

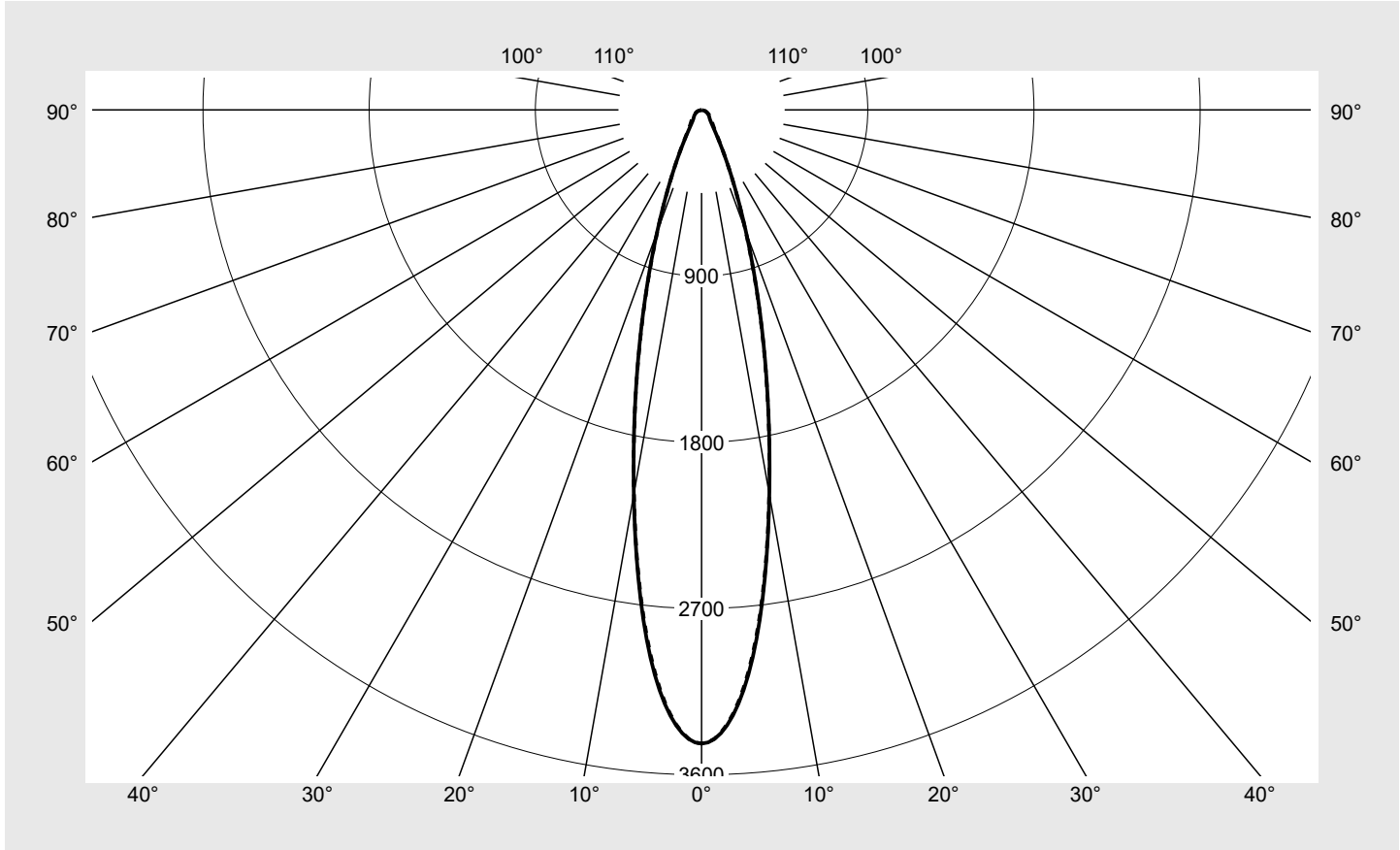


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL11DE47XS EAN: 4058352929506	LP number 58784_297
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 7000 lm Power consumption = 40.2 W Luminous efficacy = 174.1 lm/W	serial documentation 21.09.2023
		

