
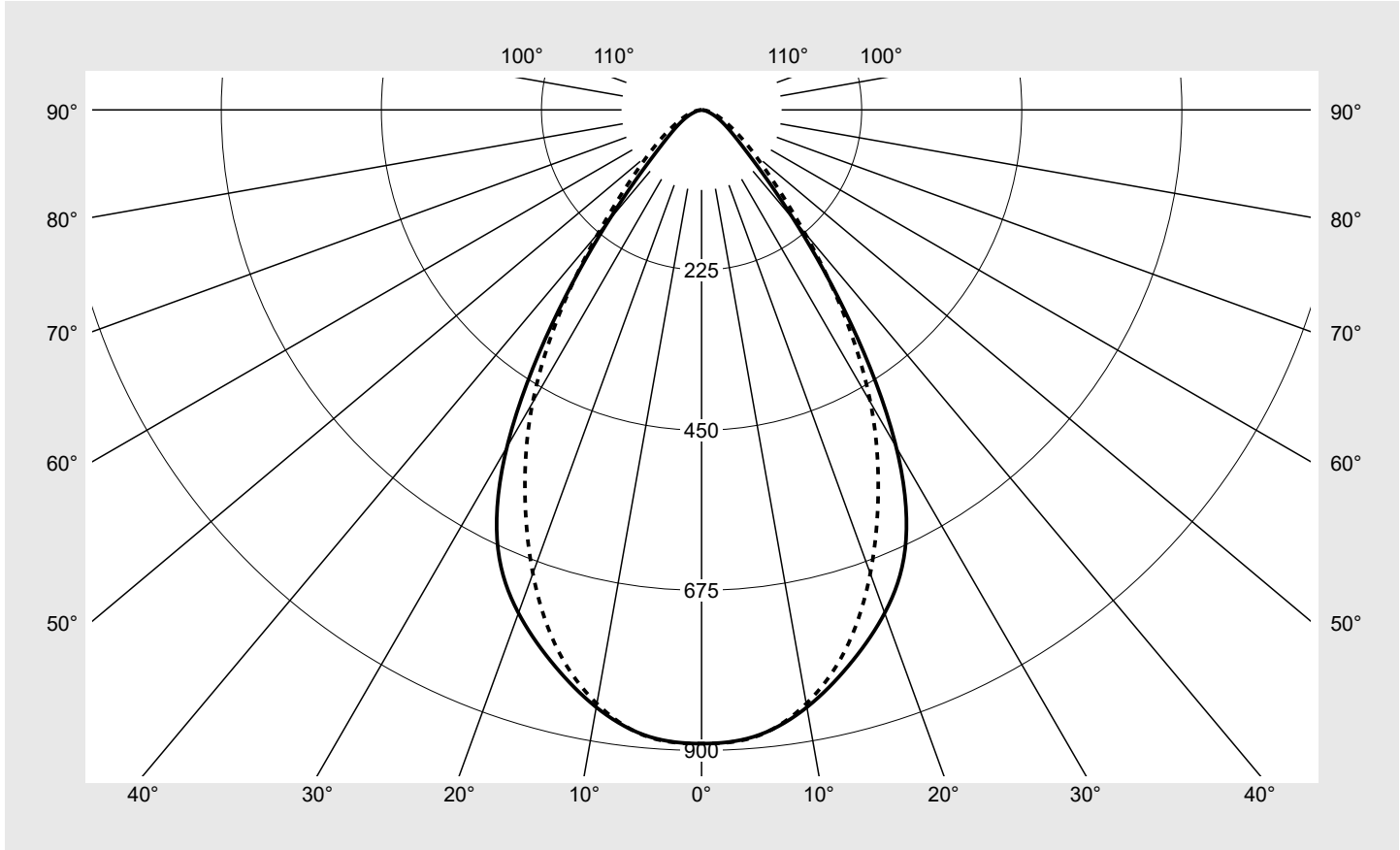


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL18DE445G</b> <b>EAN: 4058352929803</b>	<b>LP number</b> <b>58691_154</b>
	<b>Version</b> cover frosted, medium distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 4970 lm Power consumption = 29.6 W Luminous efficacy = 167.9 lm/W	<b>serial documentation</b> <b>21.09.2023</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>



