
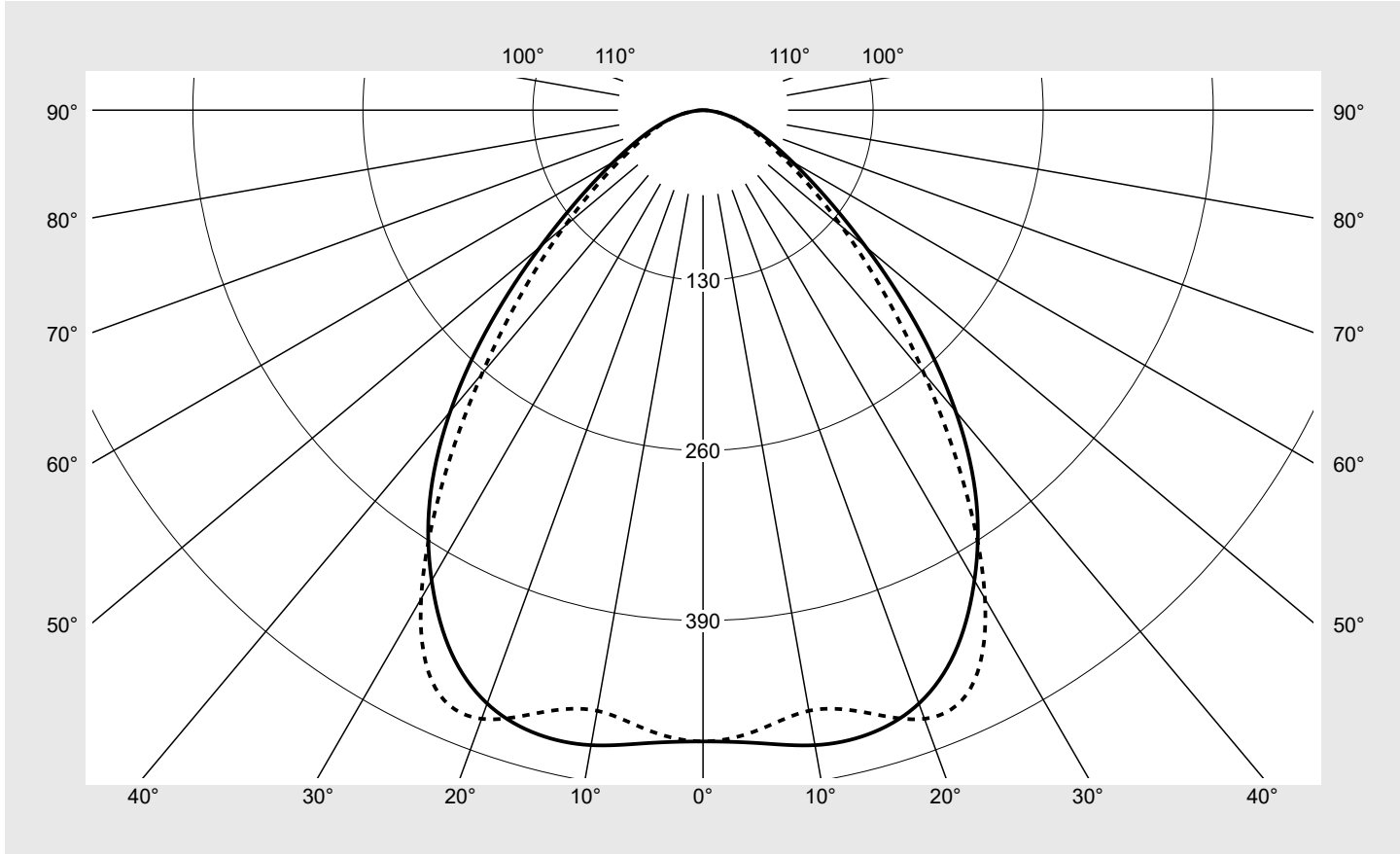


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DN395G EAN: 4069025012807	LP number 58637_226
	Version cover frosted, wide distribution, high visual comfort Lamps LED 3000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9840 lm Power consumption = 56.7 W Luminous efficacy = 173.5 lm/W	serial documentation 22.01.2024



