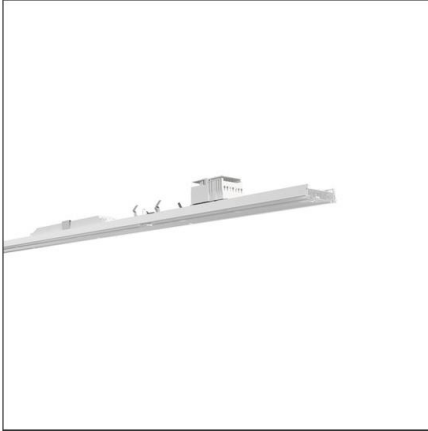


Photometric test report

Family
Licross® Recessed

Order number: **51TL12DN49XF**
EAN: **4058352250983**

LP number
58637_21



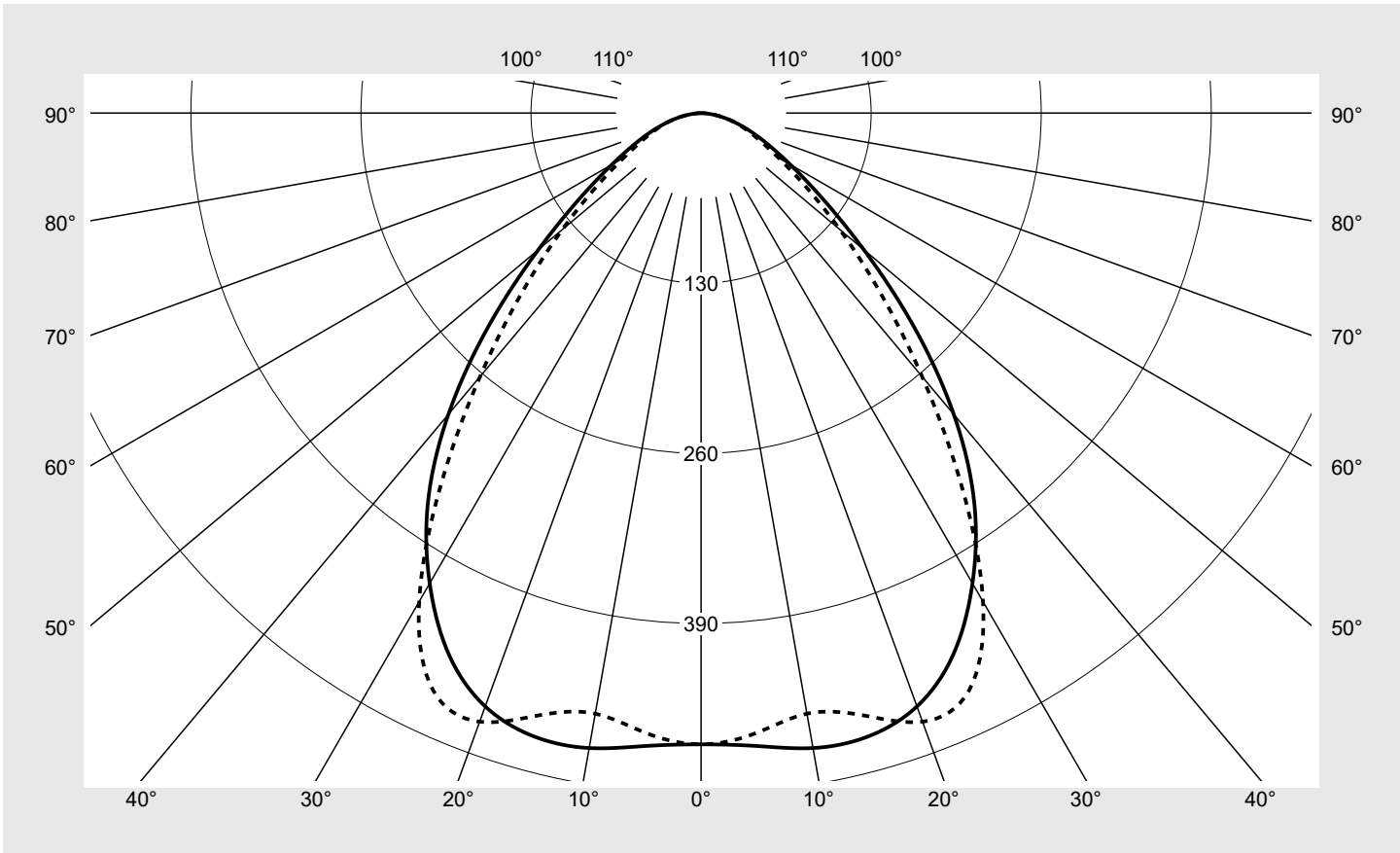
Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 9140 lm
Power consumption = 55.4 W
Luminous efficacy = 165 lm/W

serial
documentation
23.07.2019

siteco

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

Photometric test report

Family Licross® Recessed	Order number: 51TL12DN49XF EAN: 4058352250983	LP number 58637_21
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

