

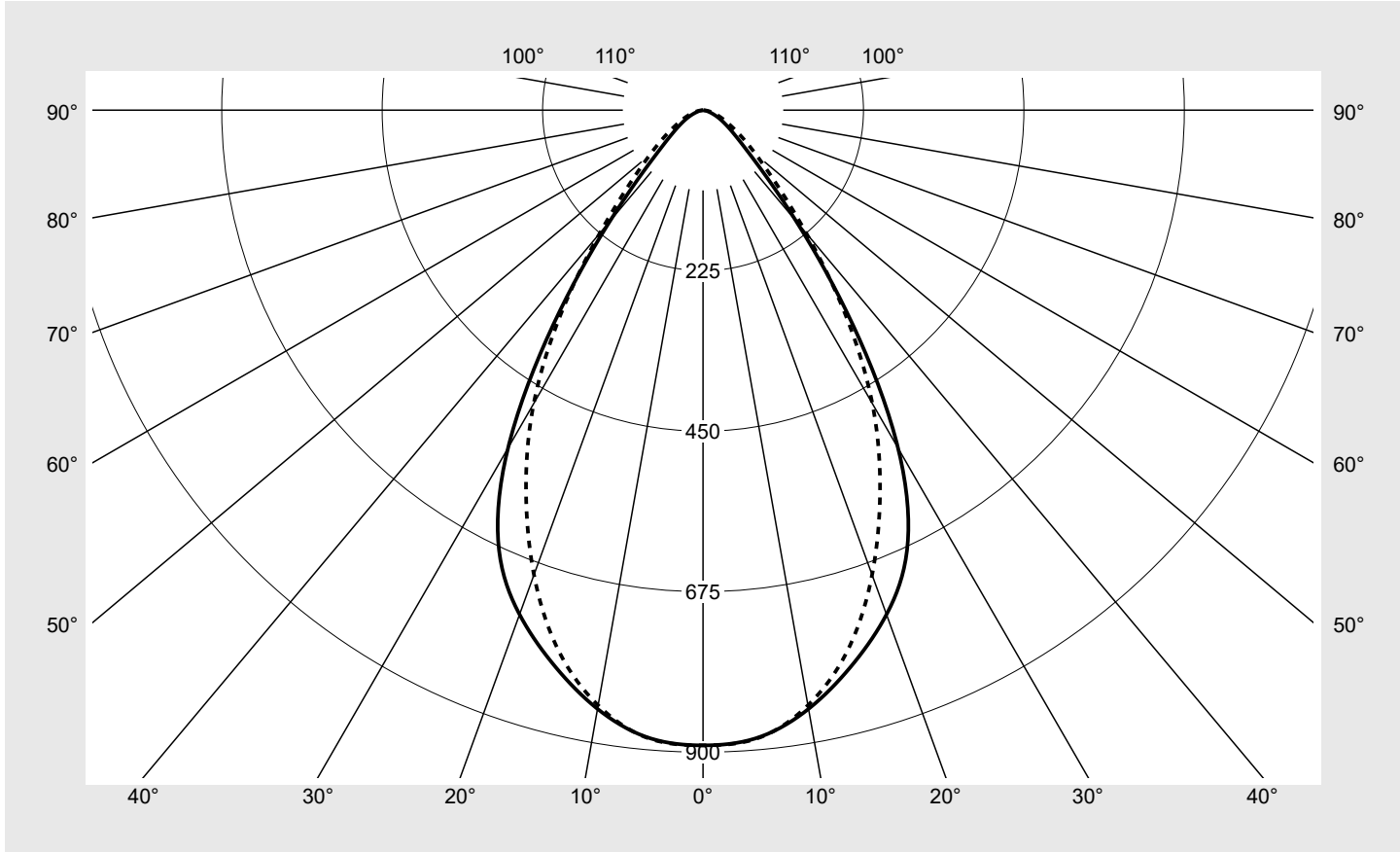


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL18DN485FE</b> <b>EAN: 4058352447253</b>	<b>LP number</b> <b>58691_39</b>
	<b>Version</b> cover frosted, wide distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 8910 lm Power consumption = 55.4 W Luminous efficacy = 160.8 lm/W	<b>serial documentation</b> <b>05.10.2020</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

