

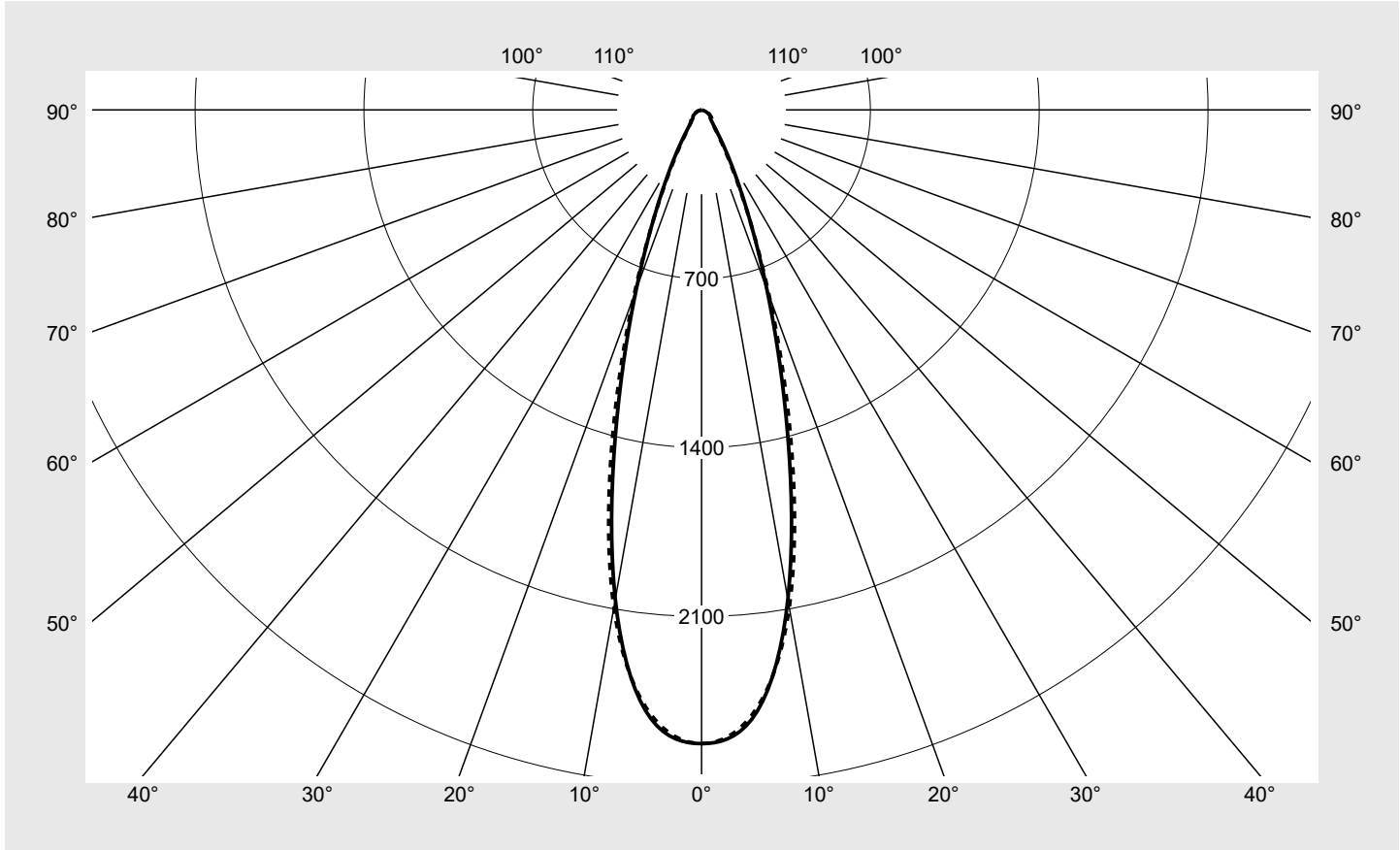


Photometric test report

Family Licross® Recessed	Order number: 51TL117N48XF EAN: 4058352209974	LP number 58785_5
	Version cover frosted, narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG	serial documentation 15.11.2019
	Rated values Net luminous flux = 8240 lm Power consumption = 47.6 W Luminous efficacy = 173.1 lm/W	

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 2627 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=89 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

