

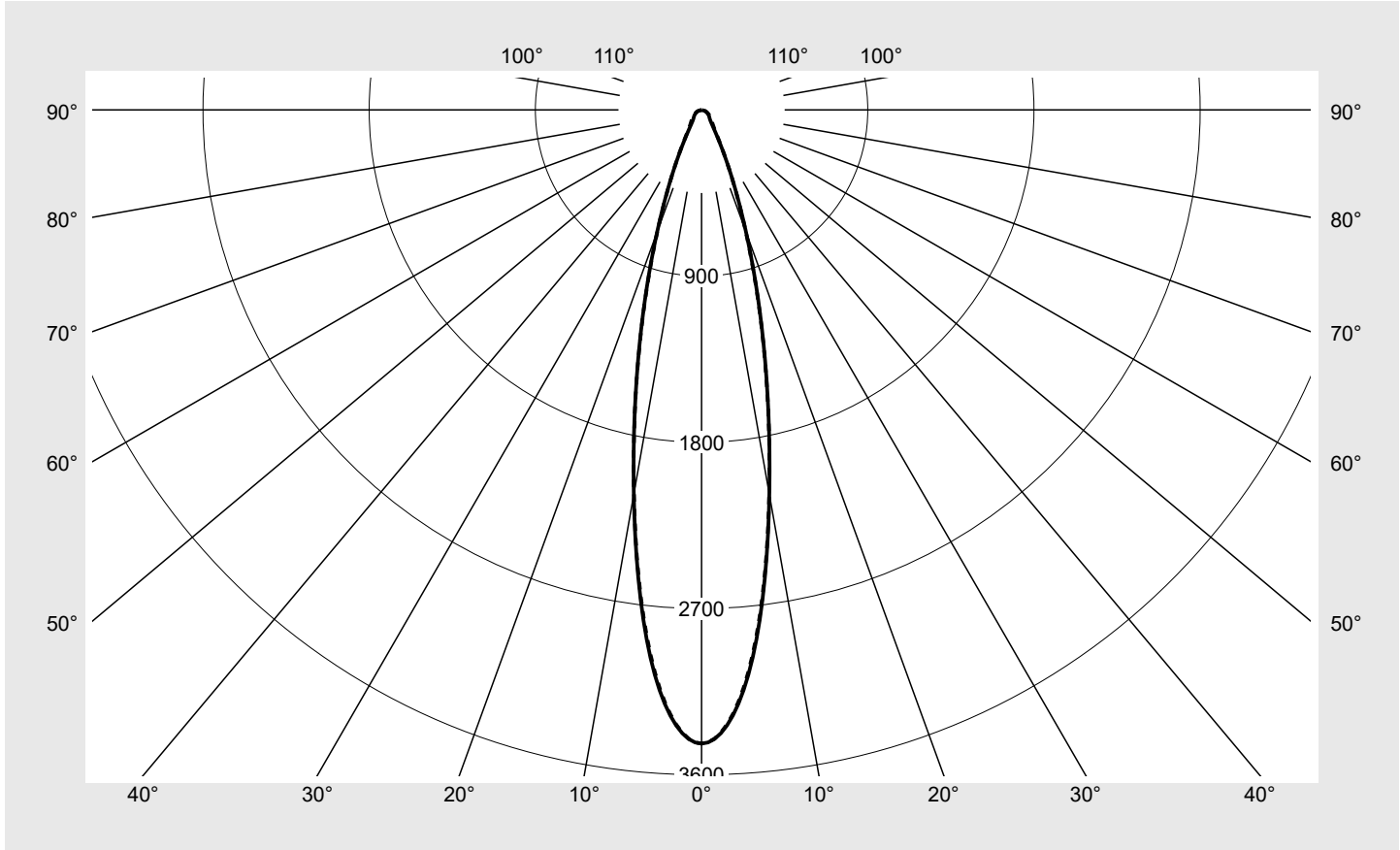


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL11DV4M1R</b> <b>EAN: 4058352448960</b>	<b>LP number</b> <b>58784_16</b>
	<b>Version</b> cover frosted, narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI	<b>serial documentation</b> <b>28.09.2020</b>
	<b>Rated values</b> Net luminous flux = 26170 lm Power consumption = 150.2 W Luminous efficacy = 174.2 lm/W	

