

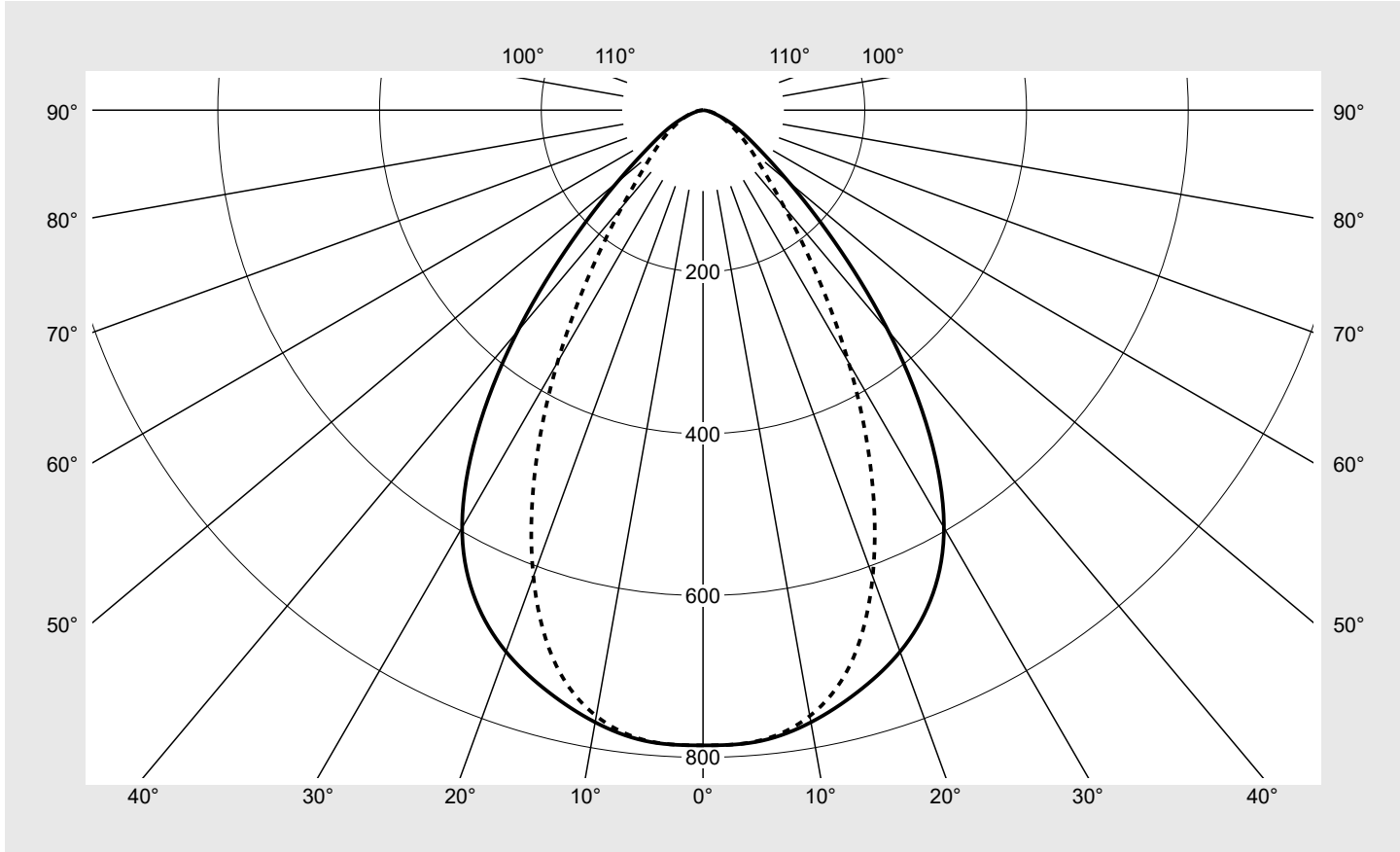


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18CN4CXLD EAN: 4058352418277	LP number 58690_14
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Setting AC-mode Rated values Net luminous flux = 12000 lm Power consumption = 68.8 W Luminous efficacy = 174.4 lm/W	serial documentation 26.08.2020 

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 785 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=78 N2=94 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

