
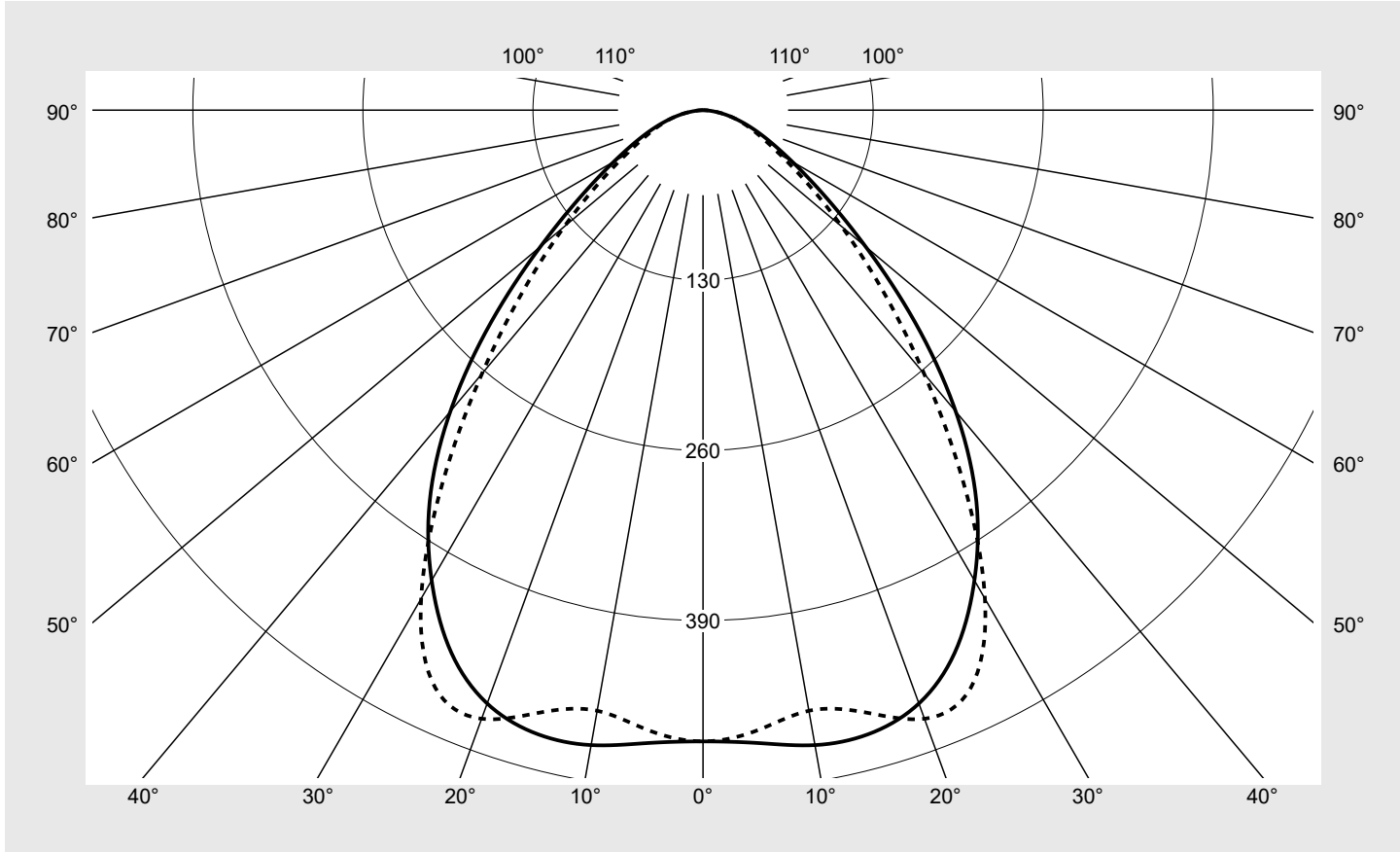


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12MN44XG EAN: 4058352929711	LP number 58637_203
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 4300 lm Power consumption = 21.9 W Luminous efficacy = 196.3 lm/W	serial documentation 11.10.2023



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 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	19.7	21.2	20.0	21.5	21.8	19.8	21.3	20.1	21.6	21.9
	3H	20.2	21.5	20.6	21.9	22.2	20.3	21.7	20.7	22.0	22.3
	4H	20.4	21.7	20.8	22.0	22.4	20.6	21.8	21.0	22.2	22.5
	6H	20.6	21.7	21.0	22.1	22.5	20.8	21.9	21.2	22.3	22.7
	8H	20.7	21.7	21.1	22.1	22.5	20.9	21.9	21.3	22.3	22.7
	12H	20.7	21.7	21.2	22.1	22.5	20.9	21.9	21.3	22.3	22.7
4H	2H	19.9	21.1	20.3	21.5	21.9	20.0	21.2	20.4	21.6	22.0
	3H	20.5	21.6	21.0	21.9	22.4	20.7	21.7	21.1	22.1	22.5
	4H	20.8	21.7	21.2	22.1	22.6	21.1	22.0	21.5	22.4	22.8
	6H	21.0	21.8	21.5	22.3	22.7	21.3	22.1	21.8	22.6	23.0
	8H	21.1	21.8	21.6	22.3	22.8	21.4	22.1	21.9	22.6	23.1
	12H	21.2	21.8	21.7	22.3	22.7	21.5	22.1	22.0	22.6	23.1
8H	4H	20.9	21.6	21.3	22.0	22.5	21.1	21.8	21.6	22.3	22.7
	6H	21.1	21.7	21.6	22.2	22.7	21.5	22.0	21.9	22.5	23.0
	8H	21.2	21.7	21.7	22.2	22.8	21.6	22.1	22.1	22.6	23.1
	12H	21.3	21.7	21.8	22.2	22.8	21.7	22.1	22.2	22.6	23.1
12H	4H	20.9	21.5	21.4	22.0	22.5	21.1	21.7	21.6	22.2	22.7
	6H	21.2	21.6	21.7	22.1	22.7	21.5	22.0	22.0	22.4	23.0
	8H	21.3	21.7	21.8	22.2	22.7	21.6	22.0	22.1	22.5	23.1

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°		16017.3	15818.2	16671.2	18158.6	17276.3	14807.2	13515.0	
50°		12479.7	12252.0	12425.9	13351.4	13420.1	11936.3	10650.2	
55°		9692.6	9305.2	9057.4	9680.6	10481.9	9560.3	8373.9	
60°		7780.5	7230.0	6753.9	7229.2	8269.3	7647.7	6766.3	
65°		6553.2	5866.1	5266.2	5664.6	6643.7	6373.7	5805.4	
70°		5706.1	4983.0	4265.5	4638.3	5460.0	5566.1	5293.7	
75°		4958.4	4205.8	3520.1	3856.5	4557.9	4950.9	4924.2	
80°		4230.2	3466.2	2812.1	3079.1	3687.1	4224.5	4360.5	
85°		3033.9	2454.4	2033.6	2259.9	2675.0	3155.9	3287.4	

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Family
Licross® 11 Recessed

Order number: 51TL12MN44XG
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LP number
58637_203

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