Luminous intensity in cd/klm C180-0 C270-90 Imax: 3431 cd/klm



Classifications	
DIN 5040	A 7 0
CIE	N1=87 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>
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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°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	20.5	20.5
5°	3030.0	3009.9	2995.2	3008.4	3015.8	3015.7	3017.5	143.9	164.4
10°	2113.5	2098.5	2092.1	2104.8	2111.9	2109.7	2109.2	200.3	364.7
15°	1287.2	1281.7	1283.9	1294.7	1294.7	1286.2	1283.2	182.7	547.4
20°	703.4	705.4	717.6	726.5	719.3	702.5	697.3	133.5	680.9
25°	354.0	358.8	370.9	376.0	367.5	355.6	354.0	84.3	765.2
30°	176.2	179.2	185.6	185.7	179.6	178.8	183.6	49.7	814.9
35°	102.4	102.6	103.9	102.5	99.6	107.7	116.7	32.8	847.7
40°	73.1	72.4	71.7	70.6	70.7	80.9	90.2	26.3	874.0
45°	60.7	58.7	57.0	56.9	57.9	66.7	75.5	23.6	897.6
50°	52.7	51.5	51.2	50.6	50.0	56.0	63.2	22.2	919.8
55°	44.8	43.4	45.4	45.0	43.0	46.3	51.7	20.3	940.1
60°	37.3	36.1	38.2	39.8	37.2	38.0	41.8	18.1	958.2
65°	29.8	28.9	31.0	34.0	31.7	30.7	33.0	15.5	973.8
70°	21.9	21.7	22.9	26.9	25.3	23.3	24.3	12.3	986.1
75°	12.2	12.7	14.5	18.5	17.7	15.7	16.0	8.2	994.3
80°	5.5	5.6	6.4	9.0	10.0	8.8	8.6	4.2	998.5
85°	2.2	2.1	2.4	3.2	3.5	3.4	3.0	1.6	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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UGR-Table	Standard room	<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	17.9	19.1	18.3	19.4	19.7	18.3	19.5	18.7	19.8	20.1
	3H	19.3	20.3	19.7	20.6	21.0	19.7	20.7	20.1	21.1	21.4
	4H	19.7	20.6	20.1	20.9	21.3	20.2	21.2	20.6	21.5	21.9
	6H	19.8	20.6	20.2	21.0	21.4	20.6	21.4	21.0	21.8	22.2
	8H	19.9	20.6	20.4	21.0	21.4	20.7	21.4	21.2	21.8	22.2
	12H	19.9	20.6	20.3	21.0	21.4	20.8	21.4	21.2	21.8	22.2
4H	2H	18.7	19.6	19.1	19.9	20.3	19.0	19.9	19.4	20.2	20.6
	3H	20.2	20.9	20.6	21.3	21.7	20.6	21.3	21.0	21.7	22.1
	4H	20.6	21.3	21.0	21.7	22.1	21.2	21.9	21.6	22.3	22.7
	6H	20.8	21.4	21.3	21.8	22.3	21.6	22.2	22.1	22.6	23.1
	8H	20.8	21.3	21.3	21.8	22.3	21.7	22.2	22.2	22.7	23.2
	12H	20.9	21.3	21.3	21.8	22.3	21.8	22.2	22.3	22.7	23.2
8H	4H	20.9	21.4	21.4	21.9	22.4	21.5	22.0	21.9	22.4	22.9
	6H	21.2	21.6	21.7	22.1	22.6	22.0	22.4	22.5	22.9	23.4
	8H	21.2	21.6	21.7	22.1	22.6	22.1	22.5	22.6	23.0	23.5
	12H	21.2	21.5	21.8	22.1	22.6	22.2	22.5	22.7	23.0	23.6
12H	4H	20.9	21.4	21.4	21.8	22.3	21.4	21.9	21.9	22.3	22.8
	6H	21.2	21.6	21.7	22.1	22.6	22.0	22.3	22.5	22.8	23.4
	8H	21.3	21.6	21.8	22.1	22.6	22.2	22.5	22.7	23.0	23.5

