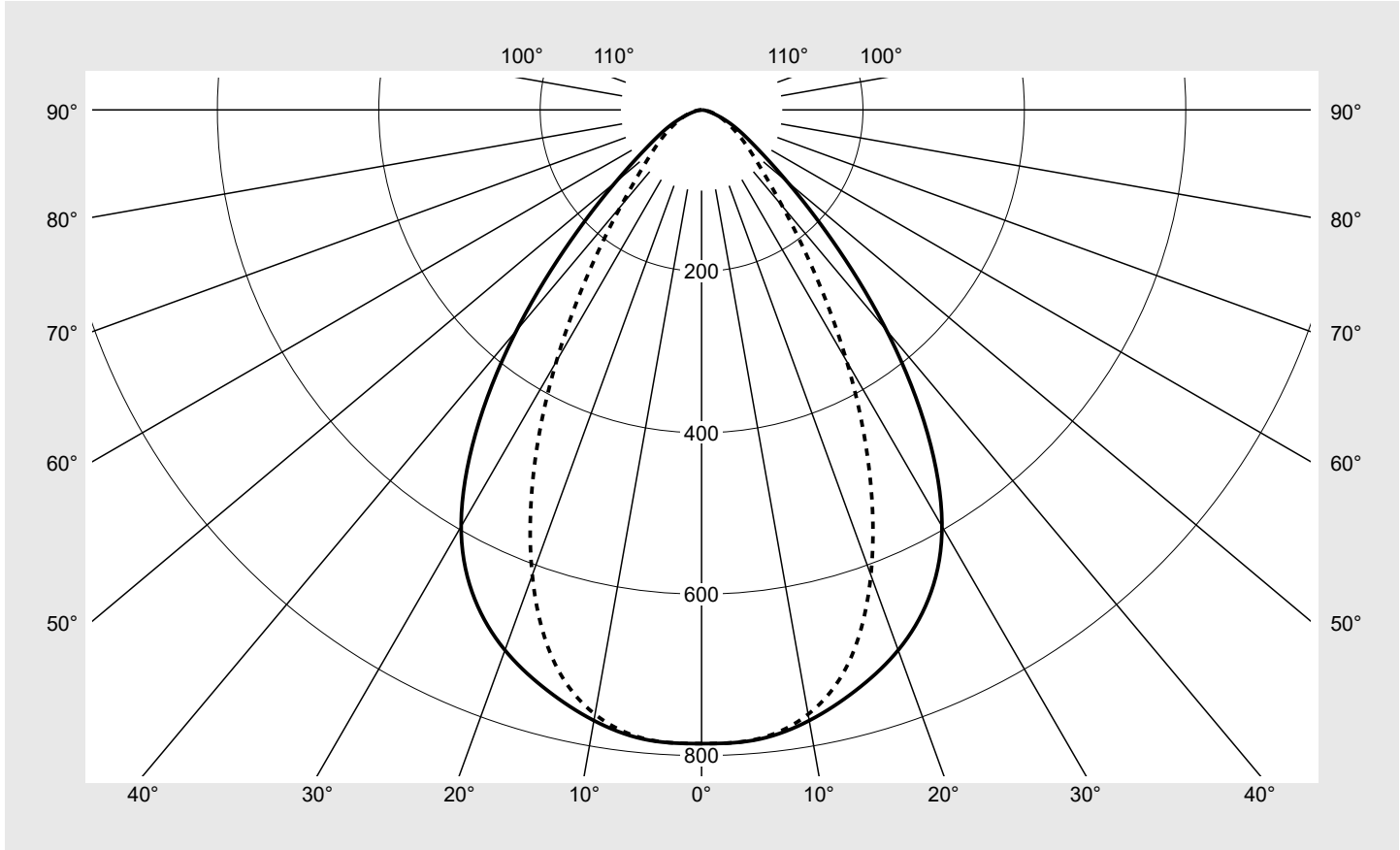


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TE18DV4M5M</b> <b>EAN: 4058352965283</b>	<b>LP number</b> <b>58690_87</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 = 25960 lm Power consumption = 144.7 W Luminous efficacy = 179.4 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	23.6	25.0	24.0	25.3	25.6	21.0	22.3	21.3	22.7	23.0
	3H	23.9	25.1	24.3	25.4	25.8	21.7	22.9	22.0	23.2	23.6
	4H	23.9	25.0	24.3	25.4	25.7	21.9	23.1	22.3	23.4	23.8
	6H	23.9	24.9	24.3	25.3	25.7	22.1	23.1	22.5	23.5	23.9
	8H	24.0	24.9	24.4	25.2	25.7	22.2	23.1	22.6	23.5	23.9
	12H	24.0	24.8	24.4	25.2	25.6	22.2	23.1	22.6	23.5	23.9
4H	2H	23.7	24.8	24.1	25.2	25.5	21.4	22.5	21.8	22.9	23.3
	3H	24.1	25.0	24.5	25.4	25.8	22.4	23.3	22.8	23.7	24.1
	4H	24.1	25.0	24.6	25.4	25.8	22.8	23.6	23.2	24.0	24.4
	6H	24.2	24.9	24.6	25.3	25.8	23.0	23.7	23.5	24.2	24.6