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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

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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	18.6	19.9	18.9	20.2	20.5	19.5	20.8	19.8	21.1	21.4
	3H	18.7	19.9	19.1	20.2	20.6	20.0	21.1	20.3	21.5	21.8
	4H	18.8	19.8	19.2	20.2	20.6	20.2	21.2	20.6	21.6	21.9
	6H	18.8	19.7	19.2	20.1	20.5	20.3	21.2	20.7	21.6	22.0
	8H	18.9	19.7	19.3	20.1	20.5	20.4	21.2	20.8	21.6	22.0
	12H	18.8	19.6	19.3	20.0	20.4	20.4	21.2	20.9	21.6	22.0
4H	2H	18.7	19.8	19.1	20.1	20.5	19.6	20.6	20.0	21.0	21.4
	3H	19.0	19.9	19.4	20.3	20.7	20.2	21.1	20.7	21.5	21.9
	4H	19.1	19.8	19.5	20.3	20.7	20.5	21.3	21.0	21.7	22.2
	6H	19.1	19.8	19.5	20.2	20.7	20.7	21.4	21.2	21.8	22.3
	8H	19.1	19.7	19.6	20.1	20.6	20.8	21.4	21.3	21.8	22.3
	12H	19.1	19.6	19.6	20.1	20.6	20.9	21.4	21.4	21.8	22.3
8H	4H	19.2	19.8	19.6	20.2	20.7	20.5	21.1	21.0	21.6	22.1
	6H	19.2	19.7	19.7	20.2	20.7	20.8	21.3	21.3	21.8	22.3
	8H	19.2	19.6	19.7	20.1	20.7	20.9	21.4	21.4	21.8	22.4
	12H	19.2	19.6	19.8	20.1	20.6	21.0	21.4	21.5	21.9	22.4
12H	4H	19.2	19.7	19.7	20.2	20.7	20.5	21.0	21.0	21.5	22.0
	6H	19.3	19.6	19.8	20.1	20.7	20.8	21.2	21.3	21.7	22.2
	8H	19.3	19.6	19.8	20.1	20.6	20.9	21.3	21.5	21.8	22.3