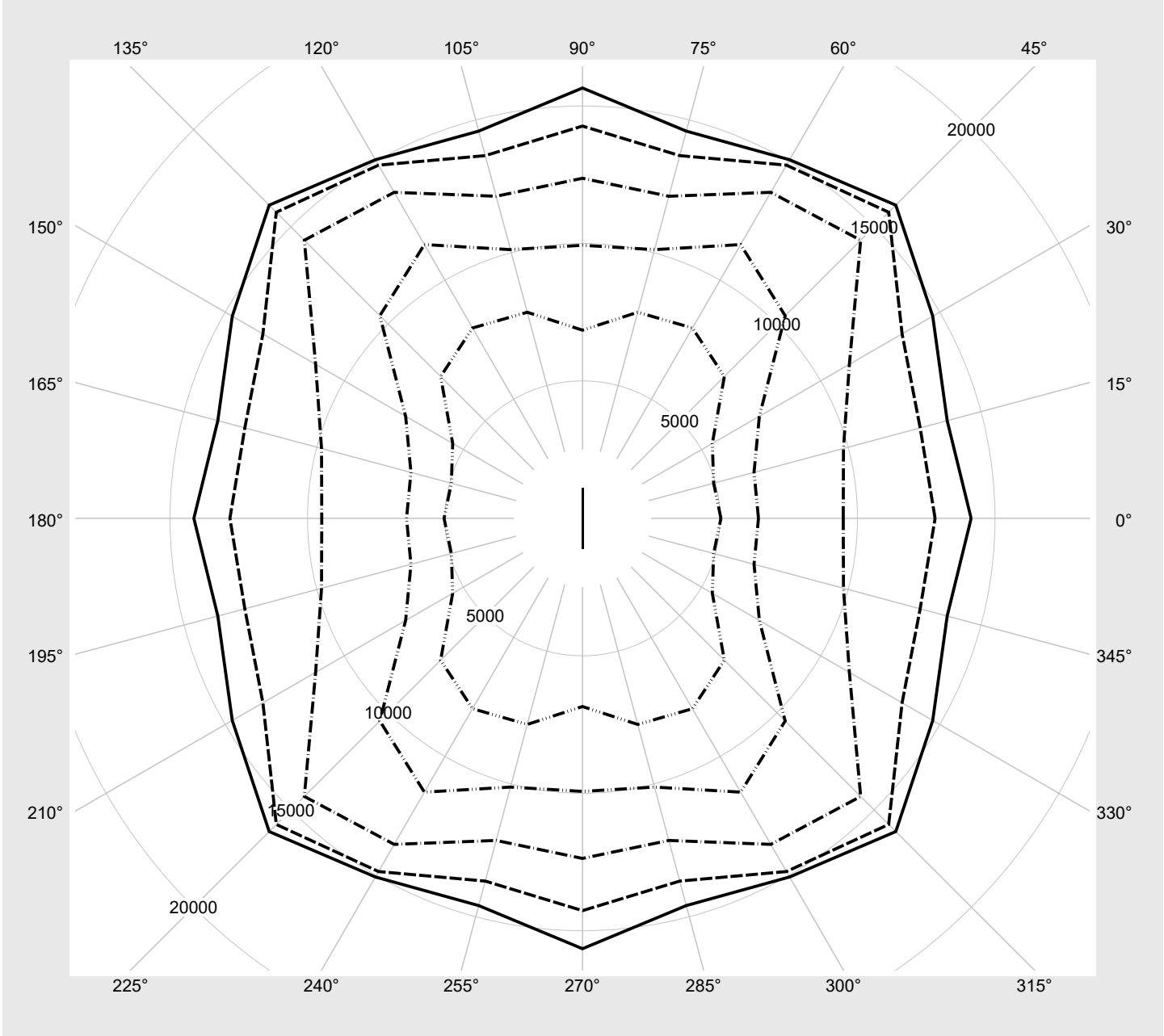
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250 B = 58
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		17218.9	16653.9	16174.9	16131.8	16419.1	18909.1	21423.0	
50°		16455.7	16075.4	15987.7	15794.6	15589.0	17474.9	19721.5	
55°		15678.6	15188.0	15882.7	15740.1	15041.5	16201.6	18068.2	
60°		14958.8	14470.3	15307.3	15955.5	14933.5	15241.2	16780.5	
65°		14132.3	13729.5	14706.0	16112.0	15062.8	14582.6	15654.5	
70°		12821.8	12712.2	13419.9	15746.5	14835.3	13660.3	14269.5	
75°		9482.2	9824.6	11206.1	14306.1	13694.0	12129.7	12370.7	
80°		6399.0	6457.9	7426.8	10423.6	11499.9	10119.9	9932.8	
85°		5034.4	4937.7	5450.8	7296.1	7995.6	7760.9	6845.2	

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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	26170	150.2
95	240	252	24846	141.6
90	227	250	23600	133.6
85	213	248	22247	125.0
80	200	245	20972	117.1
75	186	243	19585	108.7
70	173	240	18281	100.9
65	160	237	16967	93.2
60	148	234	15741	86.2
55	135	231	14403	78.6
50	122	227	13059	71.1
45	110	223	11803	63.9
40	97	219	10428	56.6
35	85	214	9148	49.8
30	73	208	7856	43.0
25	61	202	6554	36.2
20	49	194	5240	29.5
15	37	183	3922	22.8
10	25	169	2588	16.2
5	14	148	1356	10.1
1	4	102	229	4.6