Photometric test report

Family Licross® Recessed	Order number: 51TL12DN49XF EAN: 4058352250983	LP number 58637_21
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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	

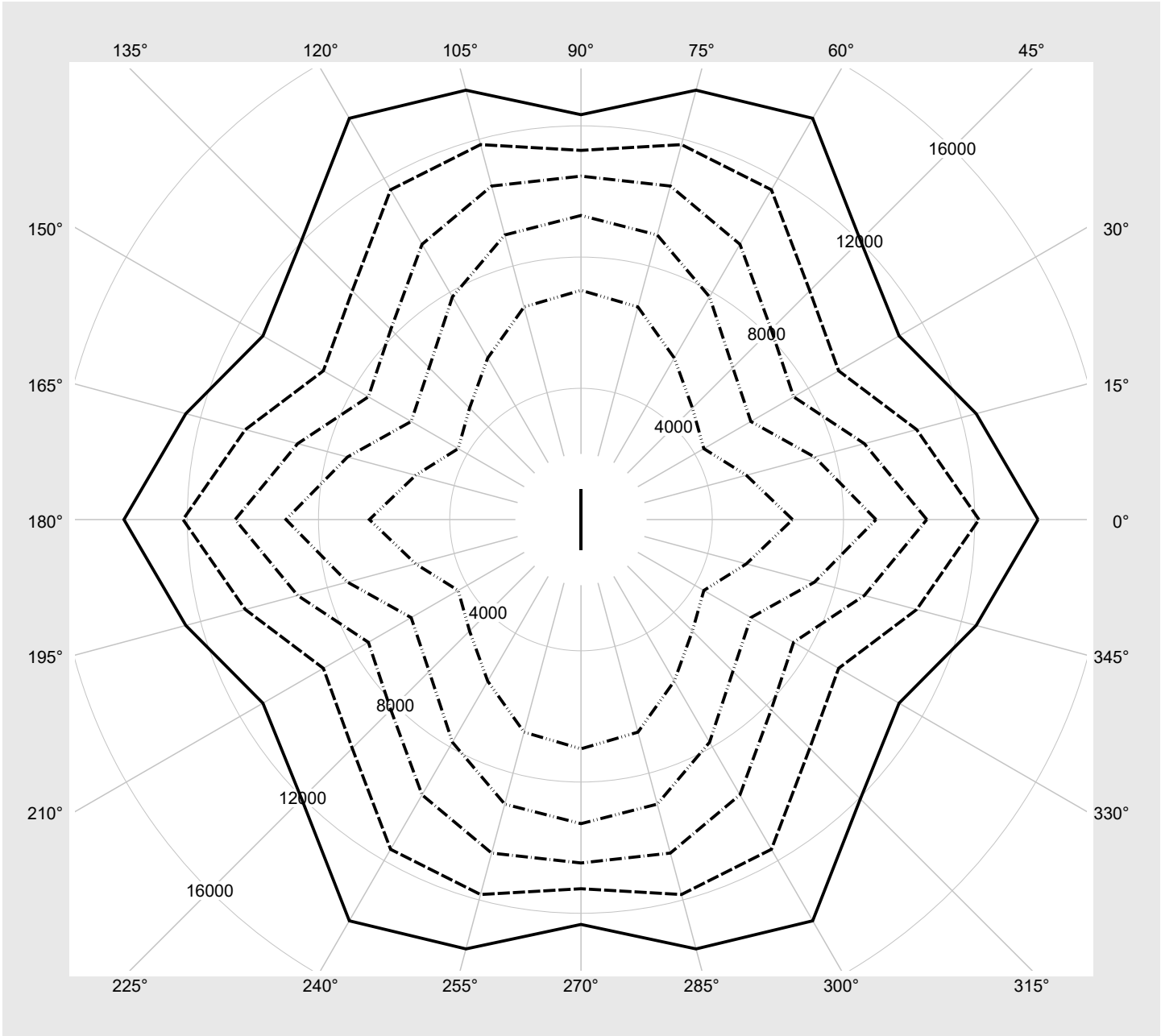
Photometric test report

Family Licross® Recessed	Order number: 51TL12DN49XF EAN: 4058352250983	LP number 58637_21
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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Photometric test report

Family Licross® Recessed	Order number: 51TL12DN49XF EAN: 4058352250983	LP number 58637_21
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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	240	252	8687	52.4
90	226	250	8230	49.3
85	212	248	7772	46.3
80	199	245	7315	43.4
75	185	243	6858	40.5
70	172	240	6401	37.8
65	159	237	5944	35.0
60	146	234	5486	32.2
55	133	231	5029	29.5
50	121	227	4572	26.9
45	108	223	4115	24.3
40	96	218	3658	21.7
35	83	214	3200	19.2
30	71	208	2743	16.6
25	59	201	2286	14.1
20	47	192	1829	11.6
15	35	182	1372	9.3
10	24	167	914	7.0
5	12	144	457	4.8