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	18.9	20.2	19.3	20.5	20.9	19.9	21.2	20.2	21.5	21.8
	3H	19.1	20.3	19.5	20.6	21.0	20.3	21.5	20.7	21.8	22.2
	4H	19.1	20.2	19.5	20.6	20.9	20.5	21.6	20.9	22.0	22.3
	6H	19.1	20.1	19.6	20.5	20.9	20.7	21.6	21.1	22.0	22.4
	8H	19.2	20.1	19.7	20.4	20.8	20.8	21.6	21.2	22.0	22.4
	12H	19.2	20.0	19.6	20.4	20.8	20.8	21.6	21.2	21.9	22.4
4H	2H	19.1	20.2	19.5	20.5	20.9	19.9	21.0	20.3	21.4	21.7
	3H	19.4	20.3	19.8	20.7	21.1	20.6	21.5	21.0	21.9	22.3
	4H	19.4	20.2	19.9	20.6	21.1	20.9	21.7	21.3	22.1	22.5
	6H	19.5	20.1	19.9	20.6	21.0	21.1	21.8	21.6	22.2	22.7
	8H	19.5	20.1	19.9	20.5	21.0	21.2	21.8	21.7	22.2	22.7
	12H	19.5	20.0	20.0	20.5	21.0	21.2	21.7	21.7	22.2	22.7
8H	4H	19.5	20.1	20.0	20.6	21.1	20.9	21.5	21.4	22.0	22.5
	6H	19.6	20.1	20.1	20.6	21.1	21.2	21.7	21.7	22.2	22.7
	8H	19.6	20.0	20.1	20.5	21.0	21.3	21.7	21.8	22.2	22.8
	12H	19.6	20.0	20.1	20.5	21.0	21.4	21.7	21.9	22.2	22.8
12H	4H	19.6	20.1	20.1	20.5	21.0	20.9	21.4	21.4	21.9	22.4
	6H	19.6	20.0	20.1	20.5	21.0	21.2	21.6	21.7	22.1	22.6
	8H	19.6	20.0	20.2	20.5	21.0	21.3	21.7	21.8	22.2	22.7

