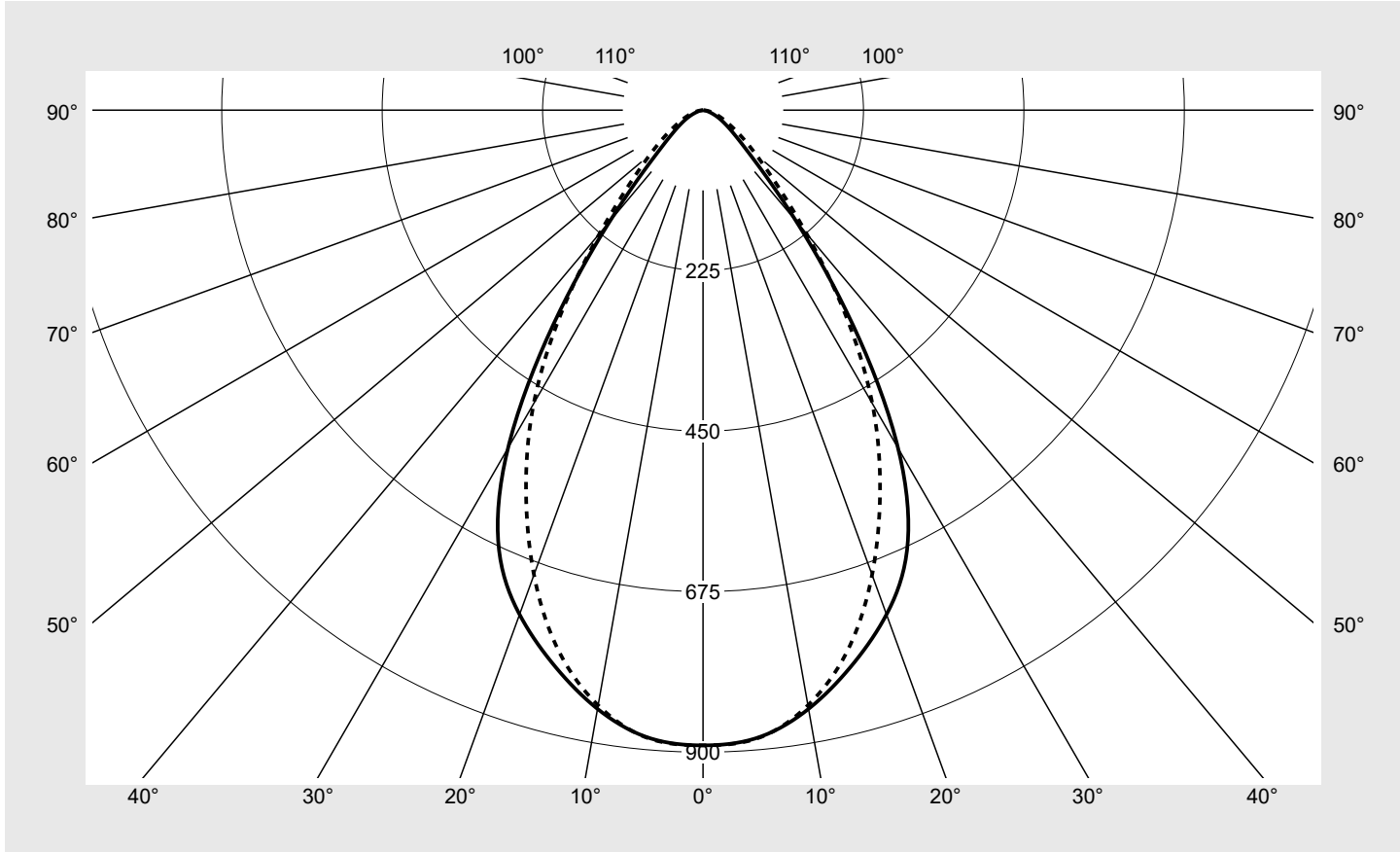


# Photometric test report

<b>Family</b> <b>Licross® Recessed</b>	<b>Order number: 51TL18CN48XF</b> <b>EAN: 4058352295892</b>	<b>LP number</b> <b>58691_20</b>
	<b>Version</b> cover frosted, wide distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-Multilumen CLOi <b>Rated values</b> Net luminous flux = 8060 lm Power consumption = 48.0 W Luminous efficacy = 167.9 lm/W	<b>serial documentation</b> <b>19.11.2019</b>
		

