
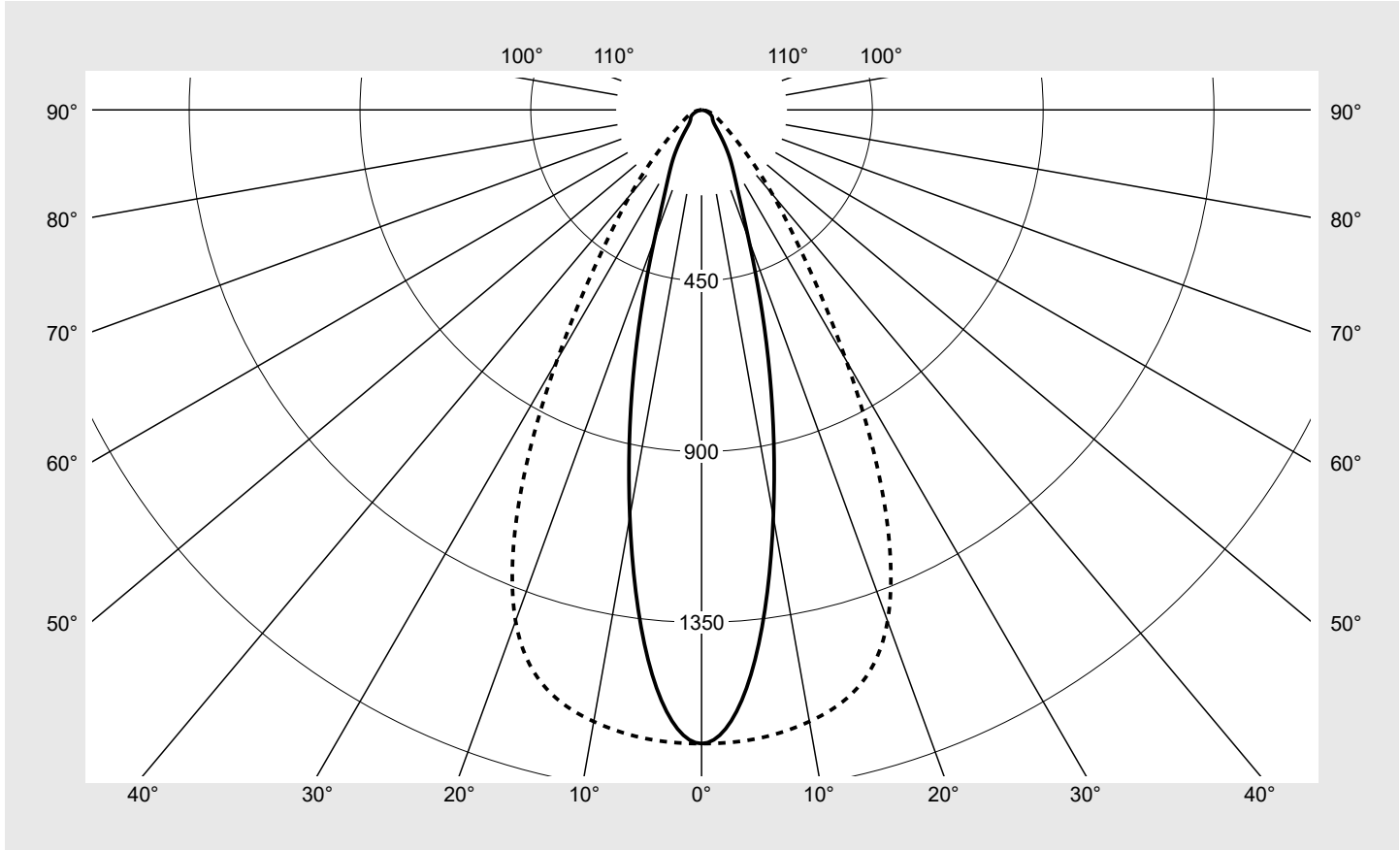


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL1EDN4D5S</b> <b>EAN: 4058352927021</b>	<b>LP number</b> <b>59263_181</b>
	<b>Version</b> cover frosted, elliptical narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 13670 lm Power consumption = 76.8 W Luminous efficacy = 178 lm/W	<b>serial documentation</b> <b>14.09.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 1670 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=85 N2=95 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°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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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**siteco**