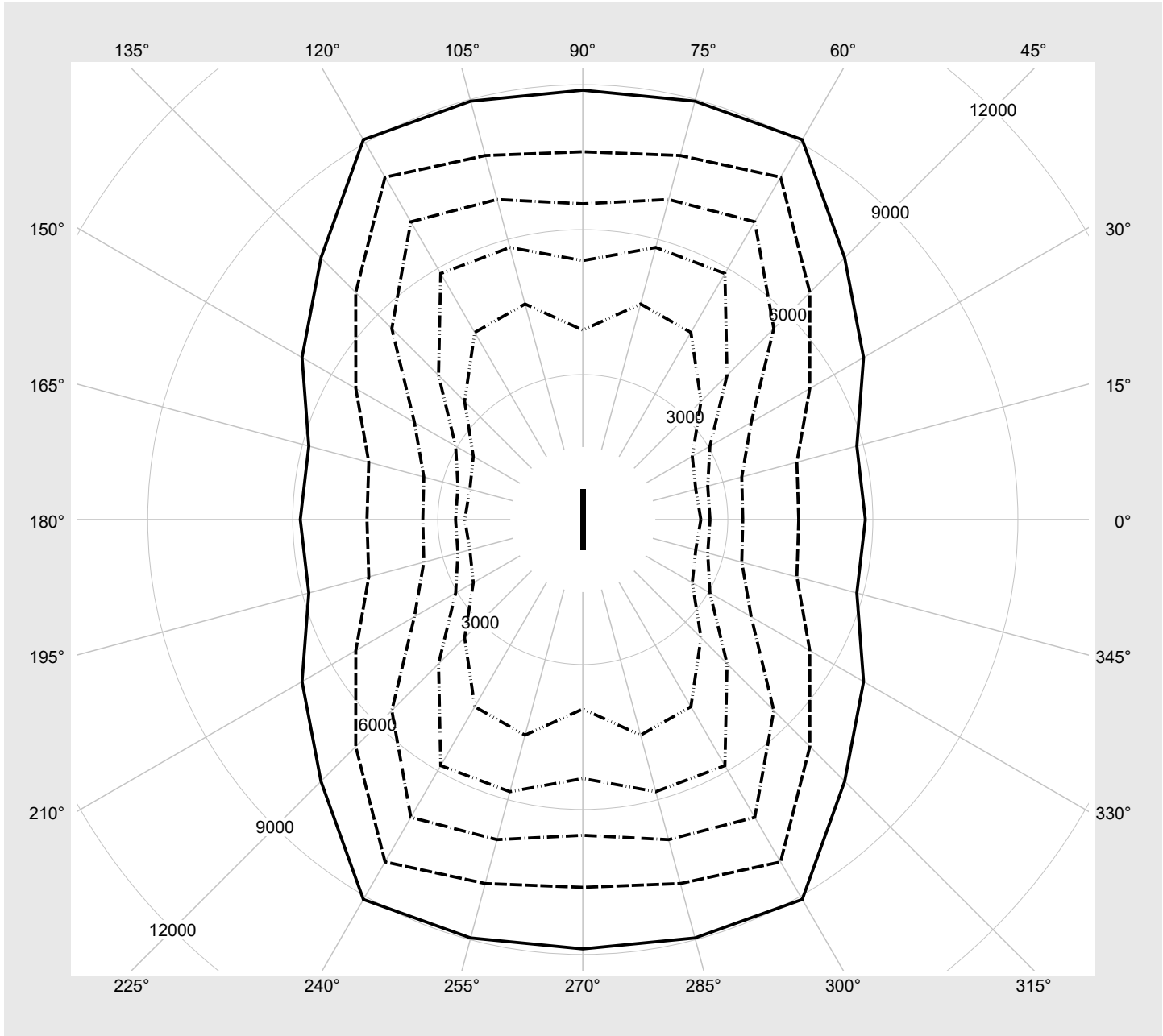
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 750</b>
			<b>B = 58</b>

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°		17583.6	17455.4	16586.8	16748.2	20023.7	22535.0	23289.8	
50°		11863.8	11749.0	11155.7	11842.5	14918.9	16850.0	17285.6	
55°		9080.6	9025.1	9030.1	9753.5	12122.1	13342.2	13503.7	
60°		7296.2	7260.1	7803.2	8690.8	10320.2	10761.2	10751.2	
65°		5844.3	5868.1	6706.2	7660.0	9077.9	8963.6	8884.9	
70°		4465.6	4583.5	5421.7	6642.6	8180.6	7797.8	7610.4	
75°		3309.9	3404.4	4022.0	5587.3	7115.1	6857.3	6534.2	
80°		2632.5	2675.2	3037.1	4220.1	5878.8	5830.1	5358.4	
85°		2442.2	2418.6	2615.3	3458.2	4471.5	4618.3	3920.9	

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



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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	4970	29.6
95	240	252	4720	28.0
90	226	250	4465	26.3
85	213	248	4226	24.8
80	199	245	3968	23.2
75	186	243	3725	21.7
70	173	240	3481	20.1
65	160	237	3235	18.6
60	147	234	2985	17.1
55	134	231	2733	15.6
50	121	227	2478	14.3
45	109	223	2242	13.1
40	96	218	1982	11.7
35	84	213	1742	10.4
30	72	208	1499	9.1
25	60	201	1252	7.7
20	47	192	985	6.1
15	35	181	737	4.8
10	24	168	506	3.4
8	18	157	378	2.7