

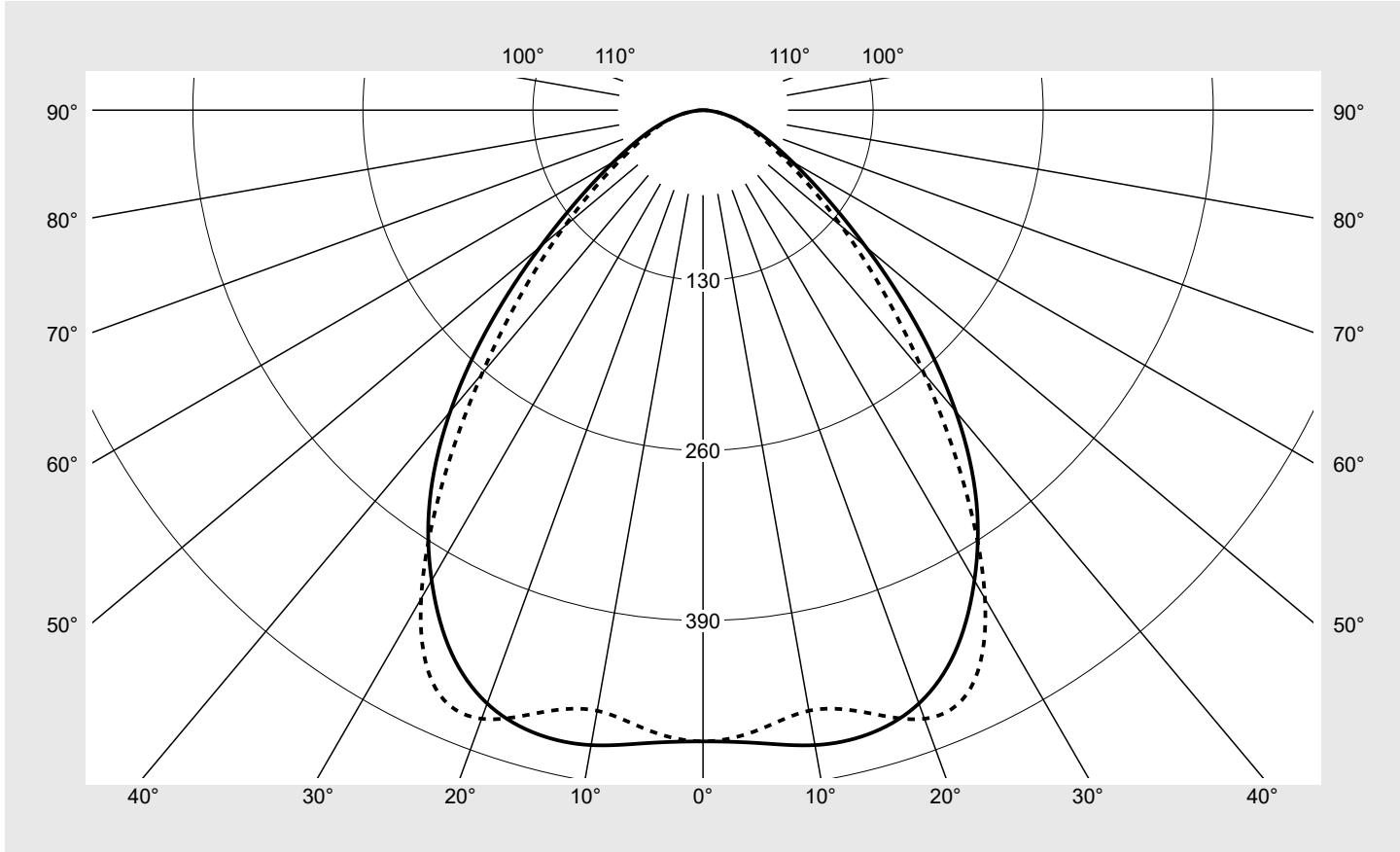


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DN49XFE EAN: 4058352447215	LP number 58637_37
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9140 lm Power consumption = 55.4 W Luminous efficacy = 165 lm/W	serial documentation 05.10.2020 

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 498 cd/klm**




Classifications	
DIN 5040	A 5 0
CIE	N1=67 N2=92 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
		