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
		siteco

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	17.2	18.3	17.5	18.6	18.9	17.6	18.7	17.9	19.0	19.3
	3H	18.5	19.5	18.9	19.8	20.2	19.0	19.9	19.4	20.3	20.6
	4H	18.9	19.8	19.3	20.2	20.5	19.5	20.4	19.9	20.7	21.1
	6H	19.1	19.9	19.5	20.2	20.6	19.8	20.6	20.2	21.0	21.4
	8H	19.2	19.9	19.6	20.2	20.6	20.0	20.7	20.4	21.1	21.5
	12H	19.1	19.8	19.6	20.2	20.6	20.0	20.6	20.4	21.0	21.5
4H	2H	17.9	18.8	18.3	19.2	19.6	18.2	19.1	18.6	19.5	19.9
	3H	19.4	20.1	19.8	20.5	21.0	19.8	20.6	20.2	21.0	21.4
	4H	19.8	20.5	20.3	20.9	21.4	20.4	21.1	20.9	21.5	22.0
	6H	20.0	20.6	20.5	21.0	21.5	20.8	21.4	21.3	21.8	22.3
	8H	20.1	20.6	20.6	21.0	21.5	21.0	21.5	21.4	21.9	22.4
	12H	20.1	20.5	20.6	21.0	21.5	21.0	21.4	21.5	21.9	22.4
8H	4H	20.2	20.7	20.7	21.1	21.6	20.7	21.2	21.2	21.7	22.1
	6H	20.4	20.8	20.9	21.3	21.8	21.2	21.6	21.8	22.1	22.6
	8H	20.5	20.8	21.0	21.3	21.8	21.4	21.7	21.9	22.2	22.8
	12H	20.5	20.8	21.0	21.3	21.8	21.5	21.8	22.0	22.3	22.8
12H	4H	20.2	20.6	20.7	21.1	21.6	20.7	21.1	21.2	21.6	22.1
	6H	20.4	20.8	21.0	21.3	21.8	21.2	21.6	21.7	22.1	22.6
	8H	20.5	20.8	21.0	21.3	21.9	21.4	21.7	21.9	22.2	22.8

