

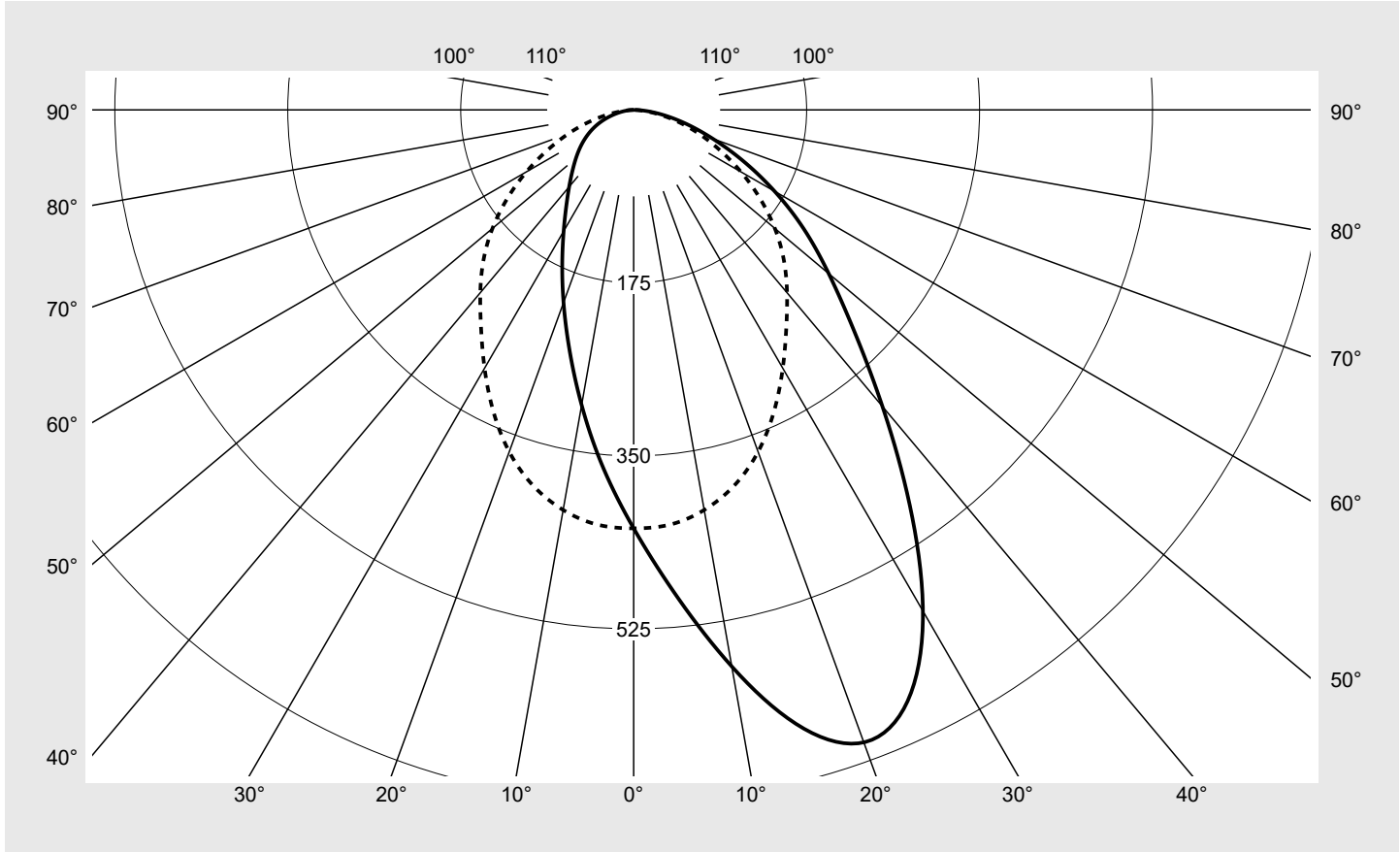


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL14DV4EXG</b> <b>EAN: 4058352925140</b>	<b>LP number</b> <b>58683_319</b>
	<b>Version</b> cover frosted, asymmetric distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 14140 lm Power consumption = 84.1 W Luminous efficacy = 168.1 lm/W	<b>serial documentation</b> <b>14.09.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 681 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=56 N2=84 N3=97 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

## Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL14DV4EXG</b> <b>EAN: 4058352925140</b>	<b>LP number</b> <b>58683_319</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
$\gamma$	Luminous intensity in cd/klm						
0°	423.3	423.3	423.3	423.3	423.3	423.3	423.3
5°	492.9	491.4	480.7	469.8	456.1	438.7	421.2
10°	571.7	566.6	544.9	518.0	484.6	447.0	411.0
15°	644.7	637.1	605.9	562.5	507.2	447.4	393.4
20°	680.9	674.8	644.8	594.0	519.7	438.2	368.1
25°	657.9	657.6	642.1	600.0	518.2	419.3	336.2
30°	585.4	591.2	594.0	574.0	501.7	394.4	301.7
35°	486.6	496.5	513.6	518.9	472.6	367.8	269.2
40°	391.6	400.9	423.7	447.6	435.3	342.4	241.4
45°	315.0	320.7	340.1	373.0	389.0	312.9	214.9
50°	257.7	259.4	273.6	305.9	334.9	275.1	186.5
55°	210.4	209.0	219.8	247.0	276.4	230.5	156.0
60°	164.7	163.2	172.4	194.6	218.3	183.7	125.4
65°	122.2	121.6	130.0	147.7	165.1	139.3	96.1
70°	85.2	85.7	92.4	106.6	118.3	100.1	70.2
75°	55.7	56.1	61.0	71.1	77.9	65.9	46.5
80°	31.6	31.9	35.4	40.3	43.4	36.3	25.7
85°	13.1	12.9	14.6	16.5	16.2	13.2	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm						Luminous flux in lm/klm	
0°	423.3	423.3	423.3	423.3	423.3	423.3	2.5	2.5
5°	404.2	389.5	375.7	365.6	362.1	361.8	20.2	22.8
10°	378.5	351.6	328.9	312.6	305.3	303.2	40.3	63.1
15°	347.6	311.7	283.3	263.5	254.2	251.1	59.8	123.0
20°	312.8	271.7	241.2	220.7	211.0	207.4	77.2	200.1
25°	275.0	232.7	202.9	183.7	174.4	171.0	89.9	290.0
30°	237.7	196.9	169.7	152.6	144.6	141.7	96.4	386.5
35°	204.1	165.0	141.0	127.0	121.0	118.9	96.9	483.4
40°	176.0	138.8	117.2	106.8	102.8	101.6	93.4	576.7
45°	151.3	116.9	98.0	90.5	88.3	87.8	87.1	663.9
50°	128.6	98.3	82.7	77.4	76.2	76.3	79.3	743.1
55°	107.1	82.4	69.7	65.9	65.5	66.0	69.9	813.0
60°	87.0	68.0	58.3	55.3	55.4	56.0	59.0	872.0
65°	68.6	55.0	47.7	45.3	45.4	45.9	47.4	919.5
70°	51.6	42.4	37.2	35.1	35.2	35.4	35.8	955.3
75°	35.3	29.8	26.5	24.5	24.4	24.5	24.7	980.0
80°	20.2	17.6	15.6	14.5	14.4	14.5	14.3	994.3
85°	7.8	7.1	6.7	6.2	6.2	6.3	5.7	1000.0
90°	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	1000.0

## Photometric test report

<b>Family</b> Licross® 11 Recessed	<b>Order number: 51TL14DV4EXG</b> <b>EAN: 4058352925140</b>	<b>LP number</b> 58683_319
---------------------------------------	--	-------------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
------------------	----------------------	---------------

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	26.2	27.8	26.5	28.1	28.4	24.8	26.4	25.1	26.7	27.0
	3H	27.2	28.6	27.5	28.9	29.3	25.9	27.4	26.3	27.7	28.0
	4H	27.5	28.9	27.9	29.2	29.6	26.3	27.7	26.7	28.0	28.4
	6H	27.8	29.0	28.2	29.4	29.8	26.6	27.8	27.0	28.2	28.6
	8H	27.9	29.0	28.3	29.4	29.8	26.7	27.8	27.1	28.2	28.6
	12H	27.9	29.0	28.4	29.4	29.8	26.8	27.8	27.2	28.2	28.6
4H	2H	26.9	28.3	27.3	28.6	29.0	25.4	26.8	25.8	27.1	27.5
	3H	28.1	29.2	28.5	29.6	30.0	26.8	27.9	27.2	28.3	28.7
	4H	28.5	29.5	28.9	29.9	30.4	27.4	28.4	27.8	28.8	29.2
	6H	28.8	29.7	29.3	30.2	30.6	27.7	28.6	28.2	29.0	29.5
	8H	29.0	29.8	29.4	30.2	30.7	27.8	28.7	28.3	29.1	29.6
	12H	29.0	29.8	29.5	30.2	30.7	27.9	28.6	28.4	29.1	29.6
8H	4H	28.8	29.6	29.3	30.1	30.6	27.6	28.4	28.1	28.9	29.3
	6H	29.3	29.9	29.8	30.4	30.9	28.1	28.8	28.6	29.2	29.7
	8H	29.4	30.0	29.9	30.5	31.0	28.3	28.9	28.8	29.3	29.9
	12H	29.6	30.0	30.1	30.5	31.1	28.4	28.9	28.9	29.4	29.9
12H	4H	28.9	29.6	29.4	30.1	30.6	27.6	28.3	28.1	28.8	29.3
	6H	29.4	29.9	29.9	30.4	30.9	28.2	28.7	28.7	29.2	29.7
	8H	29.5	30.0	30.1	30.5	31.1	28.4	28.9	28.9	29.4	29.9