UGR-Table		Standard room									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	16.2	17.5	16.6	17.8	18.1	21.2	22.5	21.6	22.8	23.1
	3H	17.4	18.5	17.8	18.8	19.2	21.8	22.9	22.2	23.2	23.6
	4H	17.8	18.8	18.2	19.2	19.5	22.1	23.1	22.5	23.4	23.8
	6H	18.0	19.0	18.4	19.3	19.7	22.3	23.2	22.7	23.6	24.0
	8H	18.2	19.0	18.6	19.4	19.8	22.5	23.2	22.9	23.6	24.0
	12H	18.2	19.0	18.6	19.4	19.8	22.5	23.2	22.9	23.6	24.0
4H	2H	17.1	18.0	17.5	18.4	18.8	21.2	22.3	21.6	22.6	23.0
	3H	18.5	19.3	18.9	19.7	20.1	21.9	22.8	22.4	23.2	23.6
	4H	19.0	19.7	19.4	20.1	20.6	22.3	23.1	22.8	23.5	23.9
	6H	19.3	19.9	19.7	20.4	20.8	22.6	23.2	23.1	23.7	24.1
	8H	19.4	20.0	19.9	20.4	20.9	22.7	23.3	23.2	23.7	24.2
	12H	19.5	20.0	20.0	20.5	21.0	22.8	23.3	23.3	23.7	24.2
8H	4H	19.5	20.0	20.0	20.5	20.9	22.4	23.0	22.9	23.4	23.9
	6H	19.9	20.4	20.4	20.8	21.4	22.8	23.3	23.3	23.8	24.3
	8H	20.1	20.5	20.6	21.0	21.5	23.0	23.4	23.5	23.8	24.4
	12H	20.2	20.5	20.7	21.0	21.6	23.0	23.4	23.6	23.9	24.4
12H	4H	19.5	20.0	20.0	20.4	20.9	22.4	22.9	22.9	23.4	23.9
	6H	20.0	20.4	20.5	20.9	21.4	22.8	23.2	23.3	23.7	24.2
	8H	20.2	20.6	20.7	21.1	21.6	23.0	23.3	23.5	23.8	24.4