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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	4.7	4.7
5°	783.4	781.4	776.6	779.8	781.8	782.1	782.7	37.3	42.0
10°	768.3	766.7	761.5	762.8	763.5	761.1	760.4	72.7	114.7
15°	743.6	742.7	733.7	728.3	720.6	709.9	707.4	103.1	217.8
20°	712.4	708.4	691.4	669.5	643.5	621.3	613.4	124.9	342.7
25°	666.9	659.0	622.8	576.9	532.3	501.9	491.6	134.0	476.7
30°	595.9	578.6	522.8	456.8	403.1	370.2	359.8	128.3	605.0
35°	487.4	465.5	401.4	331.1	278.9	249.4	240.2	109.5	714.5
40°	356.6	334.8	278.6	220.0	182.5	161.7	155.6	84.2	798.7
45°	229.8	212.6	172.5	137.3	118.7	108.8	106.4	59.3	858.0
50°	138.7	127.9	104.9	89.6	83.6	79.2	78.2	41.5	899.6
55°	86.1	79.8	69.3	65.4	63.7	60.2	58.5	30.7	930.3
60°	57.8	53.9	50.5	51.8	50.6	46.1	43.1	24.0	954.3
65°	38.0	36.1	37.7	39.9	40.1	34.9	31.4	18.5	972.8
70°	21.9	21.5	24.3	28.4	29.8	25.8	22.4	13.0	985.8
75°	11.6	11.4	12.7	17.5	19.8	17.4	14.7	8.1	993.9
80°	5.8	5.7	6.1	8.6	10.9	9.9	8.2	4.3	998.3
85°	2.4	2.3	2.4	3.2	4.0	3.9	3.0	1.7	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	22.3	23.7	22.7	24.0	24.3	19.7	21.1	20.1	21.4	21.7
	3H	22.6	23.8	23.0	24.1	24.5	20.4	21.6	20.8	21.9	22.3
	4H	22.7	23.7	23.0	24.1	24.5	20.7	21.8	21.1	22.1	22.5
	6H	22.7	23.6	23.1	24.0	24.4	20.8	21.9	21.2	22.2	22.6
	8H	22.7	23.6	23.2	24.0	24.4	20.9	21.8	21.4	22.2	22.6
	12H	22.7	23.5	23.2	23.9	24.3	20.9	21.8	21.4	22.2	22.6
4H	2H	22.4	23.5	22.8	23.9	24.3	20.2	21.3	20.6	21.6	22.0
	3H	22.8	23.7	23.2	24.1	24.5	21.1	22.0	21.5	22.4	22.8
	4H	22.9	23.7	23.3	24.1	24.5	21.5	22.3	21.9	22.7	23.2
	6H	22.9	23.6	23.3	24.0	24.5	21.7	22.5	22.2	22.9	23.4
	8H	22.9	23.5	23.4	24.0	24.4	21.8	22.5	22.3	22.9	23.4
	12H	22.9	23.4	23.4	23.9	24.4	21.9	22.4	22.4	22.9	23.4
8H	4H	22.9	23.5	23.4	24.0	24.5	21.6	22.3	22.1	22.7	23.2
	6H	23.0	23.5	23.4	23.9	24.5	22.0	22.5	22.5	23.0	23.5
	8H	22.9	23.4	23.5	23.9	24.4	22.1	22.6	22.6	23.1	23.6
	12H	23.0	23.3	23.5	23.8	24.4	22.2	22.6	22.7	23.1	23.6
12H	4H	22.9	23.5	23.4	23.9	24.4	21.7	22.2	22.1	22.6	23.1
	6H	23.0	23.4	23.5	23.9	24.4	22.0	22.4	22.5	22.9	23.5
	8H	23.0	23.3	23.5	23.8	24.4	22.2	22.5	22.7	23.0	23.6

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°	45°	44828.2	41478.2	33649.1	26774.5	23155.5	21218.1	20763.6	
50°	50°	29757.7	27449.6	22502.8	19229.4	17933.1	16994.3	16771.3	
55°	55°	20709.0	19183.0	16656.8	15738.6	15320.4	14471.3	14070.5	
60°	60°	15947.0	14869.0	13938.5	14276.1	13961.1	12729.4	11887.2	
65°	65°	12392.7	11773.2	12290.9	13013.5	13071.6	11383.6	10252.7	
70°	70°	8846.0	8679.5	9784.1	11434.7	12019.5	10384.9	9020.6	
75°	75°	6202.2	6054.6	6790.5	9349.6	10531.7	9297.4	7852.6	
80°	80°	4622.1	4491.0	4861.2	6793.8	8624.7	7897.1	6481.6	
85°	85°	3852.0	3673.2	3852.0	5124.4	6335.1	6249.6	4800.0	