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°				
Luminous intensity in cd/klm								Luminous flux in lm/klm		
γ										
0°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	2.9	2.9	
5°	485.4	482.8	478.2	477.5	477.4	475.9	475.7	22.9	25.8	
10°	492.7	488.2	477.9	471.3	467.6	465.9	466.0	45.2	71.0	
15°	493.2	486.1	471.9	467.9	471.0	473.7	476.3	67.5	138.5	
20°	482.5	473.5	462.5	471.9	487.1	492.8	494.9	89.9	228.4	
25°	456.4	447.1	449.2	479.4	497.6	491.1	485.8	109.5	337.8	
30°	414.9	406.8	427.0	475.1	479.0	447.1	431.1	121.4	459.2	
35°	364.2	358.0	387.7	436.7	420.7	368.9	346.8	122.0	581.2	
40°	300.5	296.3	322.5	357.9	336.0	284.8	262.9	110.4	691.6	
45°	229.2	226.3	238.5	259.8	247.2	211.8	193.4	90.1	781.7	
50°	162.3	159.3	161.6	173.6	174.5	155.2	138.5	68.2	849.9	
55°	112.5	108.0	105.1	112.3	121.6	110.9	97.2	49.6	899.5	
60°	78.7	73.1	68.3	73.1	83.7	77.4	68.5	35.5	935.0	
65°	56.0	50.2	45.0	48.4	56.8	54.5	49.6	25.5	960.5	
70°	39.5	34.5	29.5	32.1	37.8	38.5	36.6	18.1	978.6	
75°	26.0	22.0	18.4	20.2	23.9	25.9	25.8	12.0	990.6	
80°	14.9	12.2	9.9	10.8	13.0	14.8	15.3	6.8	997.4	
85°	5.4	4.3	3.6	4.0	4.7	5.6	5.8	2.5	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	22.3	23.8	22.7	24.1	24.4	22.4	23.9	22.8	24.2	24.5
	3H	22.8	24.2	23.2	24.5	24.8	23.0	24.3	23.3	24.6	25.0
	4H	23.1	24.3	23.5	24.6	25.0	23.2	24.4	23.6	24.8	25.2
	6H	23.2	24.4	23.6	24.7	25.1	23.4	24.5	23.8	24.9	25.3
	8H	23.3	24.4	23.8	24.7	25.1	23.5	24.5	23.9	24.9	25.3
	12H	23.4	24.3	23.8	24.7	25.1	23.5	24.5	24.0	24.9	25.3
4H	2H	22.5	23.8	22.9	24.1	24.5	22.6	23.9	23.0	24.2	24.6
	3H	23.1	24.2	23.6	24.6	25.0	23.3	24.4	23.8	24.8	25.2
	4H	23.4	24.3	23.9	24.7	25.2	23.7	24.6	24.1	25.0	25.4
	6H	23.6	24.4	24.1	24.9	25.3	24.0	24.7	24.4	25.2	25.6
	8H	23.7	24.4	24.2	24.9	25.4	24.1	24.8	24.5	25.2	25.7
	12H	23.8	24.4	24.3	24.9	25.4	24.1	24.7	24.6	25.2	25.7
8H	4H	23.5	24.2	24.0	24.6	25.1	23.7	24.4	24.2	24.9	25.4
	6H	23.8	24.3	24.2	24.8	25.3	24.1	24.7	24.6	25.1	25.6
	8H	23.8	24.4	24.3	24.8	25.4	24.2	24.7	24.7	25.2	25.7
	12H	23.9	24.3	24.4	24.8	25.4	24.3	24.7	24.8	25.2	25.8
12H	4H	23.5	24.1	24.0	24.6	25.1	23.7	24.4	24.2	24.8	25.3
	6H	23.8	24.3	24.3	24.8	25.3	24.1	24.6	24.6	25.1	25.6
	8H	23.9	24.3	24.4	24.8	25.3	24.2	24.6	24.7	25.1	25.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			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°		34046.1	33623.0	35436.0	38597.5	36722.2	31473.9	28727.2	
50°		26526.5	26042.6	26412.3	28379.5	28525.6	25371.7	22637.8	
55°		20602.4	19778.9	19252.2	20577.0	22280.2	20321.1	17799.5	
60°		16538.1	15368.0	14355.9	15366.3	17577.2	16255.8	14382.4	
65°		13929.3	12468.9	11193.6	12040.6	14121.7	13547.8	12339.9	
70°		12128.8	10591.7	9066.7	9859.2	11605.7	11831.2	11252.2	
75°		10539.5	8939.8	7482.2	8197.4	9688.3	10523.6	10466.8	
80°		8991.5	7367.7	5977.4	6544.9	7837.2	8979.4	9268.6	
85°		6448.9	5217.0	4322.6	4803.5	5685.9	6708.0	6987.7	

