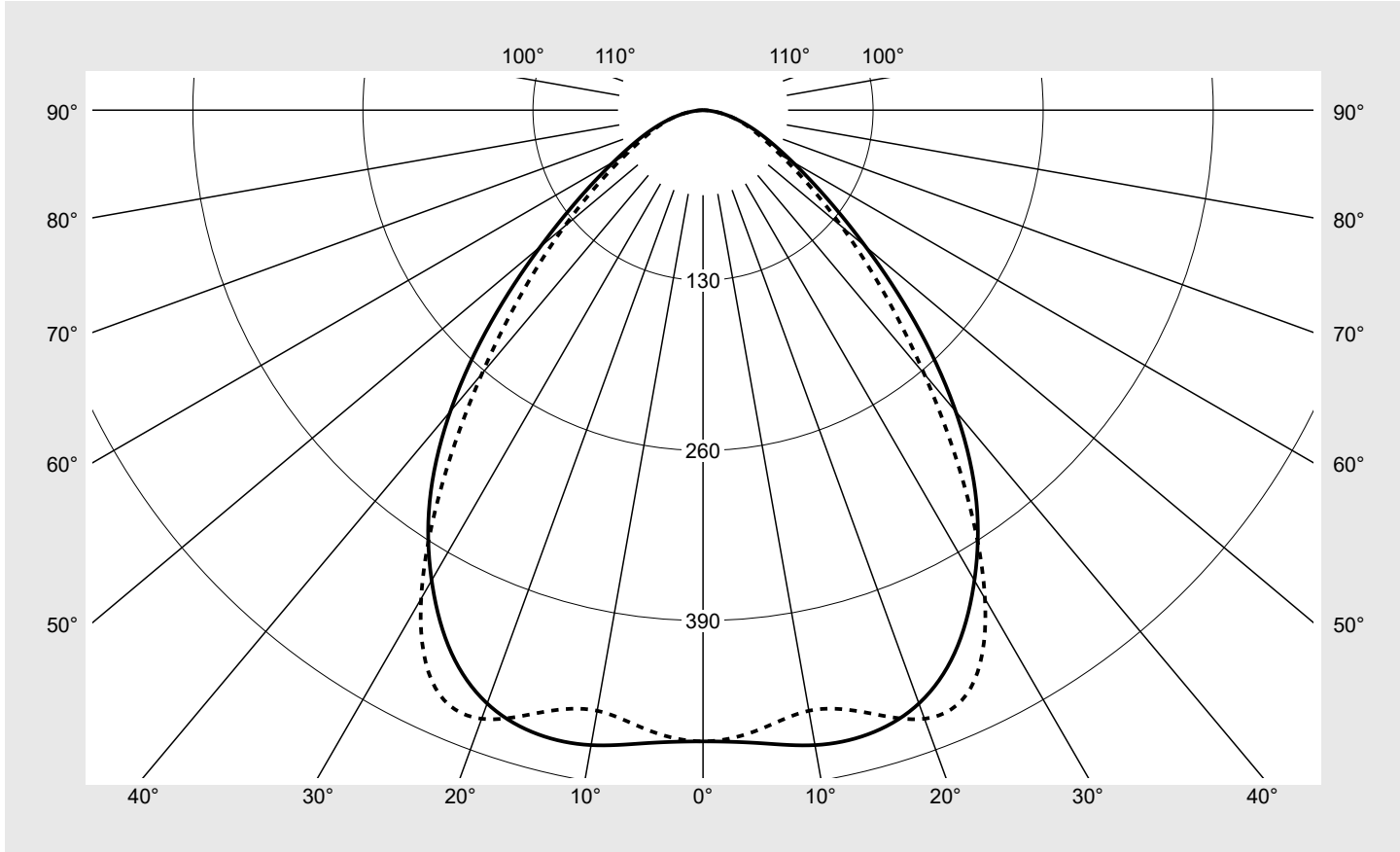


Photometric test report

Family Licross® Recessed	Order number: 51TL127N48XF EAN: 4058352210918	LP number 58637_9
	Version cover frosted, wide distribution, high visual comfort	serial documentation 23.07.2019
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG	
	Rated values Net luminous flux = 8350 lm Power consumption = 47.6 W Luminous efficacy = 175.4 lm/W	
		

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

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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

Photometric test report

Family Licross® Recessed	Order number: 51TL127N48XF EAN: 4058352210918	LP number 58637_9
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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	22.0	23.5	22.4	23.8	24.1	22.1	23.6	22.4	23.9	24.2
	3H	22.5	23.8	22.9	24.2	24.5	22.6	24.0	23.0	24.3	24.7
	4H	22.7	24.0	23.1	24.3	24.7	22.9	24.1	23.3	24.5	24.8
	6H	22.9	24.0	23.3	24.4	24.8	23.1	24.2	23.5	24.6	25.0
	8H	23.0	24.0	23.4	24.4	24.8	23.2	24.2	23.6	24.6	25.0
	12H	23.0	24.0	23.5	24.4	24.8	23.2	24.2	23.7	24.6	25.0
4H	2H	22.2	23.5	22.6	23.8	24.2	22.3	23.5	22.7	23.9	24.3
	3H	22.8	23.9	23.3	24.2	24.7	23.0	24.1	23.4	24.4	24.9
	4H	23.1	24.0	23.6	24.4	24.9	23.4	24.3	23.8	24.7	25.1
	6H	23.3	24.1	23.8	24.6	25.0	23.6	24.4	24.1	24.9	25.3
	8H	23.4	24.1	23.9	24.6	25.1	23.7	24.5	24.2	24.9	25.4
	12H	23.5	24.1	24.0	24.6	25.1	23.8	24.4	24.3	24.9	25.4
8H	4H	23.2	23.9	23.6	24.3	24.8	23.4	24.1	23.9	24.6	25.1
	6H	23.4	24.0	23.9	24.5	25.0	23.8	24.3	24.2	24.8	25.3
	8H	23.5	24.0	24.0	24.5	25.1	23.9	24.4	24.4	24.9	25.4
	12H	23.6	24.0	24.1	24.5	25.1	24.0	24.4	24.5	24.9	25.5
12H	4H	23.2	23.8	23.7	24.3	24.8	23.4	24.0	23.9	24.5	25.0
	6H	23.5	23.9	24.0	24.4	25.0	23.8	24.3	24.3	24.7	25.3
	8H	23.6	24.0	24.1	24.5	25.0	23.9	24.3	24.4	24.8	25.4

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°		31103.4	30716.8	32373.2	35261.4	33548.2	28753.5	26244.2	
50°		24233.8	23791.6	24129.4	25926.5	26060.0	23178.7	20681.1	
55°		18821.7	18069.4	17588.1	18798.4	20354.5	18564.7	16261.0	
60°		15108.7	14039.7	13115.1	14038.2	16057.9	14850.7	13139.3	
65°		12725.4	11391.2	10226.1	10999.9	12901.2	12376.8	11273.3	
70°		11080.5	9676.3	8283.0	9007.0	10602.6	10808.6	10279.6	
75°		9628.5	8167.1	6835.4	7488.8	8850.9	9614.1	9562.1	
80°		8214.4	6730.9	5460.8	5979.2	7159.8	8203.3	8467.5	
85°		5891.5	4766.0	3948.9	4388.3	5194.4	6128.2	6383.7	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