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Family
Licross® 11 Recessed

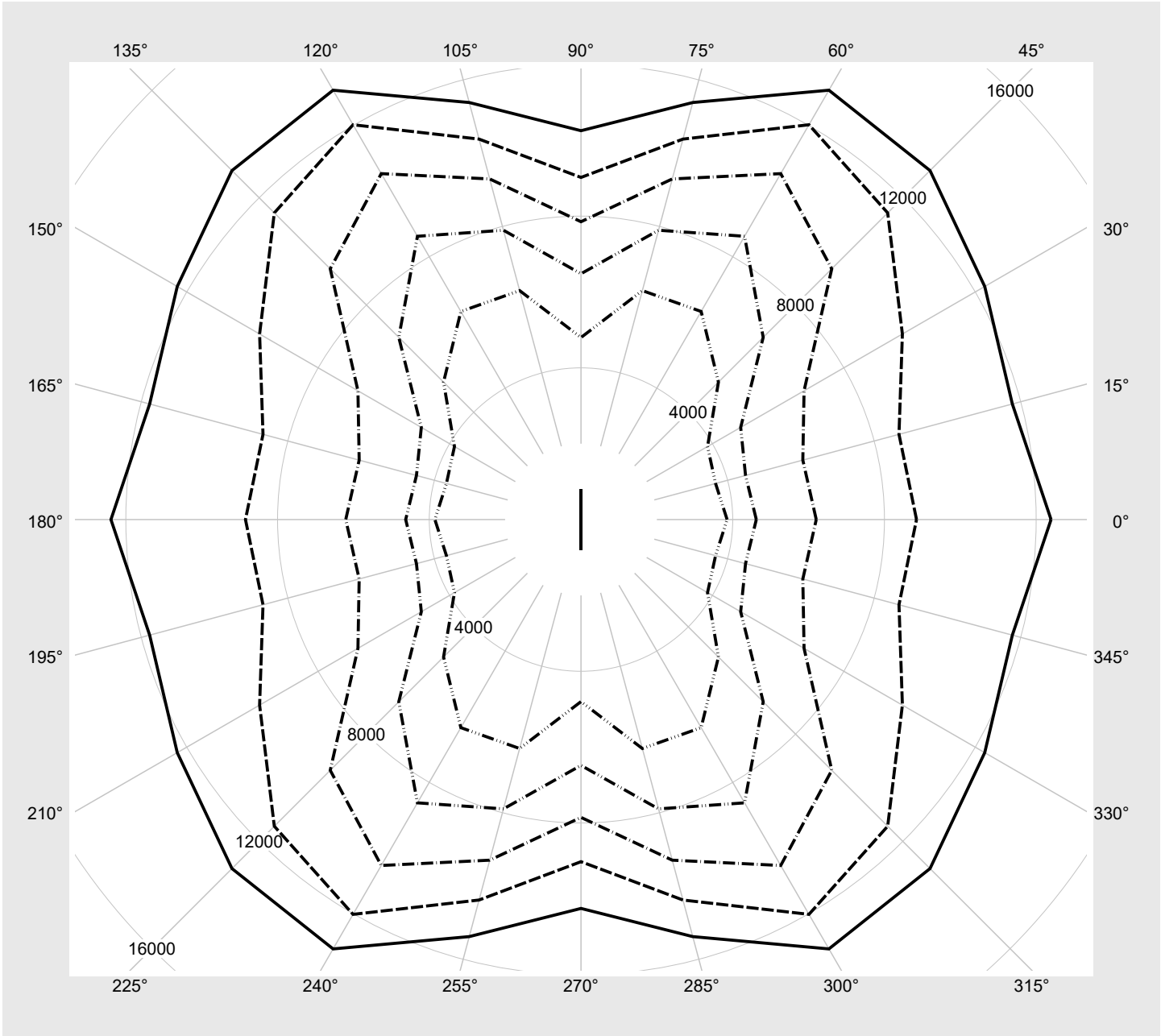
Order number: 51TL18CN4CXLD
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LP number
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Luminance values in cd/m²



γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Multilumen Table	environmental temperature: 25°C	siteco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	12000	68.8	76.9	72.8
2	A	C	F	10960	62.1	69.3	65.7
3	A	D	E	9980	56.0	62.2	59.1
4	A	D	F	8980	49.9	55.2	52.6
5	B	C	E	7960	43.9	48.6	46.2
6	B	C	F	7000	38.4	42.2	40.3
7	B	D	E	6020	32.9	36.3	34.6
8	B	D	F	5030	27.5	30.0	28.8