	8H	24.2	24.8	24.6	25.2	25.7	23.1	23.7	23.6	24.2	24.7
	12H	24.2	24.7	24.7	25.2	25.7	23.2	23.7	23.6	24.2	24.7
8H	4H	24.2	24.8	24.7	25.3	25.7	22.9	23.5	23.4	24.0	24.5
	6H	24.2	24.7	24.7	25.2	25.7	23.3	23.8	23.8	24.3	24.8
	8H	24.2	24.7	24.7	25.2	25.7	23.4	23.9	23.9	24.3	24.9
	12H	24.2	24.6	24.8	25.1	25.7	23.5	23.9	24.0	24.4	24.9
12H	4H	24.2	24.7	24.7	25.2	25.7	22.9	23.4	23.4	23.9	24.4
	6H	24.2	24.7	24.7	25.2	25.7	23.3	23.7	23.8	24.2	24.7
	8H	24.2	24.6	24.8	25.1	25.7	23.4	23.8	24.0	24.3	24.9

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 2250</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°		64652.3	59820.8	48529.5	38614.7	33395.3	30601.2	29945.7	
50°		42917.2	39588.5	32454.1	27733.1	25863.5	24509.6	24188.0	
55°		29867.0	27666.1	24022.8	22698.6	22095.5	20870.9	20292.7	
60°		22999.2	21444.4	20102.4	20589.4	20135.0	18358.6	17143.9	
