
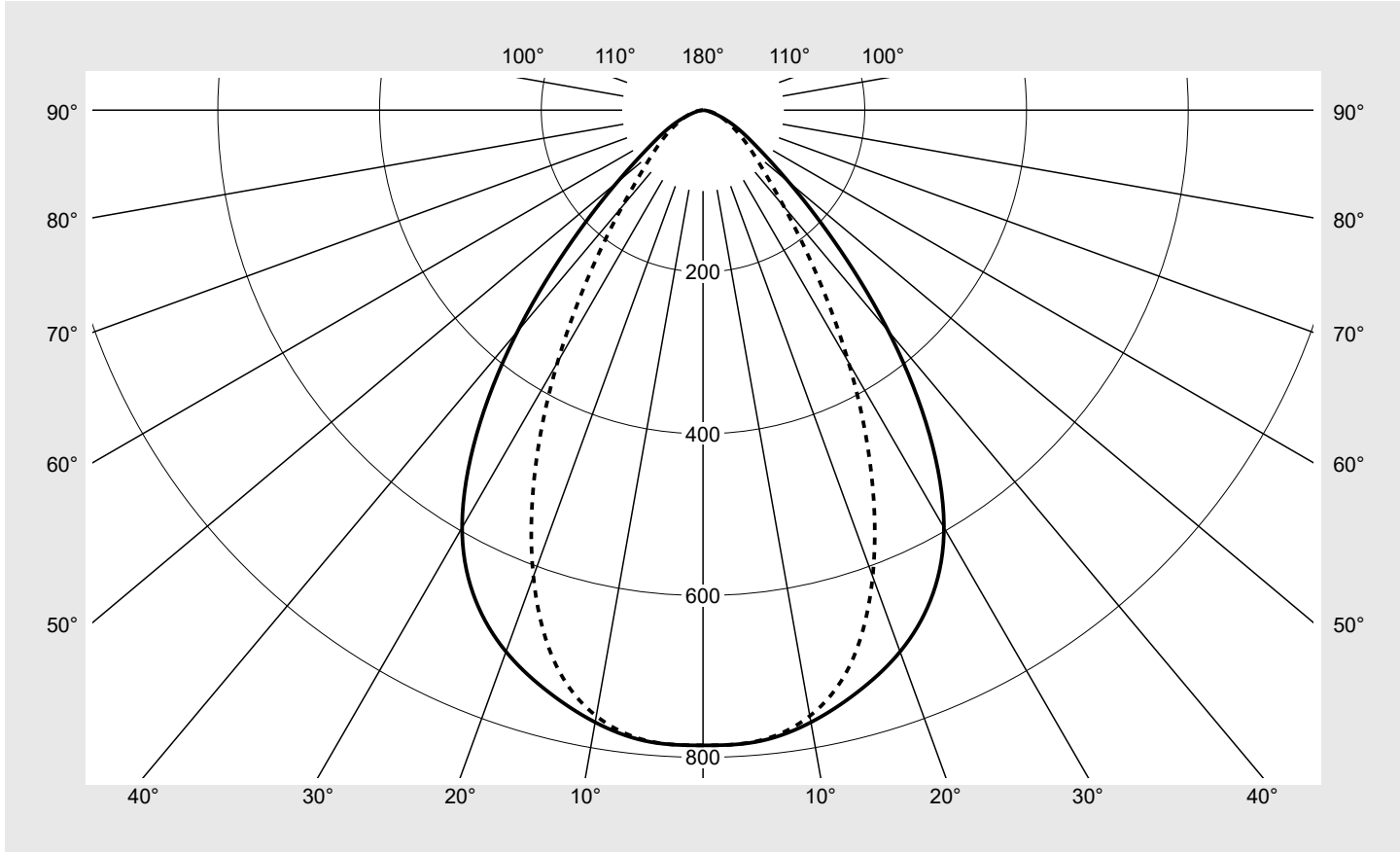


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL18DN6D5M</b> <b>EAN: 4069025457400</b>	<b>LP number</b> <b>58690_137</b>
	<b>Version</b> cover frosted, medium distribution, high visual comfort <b>Lamps</b> LED 6500 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 13570 lm Power consumption = 76.8 W Luminous efficacy = 176.7 lm/W	<b>serial documentation</b> <b>27.05.2025</b>
		