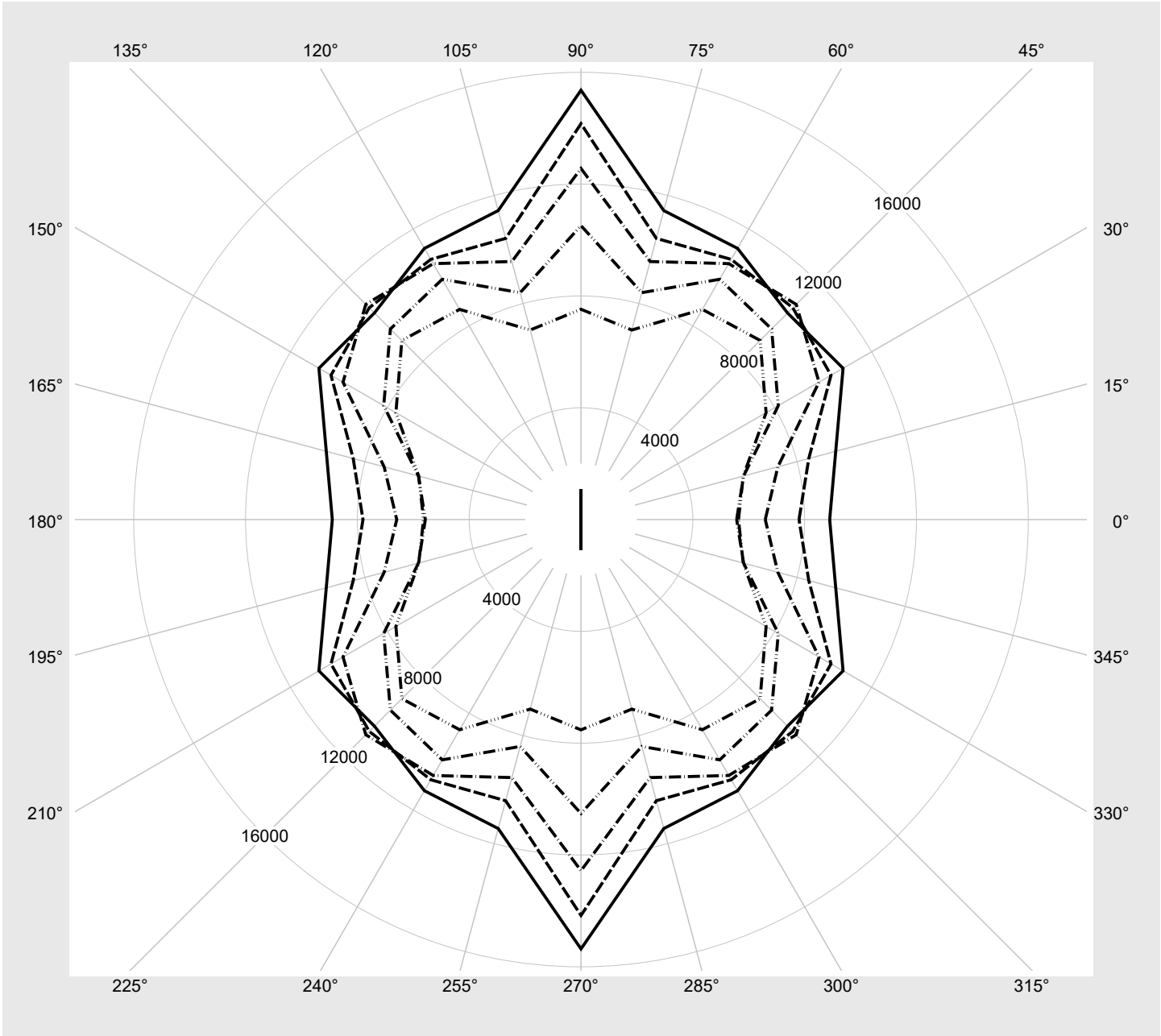
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

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°		9663.7	10193.9	12922.0	19171.9	22117.5	32309.4	39317.9
50°		9225.1	9528.5	10461.5	14919.7	16698.3	21836.3	26677.8
55°		9468.0	9582.8	10059.1	11909.6	13838.7	16334.0	20194.7
60°		9476.6	9788.0	10312.2	10755.9	12128.0	13192.6	16810.0
65°		8896.3	9433.9	10825.5	10450.7	11202.1	11443.4	15360.2
70°		7799.4	8436.1	10327.0	10714.3	10748.3	10413.4	14162.6
75°		6591.2	7290.5	9831.2	10886.9	10572.5	9556.2	12560.1
80°		5568.5	6021.8	8149.1	9643.0	9926.3	8404.3	10514.4
85°		5633.8	6008.8	7645.8	9062.8	8682.4	7020.2	7523.2

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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	13670	76.8
95	240	252	12970	72.6
90	227	250	12315	68.6
85	213	248	11602	64.3
80	200	245	10936	60.3
75	187	243	10265	56.5
70	174	240	9590	52.6
65	161	237	8910	48.7
60	148	234	8220	44.8
55	135	231	7530	41.0
50	122	227	6830	37.3
45	109	223	6127	33.5
40	97	219	5470	30.0
35	85	214	4808	26.6
30	72	208	4086	22.9
25	60	201	3415	19.5
20	48	193	2737	16.1
15	36	182	2056	12.6
10	24	168	1371	9.2
5	12	142	678	5.9
2	4	102	214	3.6