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
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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°	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	22.6	24.1	22.9	24.4	24.7	22.7	24.2	23.0	24.5	24.8
	3H	23.1	24.4	23.5	24.7	25.1	23.2	24.5	23.6	24.9	25.2
	4H	23.3	24.5	23.7	24.9	25.3	23.5	24.7	23.9	25.0	25.4
	6H	23.5	24.6	23.9	25.0	25.4	23.6	24.8	24.1	25.1	25.5
	8H	23.6	24.6	24.0	25.0	25.4	23.8	24.8	24.2	25.2	25.6
	12H	23.6	24.6	24.0	25.0	25.4	23.8	24.7	24.2	25.1	25.6
4H	2H	22.8	24.0	23.2	24.4	24.7	22.9	24.1	23.3	24.5	24.8
	3H	23.4	24.4	23.8	24.8	25.2	23.6	24.6	24.0	25.0	25.4
	4H	23.7	24.6	24.1	25.0	25.4	23.9	24.8	24.4	25.3	25.7
	6H	23.9	24.7	24.4	25.1	25.6	24.2	25.0	24.7	25.4	25.9
	8H	24.0	24.7	24.5	25.1	25.6	24.3	25.0	24.8	25.5	25.9
	12H	24.1	24.7	24.5	25.1	25.6	24.4	25.0	24.9	25.5	26.0
8H	4H	23.7	24.5	24.2	24.9	25.4	24.0	24.7	24.5	25.1	25.6
	6H	24.0	24.6	24.5	25.1	25.6	24.3	24.9	24.8	25.4	25.9
	8H	24.1	24.6	24.6	25.1	25.6	24.5	25.0	25.0	25.5	26.0
	12H	24.2	24.6	24.7	25.1	25.6	24.6	25.0	25.1	25.5	26.0
12H	4H	23.8	24.4	24.3	24.8	25.3	24.0	24.6	24.5	25.1	25.6
	6H	24.0	24.5	24.5	25.0	25.5	24.3	24.8	24.8	25.3	25.8
	8H	24.1	24.6	24.6	25.1	25.6	24.5	24.9	25.0	25.4	25.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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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°		36653.6	36198.0	38149.9	41553.6	39534.6	33884.3	30927.3
50°		28558.1	28037.1	28435.1	30552.9	30710.3	27314.8	24371.6
55°		22180.3	21293.7	20726.6	22152.9	23986.6	21877.4	19162.7
60°		17804.7	16545.0	15455.4	16543.2	18923.3	17500.7	15483.9
65°		14996.1	13423.8	12050.9	12962.7	15203.3	14585.3	13284.9
70°		13057.7	11402.9	9761.0	10614.2	12494.5	12737.3	12113.9
75°		11346.7	9624.4	8055.2	8825.2	10430.3	11329.6	11268.4
80°		9680.2	7932.0	6435.2	7046.2	8437.4	9667.1	9978.5
85°		6942.8	5616.5	4653.6	5171.4	6121.3	7221.8	7522.9