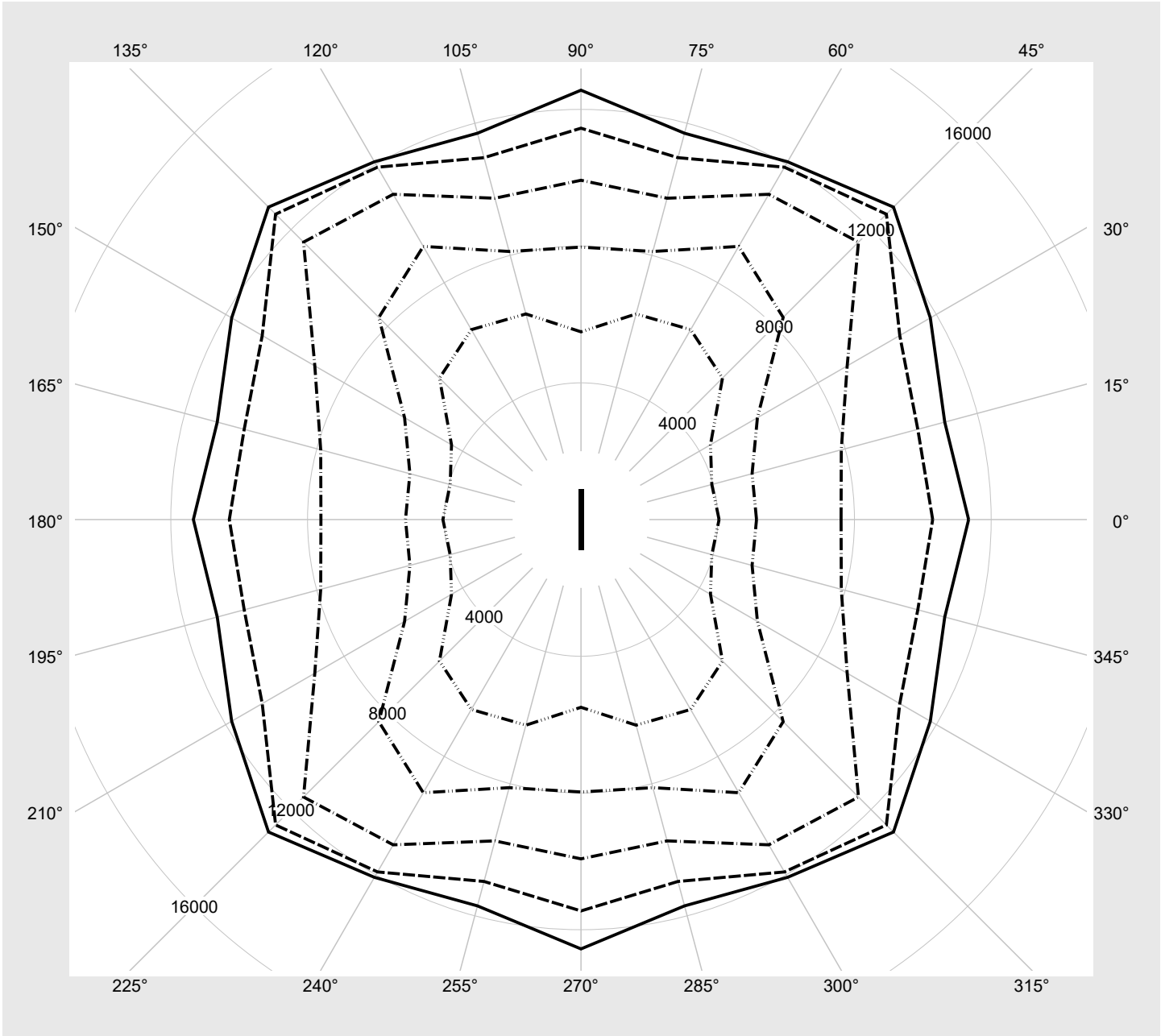
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 750 B = 58
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C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
			Luminance in cd/m²					
45°		13817.2	13363.9	12979.5	12944.9	13175.4	15173.5	17190.8
50°		13204.8	12899.6	12829.2	12674.3	12509.3	14022.7	15825.4
55°		12581.2	12187.6	12745.0	12630.6	12070.0	13000.9	14498.8
60°		12003.6	11611.6	12283.3	12803.4	11983.4	12230.2	13465.4
65°		11340.4	11017.1	11800.8	12929.0	12087.1	11701.8	12561.9
70°		10288.8	10200.9	10768.7	12635.7	11904.5	10961.6	11450.5
75°		7608.9	7883.7	8992.3	11479.9	10988.7	9733.4	9926.8
80°		5134.8	5182.1	5959.6	8364.4	9228.1	8120.7	7970.5
85°		4039.8	3962.3	4374.0	5854.8	6416.0	6227.7	5492.9

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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	7000	40.2
95	240	252	6642	38.0
90	227	250	6307	36.1
85	213	248	5941	33.9
80	200	245	5600	31.9
75	187	243	5256	29.9
70	174	240	4910	27.8
65	161	237	4563	25.8
60	148	234	4210	23.7
55	135	231	3856	21.6
50	122	227	3498	19.4
45	109	223	3137	17.4
40	97	219	2801	15.4
35	85	214	2462	14.0
30	72	208	2092	12.5
25	60	201	1749	10.8
20	48	193	1401	9.1
15	36	182	1053	6.5
10	24	168	702	3.6
8	20	161	584	2.8