
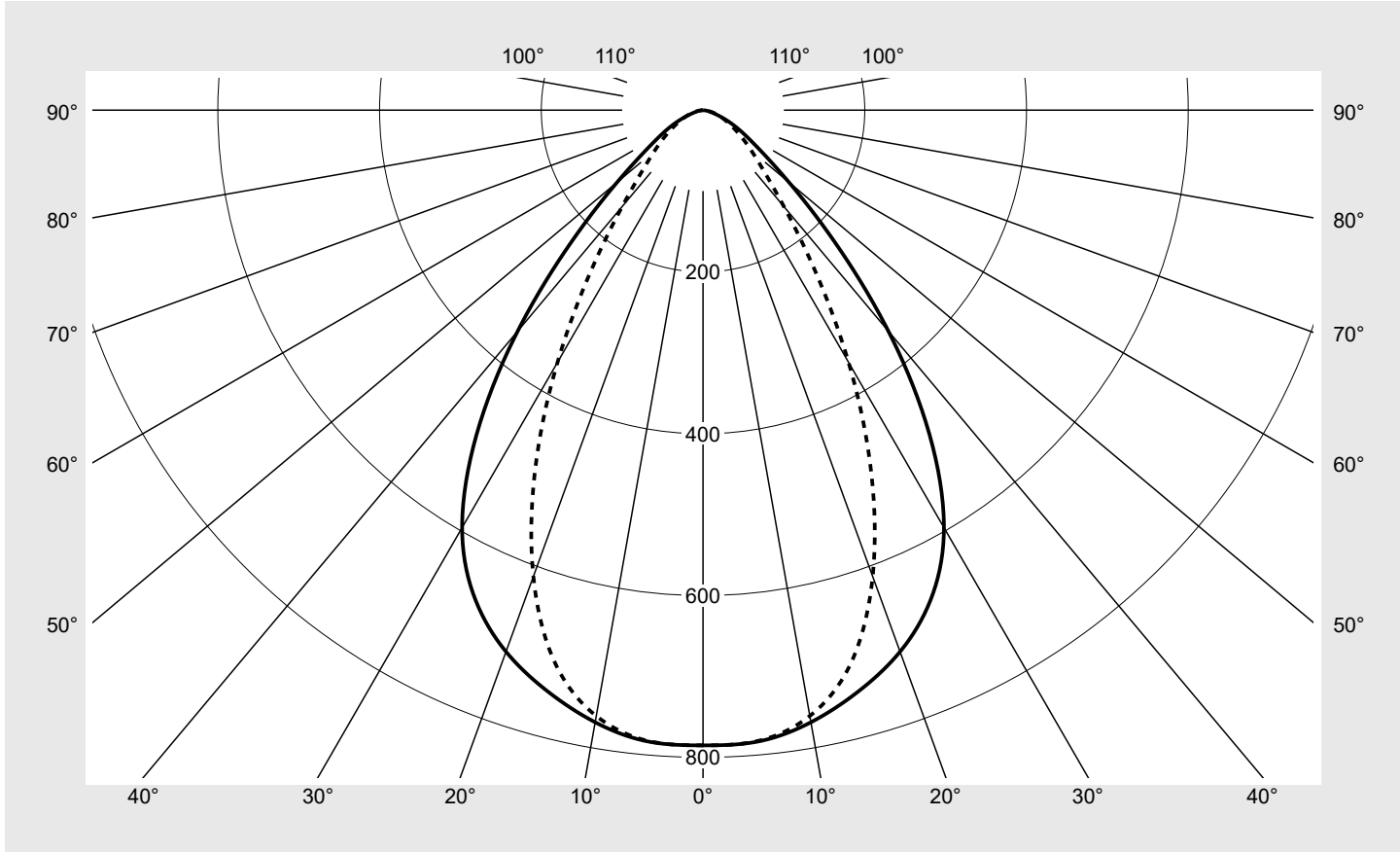


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TE18DN4D5M</b> <b>EAN: 4058352926727</b>	<b>LP number</b> <b>58690_86</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 = 13890 lm Power consumption = 76.8 W Luminous efficacy = 180.9 lm/W	<b>serial documentation</b> <b>21.09.2023</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

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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	22.9	24.2	23.2	24.5	24.8	20.2	21.6	20.6	21.9	22.2
	3H	23.1	24.3	23.5	24.6	25.0	20.9	22.1	21.3	22.4	22.8
	4H	23.2	24.3	23.6	24.6	25.0	21.2	22.3	21.6	22.6	23.0
	6H	23.2	24.2	23.6	24.5	24.9	21.3	22.4	21.7	22.7	23.1
	8H	23.3	24.1	23.7	24.5	24.9	21.4	22.4	21.9	22.7	23.1
	12H	23.2	24.0	23.7	24.4	24.8	21.4	22.3	21.9	22.7	23.1
4H	2H	22.9	24.1	23.3	24.4	24.8	20.7	21.8	21.1	22.1	22.5