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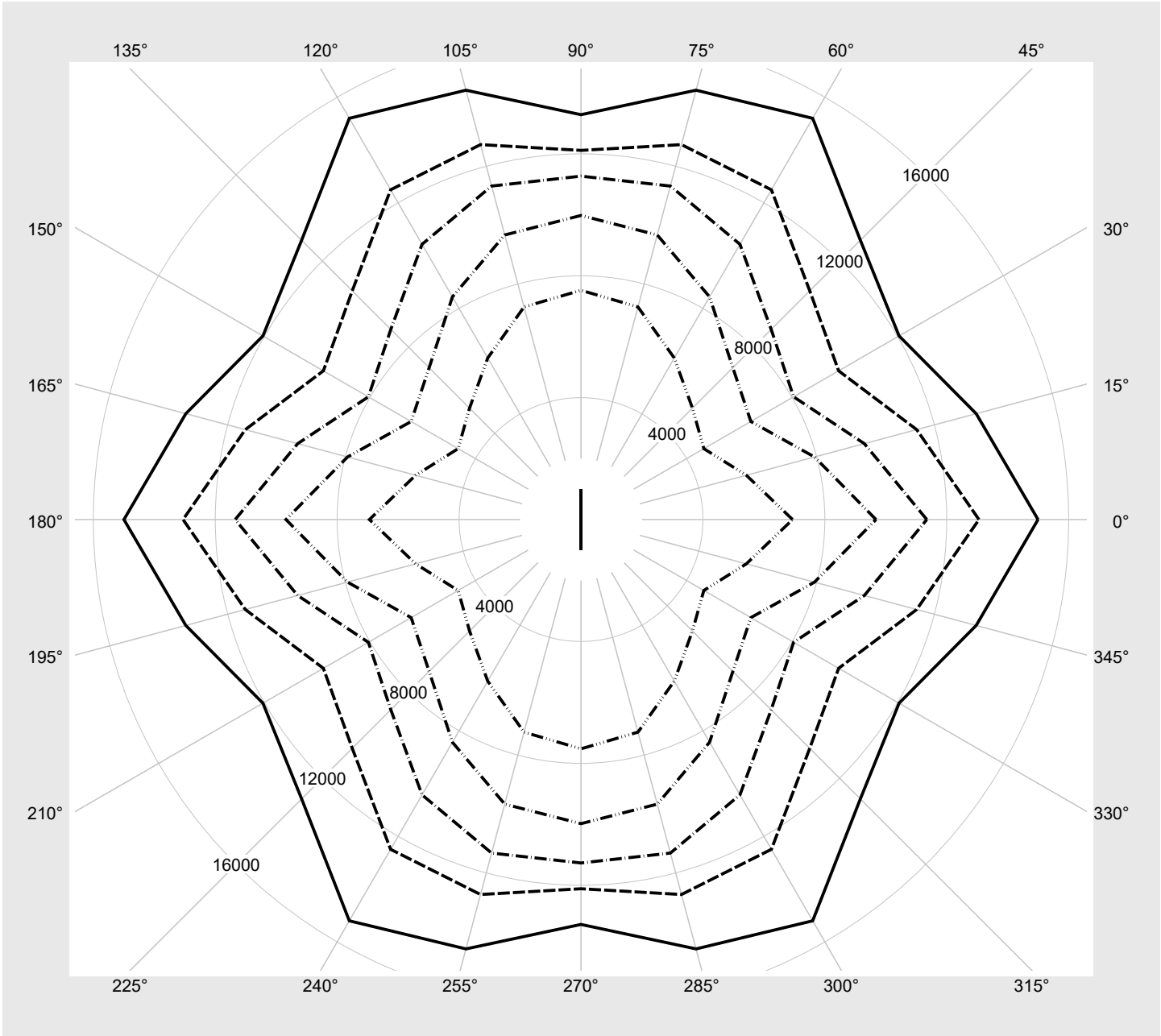
Family
Licross® 11 Recessed

Order number: 51TL12DN395G
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LP number
58637_226

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	9840	56.7
95	240	252	9344	53.6
90	226	250	8839	50.4
85	213	248	8369	47.5
80	199	245	7857	44.4
75	186	243	7376	41.5
70	173	240	6894	38.5
65	160	237	6405	35.7
60	147	234	5913	32.8
55	134	231	5411	29.9
50	121	227	4909	27.2
45	109	223	4440	24.6
40	96	218	3926	21.9
35	84	213	3450	19.3
30	72	208	2970	16.9
25	59	201	2441	14.2
20	47	192	1952	11.6
15	35	181	1459	9.1
10	24	168	1003	6.8
5	12	142	497	4.4
2	4	102	160	2.8