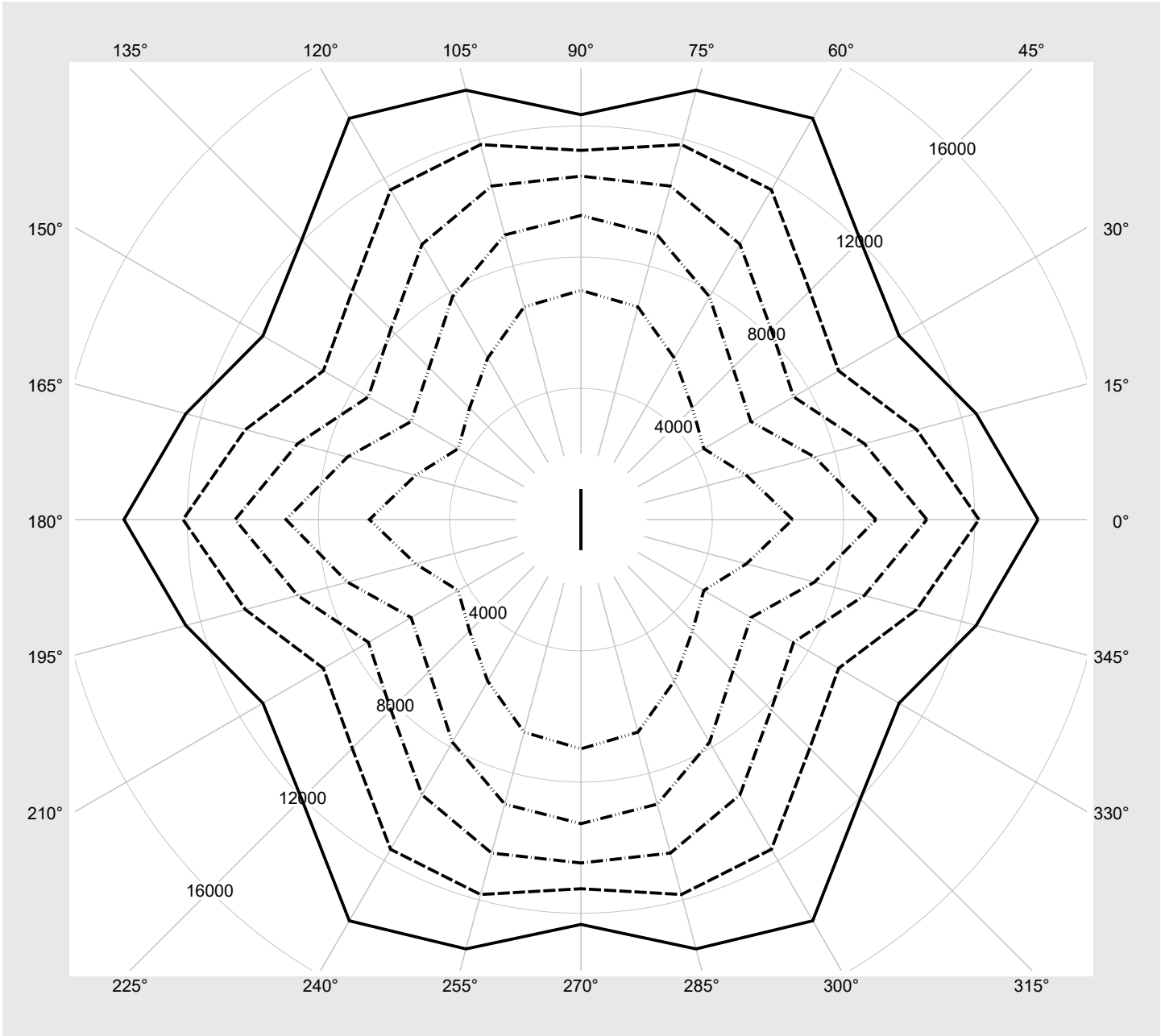
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Luminance values in cd/m²

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	9140	55.4
95	241	252	8695	52.5
90	226	250	8224	49.3
85	213	248	7774	46.3
80	199	245	7314	43.4
75	186	243	6865	40.5
70	173	240	6391	37.7
65	160	237	5942	35.0
60	147	234	5492	32.2
55	134	231	5018	29.4
50	121	227	4569	26.9
45	109	223	4131	24.4
40	96	218	3657	21.7
35	84	213	3193	19.2
30	72	208	2755	16.7
25	60	201	2292	14.1
20	47	192	1817	11.5
15	35	181	1353	9.2
10	24	168	927	7.1
5	13	145	476	4.9