	3H	23.3	24.2	23.7	24.6	25.0	21.6	22.5	22.0	22.9	23.3
	4H	23.4	24.2	23.8	24.6	25.0	22.0	22.8	22.4	23.2	23.7
	6H	23.4	24.1	23.9	24.5	25.0	22.3	23.0	22.7	23.4	23.9
	8H	23.4	24.0	23.9	24.5	25.0	22.3	23.0	22.8	23.4	23.9
	12H	23.4	23.9	23.9	24.4	24.9	22.4	22.9	22.9	23.4	23.9
8H	4H	23.4	24.1	23.9	24.5	25.0	22.1	22.8	22.6	23.2	23.7
	6H	23.5	24.0	24.0	24.5	25.0	22.5	23.0	23.0	23.5	24.0
	8H	23.5	23.9	24.0	24.4	24.9	22.6	23.1	23.1	23.6	24.1
	12H	23.5	23.8	24.0	24.3	24.9	22.7	23.1	23.2	23.6	24.1
12H	4H	23.4	24.0	23.9	24.4	24.9	22.2	22.7	22.7	23.1	23.6
	6H	23.5	23.9	24.0	24.4	24.9	22.5	23.0	23.1	23.4	24.0
	8H	23.5	23.8	24.0	24.4	24.9	22.7	23.0	23.2	23.5	24.1

<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°		51888.7	48011.0	38948.9	30991.5	26802.4	24559.9	24033.8	
50°		34444.5	31772.9	26047.0	22258.0	20757.6	19670.9	19412.8	
55°		23970.7	22204.3	19280.2	18217.5	17733.4	16750.6	16286.6	