**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	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

**Measurement conditions**  
DIN EN 13032 and DIN 5032

## Photometric test report

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

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

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	19.5	18.6	19.8	20.1	19.1	20.4	19.5	20.7	21.1
	3H	18.4	19.5	18.8	19.9	20.2	19.6	20.8	20.0	21.1	21.5
	4H	18.4	19.5	18.8	19.8	20.2	19.8	20.9	20.2	21.2	21.6
	6H	18.4	19.4	18.8	19.8	20.1	19.9	20.9	20.4	21.3	21.7
	8H	18.5	19.3	18.9	19.7	20.1	20.1	20.9	20.5	21.3	21.7
	12H	18.5	19.3	18.9	19.6	20.1	20.1	20.8	20.5	21.2	21.6
4H	2H	18.4	19.4	18.8	19.8	20.2	19.2	20.3	19.6	20.6	21.0
	3H	18.7	19.5	19.1	19.9	20.3	19.9	20.8	20.3	21.1	21.6
	4H	18.7	19.5	19.2	19.9	20.4	20.2	21.0	20.6	21.4	21.8
	6H	18.7	19.4	19.2	19.8	20.3	20.4	21.1	20.8	21.5	22.0
	8H	18.7	19.3	19.2	19.8	20.3	20.5	21.1	20.9	21.5	22.0
	12H	18.8	19.3	19.3	19.7	20.2	20.5	21.0	21.0	21.5	22.0
8H	4H	18.8	19.4	19.3	19.9	20.3	20.2	20.8	20.7	21.2	21.7
	6H	18.9	19.3	19.4	19.8	20.3	20.5	21.0	21.0	21.4	22.0
	8H	18.9	19.3	19.4	19.8	20.3	20.6	21.0	21.1	21.5	22.0
	12H	18.9	19.2	19.4	19.7	20.3	20.7	21.0	21.2	21.5	22.1
12H	4H	18.9	19.3	19.3	19.8	20.3	20.2	20.7	20.7	21.2	21.7
	6H	18.9	19.3	19.4	19.8	20.3	20.5	20.9	21.0	21.4	21.9
	8H	18.9	19.2	19.4	19.8	20.3	20.6	20.9	21.1	21.4	22.0

