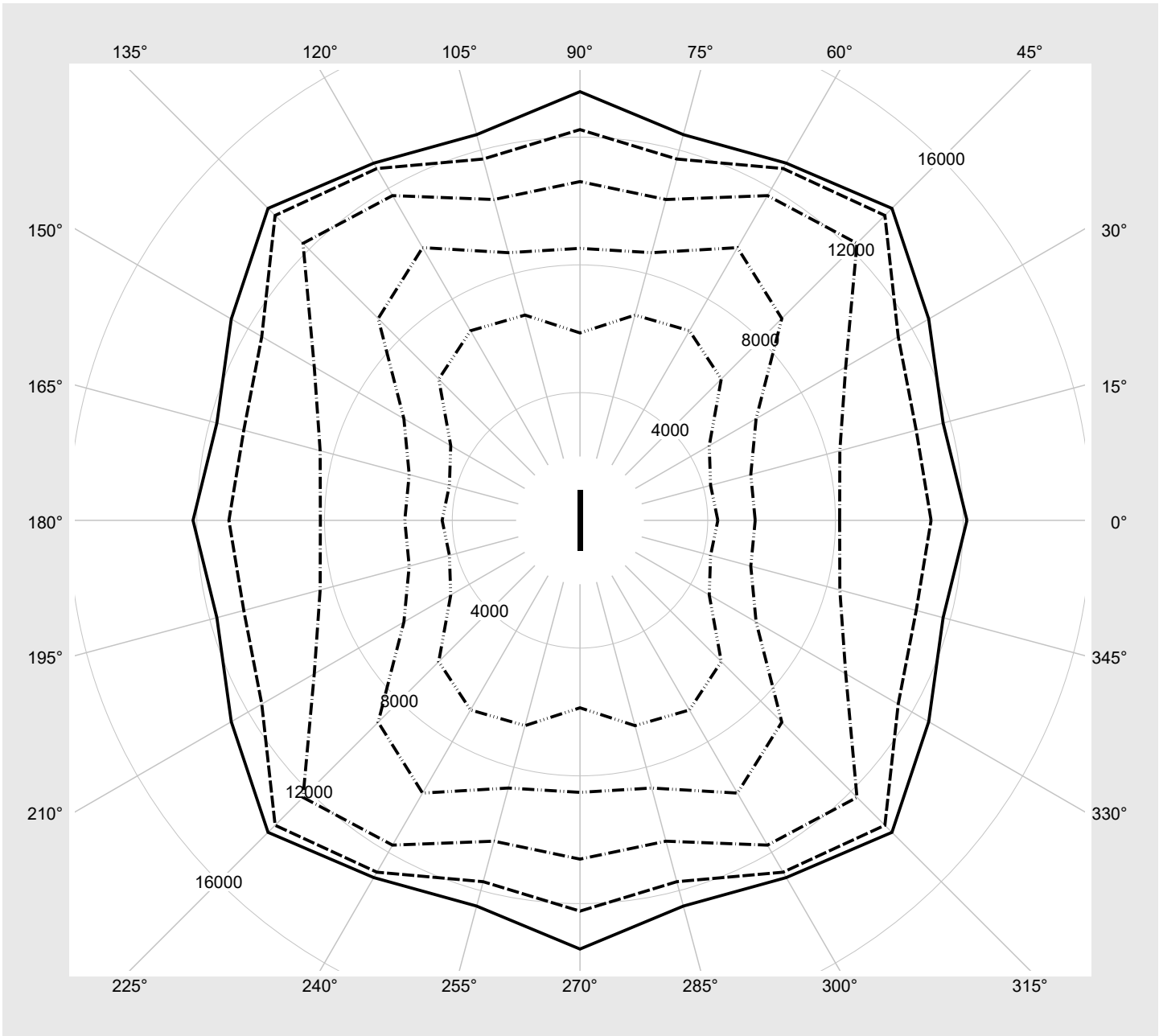
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Luminance values in cd/m²

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	7480	44.1
95	240	252	7104	41.8
90	226	250	6724	39.4
85	213	248	6367	37.3
80	199	245	5979	34.9
75	186	243	5611	32.7
70	173	240	5242	30.5
65	160	237	4867	28.2
60	147	234	4491	26.0
55	134	231	4110	23.7
50	122	227	3754	21.5
45	109	223	3366	19.3
40	97	219	3006	17.6
35	84	213	2609	15.9
30	72	208	2242	14.2
25	60	201	1873	12.4
20	48	193	1499	10.3
15	36	182	1124	7.6
10	24	168	747	4.4
5	12	142	366	1.5
1	4	102	111	0.3