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Table of values for luminous intensities	Maximum luminous intensity	sITeco
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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°	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	2627.4	15.7	15.7
5°	2520.2	2503.8	2487.8	2499.1	2508.6	2505.8	2505.2	119.6	135.3
10°	2060.7	2047.7	2044.6	2066.8	2086.2	2092.0	2094.5	196.9	332.2
15°	1373.4	1369.0	1375.7	1399.2	1421.9	1432.7	1437.2	198.7	530.9
20°	791.8	790.8	796.4	808.8	818.0	819.0	819.4	151.2	682.1
25°	418.1	420.5	425.4	427.2	423.4	413.4	409.3	97.4	779.6
30°	215.7	218.7	224.8	222.9	213.7	202.3	197.8	58.9	838.4
35°	112.4	114.3	119.3	116.0	107.4	103.1	102.4	35.0	873.4
40°	70.3	69.7	69.6	67.8	65.2	68.3	71.3	24.2	897.6
45°	52.4	50.5	46.9	47.4	48.4	54.1	61.4	19.6	917.2
50°	46.4	44.6	38.1	38.0	38.3	44.7	54.3	17.8	935.0
55°	42.3	42.2	36.7	33.4	32.3	38.6	47.1	17.1	952.1
60°	32.7	32.9	34.3	30.2	28.0	32.6	38.2	15.3	967.4
65°	23.6	23.8	26.4	25.7	24.0	26.1	29.3	12.6	980.0
70°	15.1	15.6	18.2	19.4	18.6	19.5	20.9	9.4	989.4
75°	8.3	8.7	10.8	13.0	12.9	13.2	13.7	6.1	995.5
80°	4.0	4.1	5.0	6.6	7.3	7.2	7.2	3.2	998.7
85°	1.6	1.6	1.9	2.5	2.6	2.7	2.5	1.2	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	14.7	15.8	15.0	16.1	16.4	14.6	15.7	15.0	16.0	16.4
	3H	15.6	16.6	16.0	16.9	17.3	16.0	17.0	16.4	17.3	17.7
	4H	15.8	16.7	16.2	17.1	17.5	16.5	17.4	16.9	17.8	18.2
	6H	16.0	16.7	16.4	17.1	17.5	16.9	17.7	17.3	18.0	18.4
	8H	16.0	16.7	16.5	17.1	17.5	17.1	17.7	17.5	18.1	18.5
	12H	16.0	16.6	16.5	17.0	17.4	17.1	17.7	17.5	18.1	18.5
4H	2H	15.2	16.1	15.6	16.4	16.8	15.1	16.0	15.5	16.4	16.7
	3H	16.3	17.1	16.7	17.4	17.9	16.7	17.4	17.1	17.8	18.2
	4H	16.6	17.3	17.0	17.7	18.1	17.3	17.9	17.7	18.3	18.8
	6H	16.7	17.3	17.2	17.7	18.2	17.7	18.2	18.2	18.7	19.2
	8H	16.8	17.2	17.2	17.7	18.2	17.8	18.3	18.3	18.7	19.2
	12H	16.8	17.2	17.3	17.7	18.2	17.9	18.3	18.4	18.7	19.2
8H	4H	16.9	17.3	17.3	17.8	18.3	17.5	17.9	17.9	18.4	18.9
	6H	17.0	17.4	17.5	17.9	18.4	18.0	18.4	18.5	18.8	19.4
	8H	17.1	17.4	17.6	17.9	18.4	18.1	18.5	18.6	19.0	19.5
	12H	17.1	17.4	17.6	17.9	18.4	18.2	18.5	18.8	19.0	19.6
12H	4H	16.9	17.3	17.4	17.7	18.2	17.5	17.9	18.0	18.3	18.8
	6H	17.1	17.4	17.6	17.9	18.4	18.0	18.3	18.5	18.8	19.3
	8H	17.1	17.4	17.7	17.9	18.5	18.2	18.4	18.7	18.9	19.5

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°		7023.8	6760.1	6280.2	6343.7	6478.1	7252.4	8223.5	
50°		6841.3	6573.9	5607.7	5604.5	5640.4	6591.4	7996.1	
55°		6990.5	6970.8	6059.6	5510.1	5339.9	6375.4	7770.2	
60°		6191.2	6229.1	6496.2	5723.5	5299.4	6166.0	7234.9	
65°		5279.1	5338.1	5916.3	5767.9	5381.5	5847.9	6556.1	
70°		4184.0	4312.2	5053.5	5361.2	5161.8	5401.1	5789.3	
75°		3048.3	3190.3	3950.0	4758.3	4728.0	4822.0	5007.9	
80°		2155.5	2232.4	2741.9	3592.7	3975.1	3908.5	3941.8	
85°		1758.3	1783.3	2081.0	2698.3	2851.5	2917.8	2674.4	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