**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	
$\eta_{LB}$	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°	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

## 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	22.8	24.1	23.1	24.4	24.8	20.1	21.5	20.5	21.8	22.1
	3H	23.0	24.2	23.4	24.6	24.9	20.8	22.0	21.2	22.4	22.7
	4H	23.1	24.2	23.5	24.5	24.9	21.1	22.2	21.5	22.6	22.9
	6H	23.1	24.1	23.5	24.4	24.8	21.3	22.3	21.7	22.7	23.0
	8H	23.2	24.0	23.6	24.4	24.8	21.4	22.3	21.8	22.7	23.1
	12H	23.2	23.9	23.6	24.3	24.8	21.4	22.2	21.8	22.6	23.0
4H	2H	22.9	24.0	23.2	24.3	24.7	20.6	21.7	21.0	22.0	22.4
	3H	23.2	24.1	23.6	24.5	24.9	21.5	22.4	21.9	22.8	23.2
	4H	23.3	24.1	23.7	24.5	25.0	21.9	22.7	22.4	23.1	23.6
	6H	23.3	24.0	23.8	24.4	24.9	22.2	22.9	22.6	23.3	23.8
	8H	23.3	23.9	23.8	24.4	24.9	22.3	22.9	22.7	23.3	23.8
	12H	23.4	23.9	23.8	24.3	24.8	22.3	22.9	22.8	23.3	23.8
8H	4H	23.3	24.0	23.8	24.4	24.9	22.1	22.7	22.5	23.1	23.6
	6H	23.4	23.9	23.9	24.4	24.9	22.4	22.9	22.9	23.4	23.9
	8H	23.4	23.8	23.9	24.3	24.8	22.6	23.0	23.1	23.5	24.0
	12H	23.4	23.8	23.9	24.3	24.8	22.6	23.0	23.2	23.5	24.1
12H	4H	23.4	23.9	23.8	24.4	24.9	22.1	22.6	22.6	23.1	23.6
	6H	23.4	23.8	23.9	24.3	24.8	22.5	22.9	23.0	23.4	23.9
	8H	23.4	23.8	23.9	24.3	24.8	22.6	23.0	23.1	23.5	24.0

<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>
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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°	50693.3	46904.9	38051.5	30277.5	26185.0	23994.1	23480.1		
50°	33651.0	31040.9	25447.0	21745.2	20279.3	19217.7	18965.6		
55°	23418.5	21692.7	18836.0	17797.8	17324.9	16364.7	15911.3		
60°	18033.4	16814.3	15762.1	16143.9	15787.7	14394.8	13442.4		
65°	14014.1	13313.6	13898.9	14716.0	14781.7	12872.9	11594.1		
70°	10003.4	9815.0	11064.1	12930.7	13592.0	11743.6	10200.8		
75°	7013.6	6846.7	7679.0	10572.9	11909.5	10513.8	8880.0		
80°	5226.8	5078.6	5497.2	7682.6	9753.0	8930.3	7329.6		
85°	4356.0	4153.7	4356.0	5794.8	7163.9	7067.3	5428.0		