<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>
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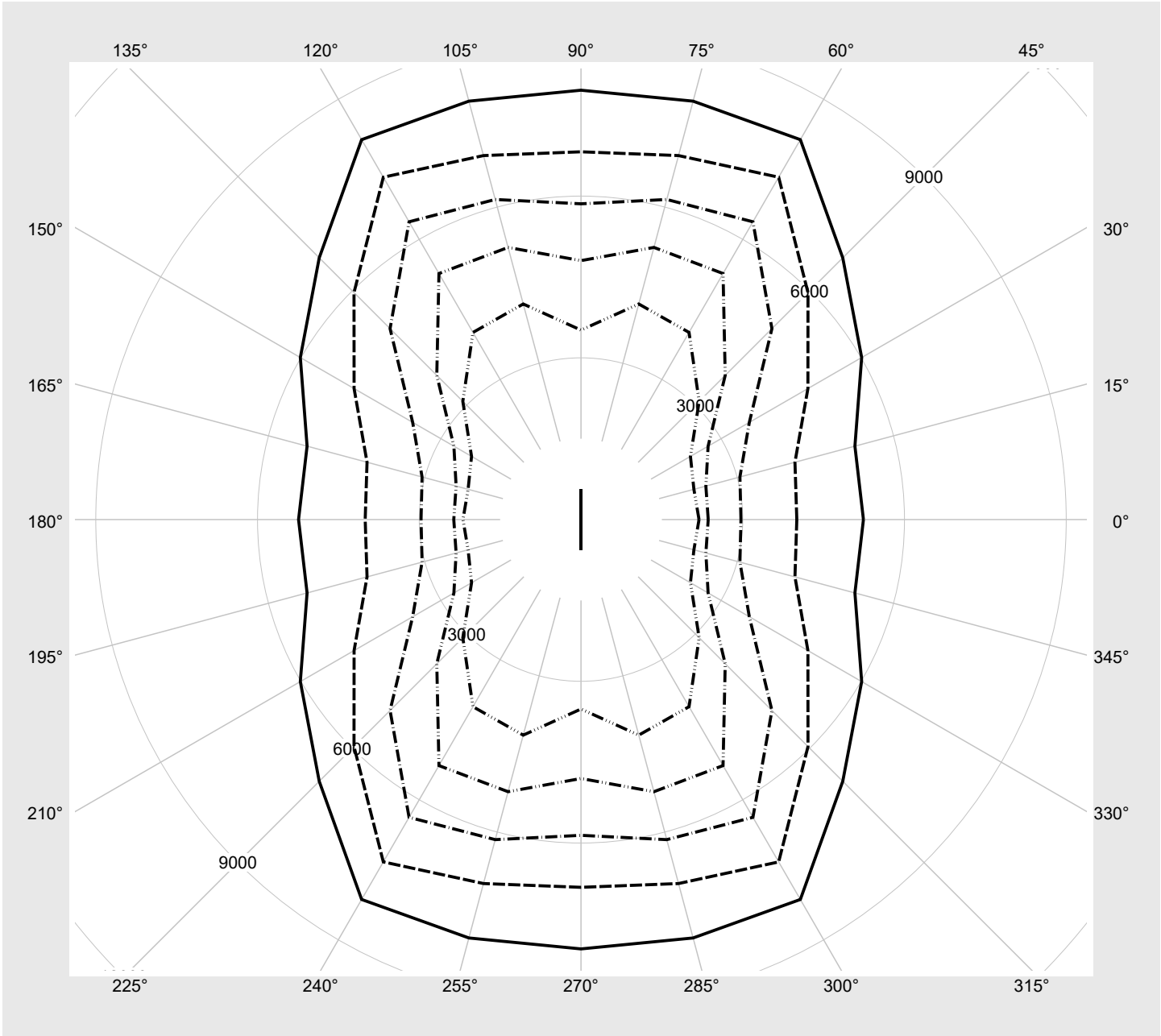
C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		15761.5	15646.7	14868.0	15012.7	17948.8	20199.8	20876.5	
50°		10634.5	10531.6	9999.7	10615.4	13373.0	15103.9	15494.4	
55°		8139.7	8089.9	8094.3	8742.8	10866.0	11959.7	12104.5	
60°		6540.1	6507.8	6994.7	7790.2	9250.8	9646.2	9637.1	
65°		5238.7	5260.1	6011.3	6866.2	8137.3	8034.7	7964.2	
70°		4002.9	4108.6	4859.9	5954.3	7332.9	6989.8	6821.8	
75°		2966.9	3051.6	3605.2	5008.3	6377.8	6146.7	5857.1	
80°		2359.7	2398.0	2722.4	3782.8	5269.7	5226.0	4803.1	
85°		2189.1	2168.0	2344.3	3099.8	4008.2	4139.8	3514.6	

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**Luminance values in cd/m<sup>2</sup>**

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	8910	55.4
95	241	252	8475	52.5
90	227	250	8027	49.3
85	213	248	7579	46.3
80	200	245	7140	43.6
75	186	243	6669	40.5
70	173	240	6231	37.7
65	160	237	5792	35.0
60	147	234	5355	32.2
55	134	231	4892	29.4
50	122	227	4465	26.9
45	109	223	4026	24.4
40	97	219	3575	21.9
35	84	213	3113	19.2
30	72	208	2686	16.7
25	60	201	2234	14.2
20	48	193	1782	11.7
15	35	181	1319	9.2
10	24	168	904	7.1
5	13	145	464	4.9