60°		18458.7	17210.8	16133.8	16524.6	16160.0	14734.3	13759.4	
65°		14344.5	13627.5	14226.7	15063.1	15130.3	13176.5	11867.5	
70°		10239.3	10046.5	11325.0	13235.7	13912.5	12020.6	10441.4	
75°		7179.0	7008.1	7860.0	10822.2	12190.4	10761.7	9089.4	
80°		5350.1	5198.4	5626.8	7863.8	9983.0	9140.8	7502.4	
85°		4458.7	4251.7	4458.7	5931.5	7332.8	7233.9	5556.0	

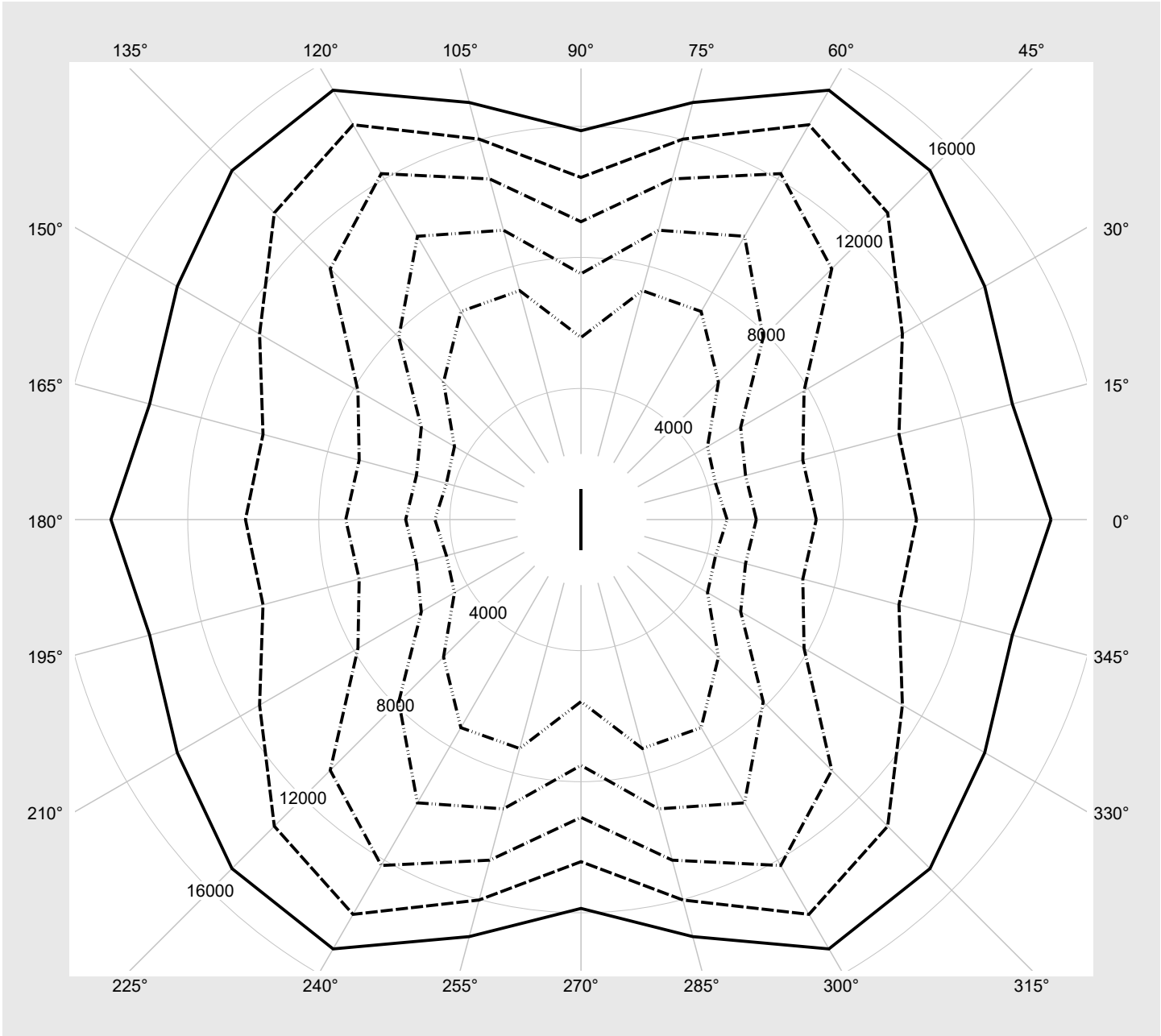
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 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	13890	76.8
95	240	252	13179	72.6
90	227	250	12514	68.6
85	213	248	11789	64.3
80	200	245	11112	60.3
75	187	243	10430	56.5
70	174	240	9744	52.6
65	161	237	9053	48.7
60	148	234	8353	44.8
55	135	231	7651	41.0
50	122	227	6940	37.3
45	109	223	6225	33.5
40	97	219	5558	30.0
35	85	214	4885	26.6
30	72	208	4152	22.9
25	60	201	3470	19.5
20	48	193	2781	16.1
15	36	182	2090	12.6
10	24	168	1393	9.2
5	12	142	689	5.9
2	4	102	217	3.6