65°		17873.0	16979.6	17726.2	18768.3	18852.1	16417.6	14786.6	
70°		12757.9	12517.7	14110.8	16491.4	17334.7	14977.4	13009.8	
75°		8944.9	8732.0	9793.4	13484.2	15189.0	13408.9	11325.3	
80°		6666.1	6477.1	7010.9	9798.1	12438.7	11389.3	9347.9	
85°		5555.4	5297.5	5555.4	7390.5	9136.6	9013.3	6922.6	

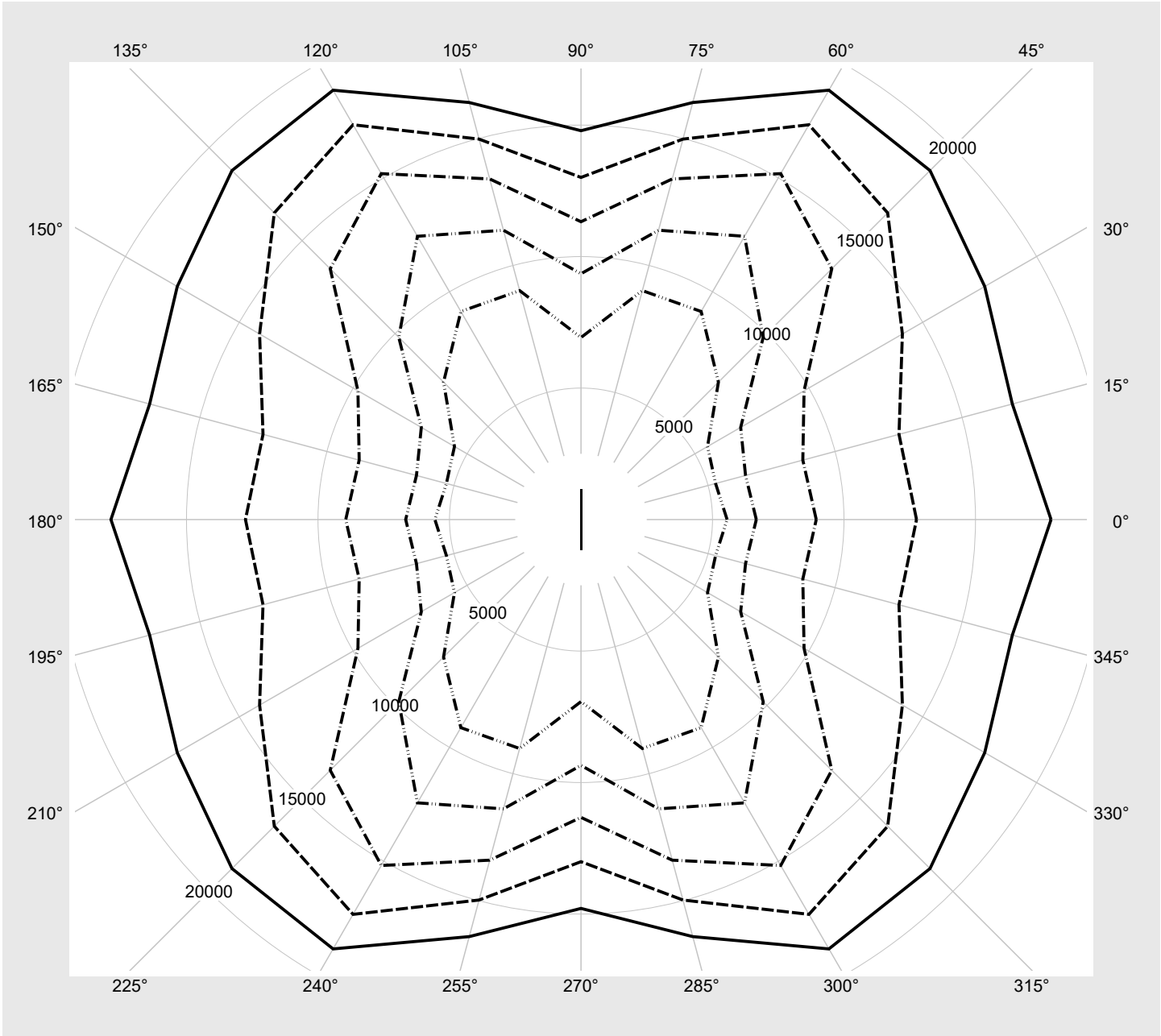
**Photometric test report**

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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	25960	144.7
95	240	252	24678	136.3
90	226	250	23372	128.0
85	212	247	22044	119.7
80	199	245	20795	112.1
75	185	242	19438	103.9
70	172	240	18157	96.6
65	159	237	16863	89.2
60	146	234	15563	82.0
55	133	230	14250	74.8
50	121	227	13026	68.1
45	108	223	11685	60.9
40	96	218	10433	54.4
35	83	213	9067	47.3
30	71	207	7787	40.8
25	59	201	6494	34.1
20	47	192	5194	27.6
15	35	181	3878	20.9
10	23	166	2550	14.1
5	12	142	1325	7.7
2	4	102	424	2.7