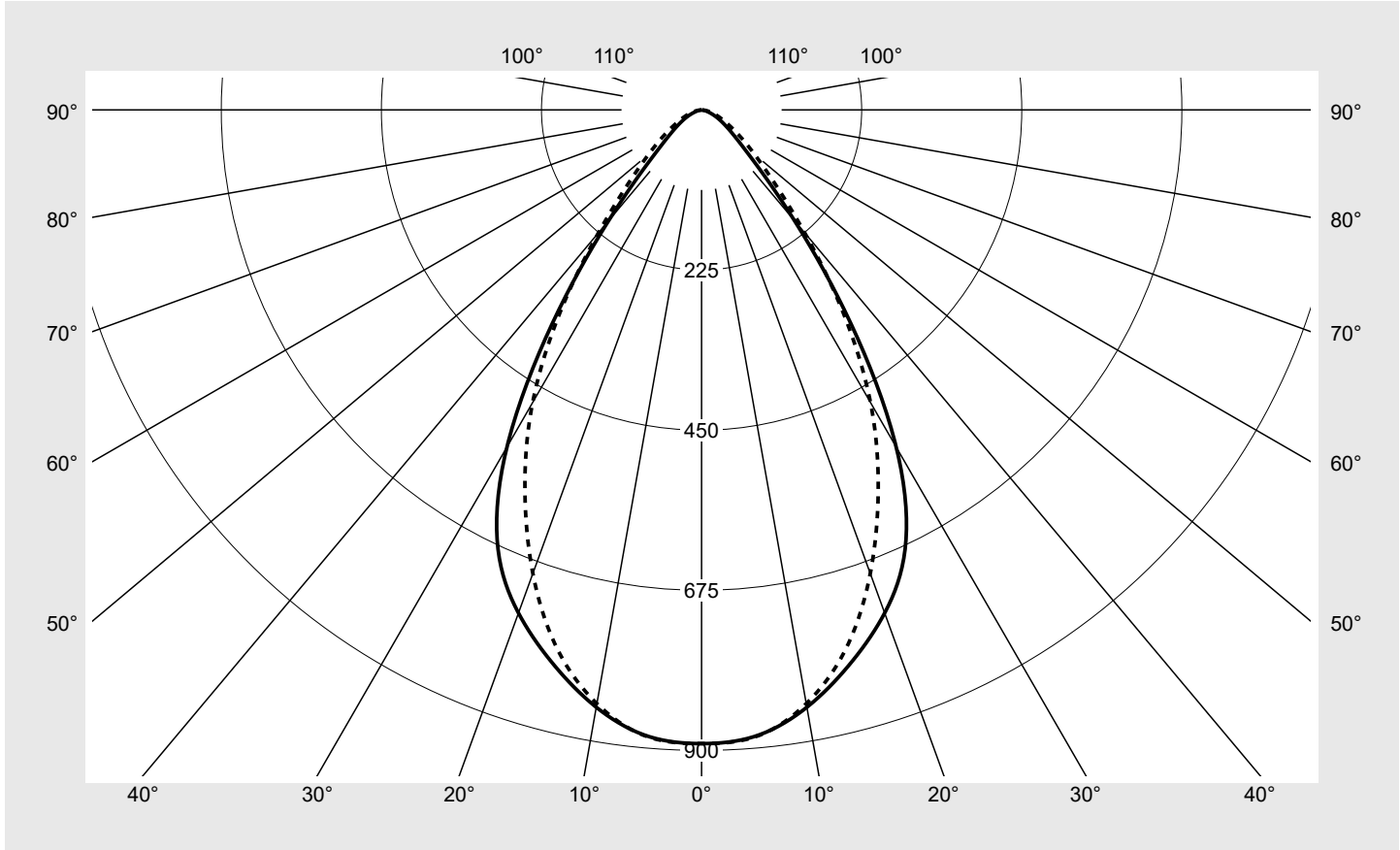


Photometric test report

Family Licross® Recessed	Order number: 51TL187N48XF EAN: 4058352295878	LP number 58691_14
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 8150 lm Power consumption = 47.6 W Luminous efficacy = 171.2 lm/W	serial documentation 19.11.2019 

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 890 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=83 N2=96 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
		sITeco

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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	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: 51TL187N48XF EAN: 4058352295878	LP number 58691_14
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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	18.2	19.6	18.6	19.9	20.2	19.2	20.5	19.5	20.8	21.1
	3H	18.4	19.6	18.8	19.9	20.3	19.7	20.8	20.0	21.1	21.5
	4H	18.5	19.5	18.9	19.9	20.2	19.8	20.9	20.2	21.3	21.6
	6H	18.5	19.4	18.9	19.8	20.2	20.0	20.9	20.4	21.3	21.7
	8H	18.5	19.4	19.0	19.8	20.2	20.1	20.9	20.5	21.3	21.7
	12H	18.5	19.3	19.0	19.7	20.1	20.1	20.9	20.5	21.3	21.7
4H	2H	18.4	19.5	18.8	19.8	20.2	19.2	20.3	19.6	20.7	21.0
	3H	18.7	19.6	19.1	20.0	20.4	19.9	20.8	20.3	21.2	21.6
	4H	18.8	19.5	19.2	20.0	20.4	20.2	21.0	20.7	21.4	21.8
	6H	18.8	19.4	19.2	19.9	20.3	20.4	21.1	20.9	21.5	22.0
	8H	18.8	19.4	19.3	19.8	20.3	20.5	21.1	21.0	21.5	22.0
	12H	18.8	19.3	19.3	19.8	20.3	20.6	21.0	21.0	21.5	22.0
8H	4H	18.9	19.5	19.3	19.9	20.4	20.2	20.8	20.7	21.3	21.8
	6H	18.9	19.4	19.4	19.9	20.4	20.5	21.0	21.0	21.5	22.0
	8H	18.9	19.3	19.4	19.8	20.3	20.6	21.1	21.1	21.5	22.1
	12H	18.9	19.3	19.5	19.8	20.3	20.7	21.0	21.2	21.5	22.1
12H	4H	18.9	19.4	19.4	19.8	20.3	20.2	20.7	20.7	21.2	21.7
	6H	18.9	19.3	19.5	19.8	20.4	20.5	20.9	21.0	21.4	21.9
	8H	18.9	19.3	19.5	19.8	20.3	20.6	21.0	21.2	21.5	22.0

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°		14417.1	14312.0	13599.8	13732.2	16417.8	18476.8	19095.8	
50°		9727.4	9633.2	9146.8	9709.9	12232.3	13815.6	14172.8	
55°		7445.4	7399.8	7403.9	7997.1	9939.2	10939.5	11072.0	
60°		5982.3	5952.7	6398.0	7125.7	8461.8	8823.4	8815.1	
65°		4791.9	4811.4	5498.5	6280.6	7443.2	7349.4	7284.9	
70°		3661.5	3758.1	4445.3	5446.4	6707.5	6393.6	6239.9	
75°		2713.9	2791.3	3297.7	4581.1	5833.8	5622.4	5357.5	
80°		2158.4	2193.5	2490.2	3460.2	4820.2	4780.3	4393.5	
85°		2002.4	1983.1	2144.3	2835.4	3666.3	3786.6	3214.8	

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Family
Licross® Recessed

Order number: 51TL187N48XF
EAN: 4058352295878

LP number
58691_14

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