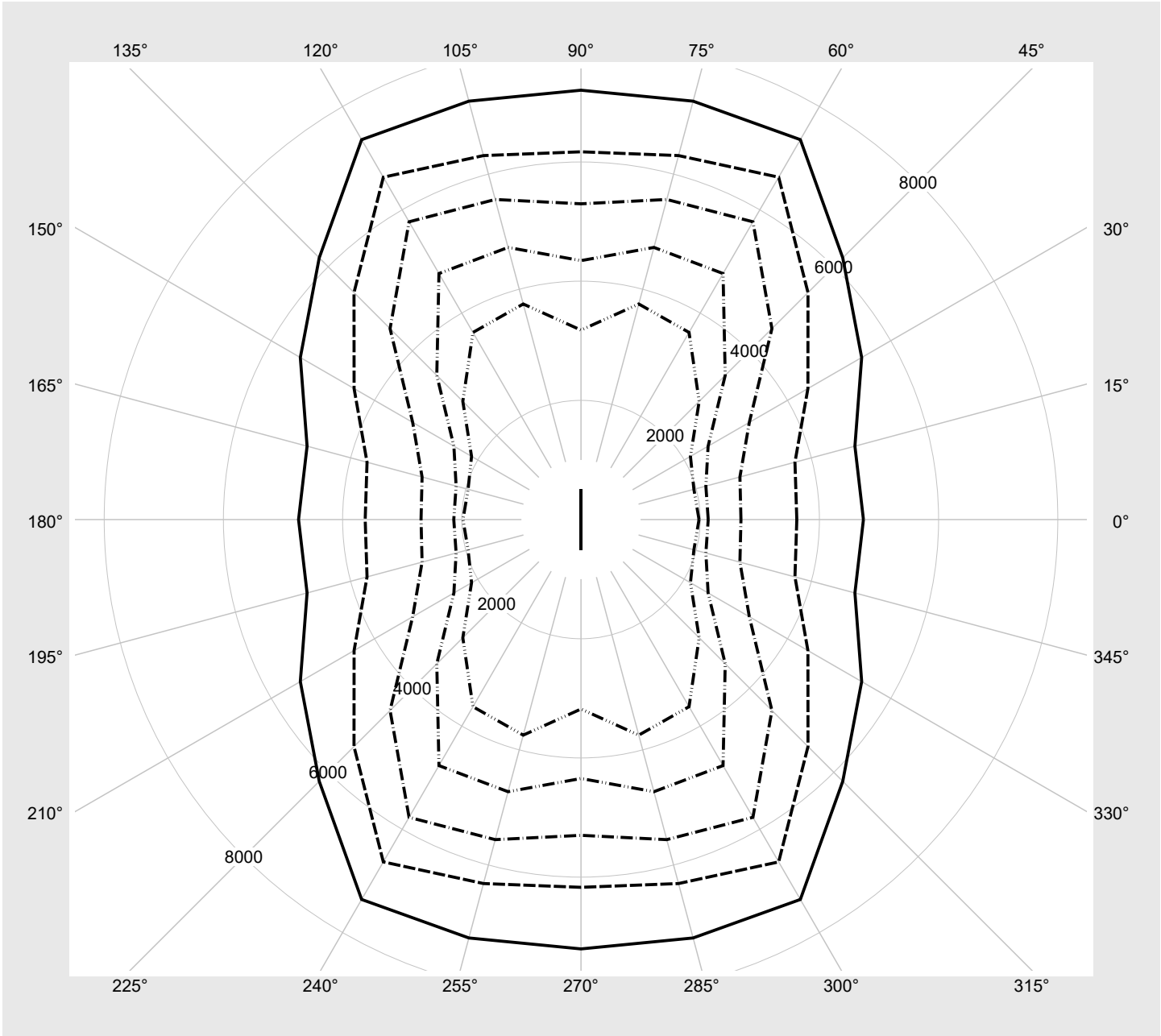
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b>
			<b>B = 58</b>

C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>						
		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°		14257.9	14154.0	13449.6	13580.5	16236.5	18272.8	18884.9
50°		9620.0	9526.9	9045.8	9602.7	12097.2	13663.0	14016.3
55°		7363.2	7318.1	7322.2	7908.8	9829.4	10818.7	10949.7
60°		5916.2	5886.9	6327.4	7047.0	8368.3	8725.9	8717.8
65°		4739.0	4758.3	5437.8	6211.2	7361.0	7268.2	7204.5
70°		3621.0	3716.6	4396.3	5386.3	6633.4	6323.0	6171.0
75°		2683.9	2760.5	3261.3	4530.5	5769.4	5560.4	5298.3
80°		2134.6	2169.3	2462.7	3422.0	4766.9	4727.5	4344.9
85°		1980.3	1961.2	2120.6	2804.1	3625.8	3744.8	3179.3

**Photometric test report**

Family <b>Licross® Recessed</b>	Order number: <b>51TL18CN48XF</b> EAN: <b>4058352295892</b>	LP number <b>58691_20</b>
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Luminance values in cd/m<sup>2</sup>       $\gamma$  65°      $\gamma$  70°      $\gamma$  75°      $\gamma$  80°      $\gamma$  85°



**Photometric test report**

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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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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	8060	48.0	53.0	50.5
2	A	C	F	7720	45.8	50.7	48.2
3	A	D	E	7240	42.7	47.1	44.9
4	A	D	F	6680	39.1	43.1	41.1
5	B	C	E	6250	36.5	39.9	38.2
6	B	C	F	5690	33.0	36.0	34.5
7	B	D	E	5180	29.9	32.5	31.2
8	B	D	F	4670	26.9	29.4	28.2