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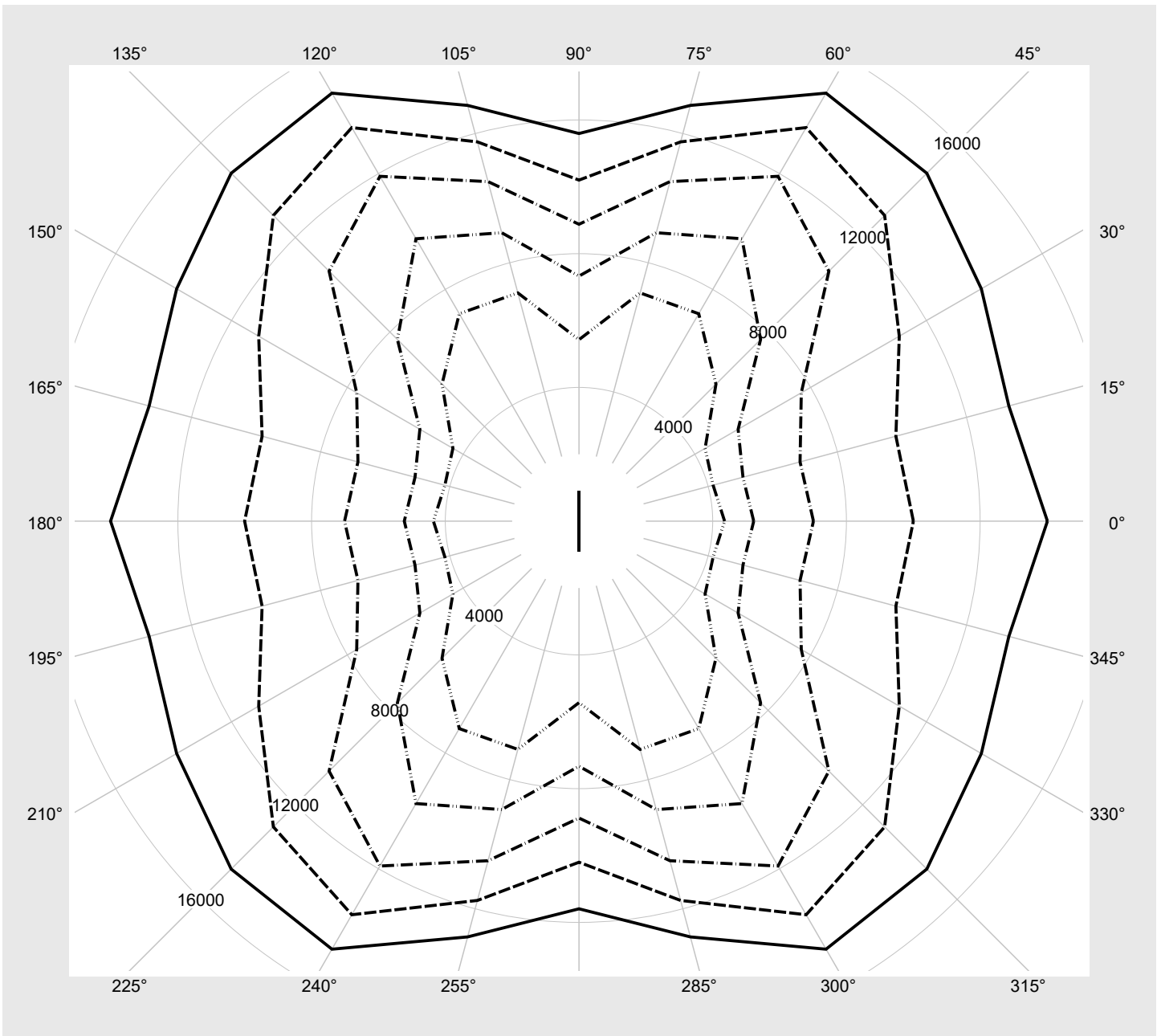
**Family**  
Licross® 11 Recessed

**Order number: 51TL18DN6D5M**  
**EAN: 4069025457400**

**LP number**  
**58690\_137**

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

$\gamma$  65°  
   $\gamma$  70°  
   $\gamma$  75°  
   $\gamma$  80°  
   $\gamma$  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	13570	76.8
95	240	252	12872	72.6
90	227	250	12219	68.6
85	214	248	11559	64.6
80	200	245	10845	60.3
75	187	243	10177	56.5
70	174	240	9505	52.6
65	161	237	8829	48.7
60	148	234	8144	44.8
55	135	231	7458	41.0
50	122	227	6762	37.3
45	110	223	6118	33.8
40	97	219	5413	30.0
35	85	214	4756	26.6
30	73	208	4096	23.2
25	60	201	3377	19.5
20	48	193	2705	16.1
15	36	182	2032	12.6
10	24	168	1355	9.2
5	12	142	670	5.9
2	4	102	211	3.6