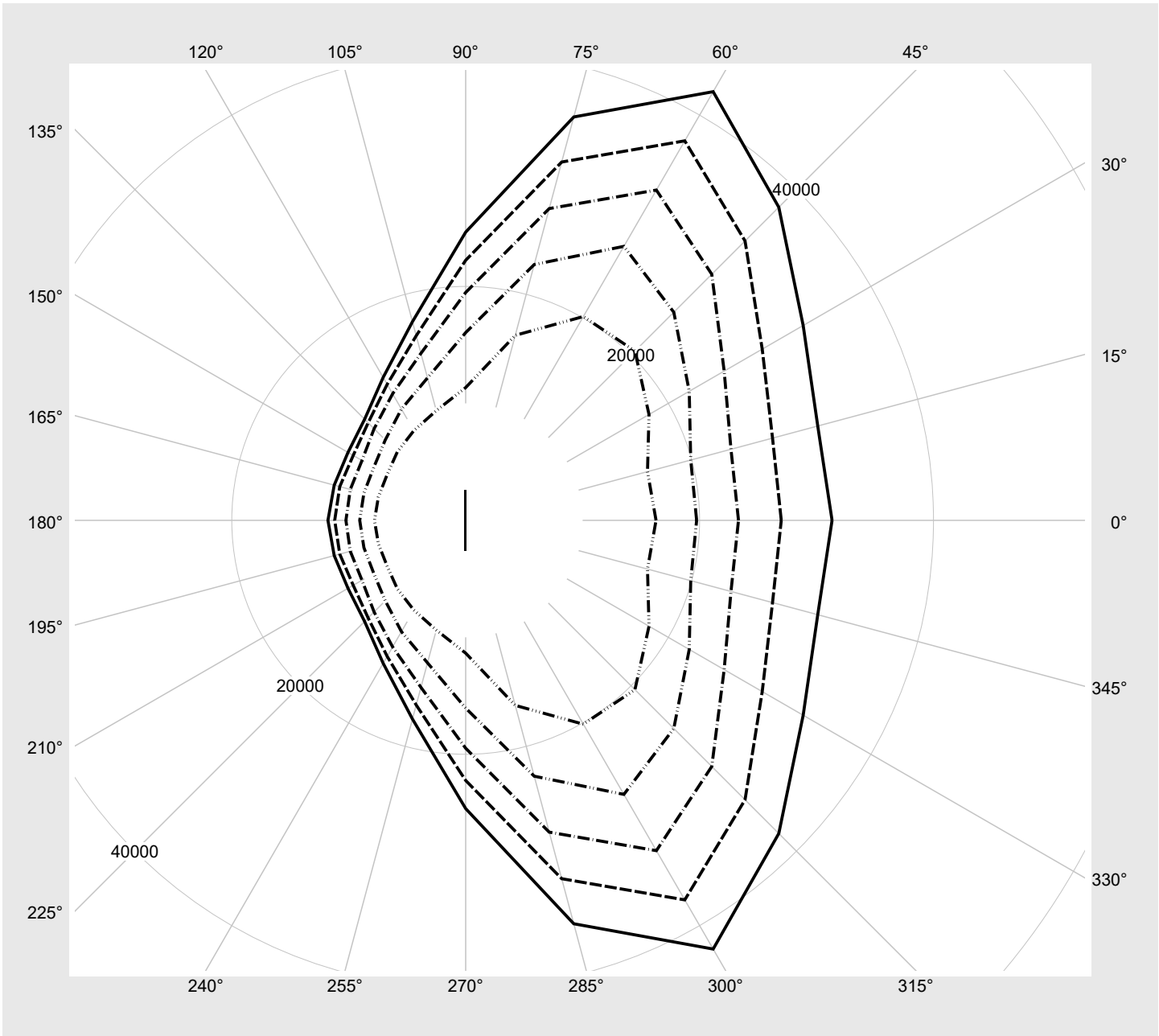
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 2250</b>
			<b>B = 58</b>

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
$\gamma$	Luminance in cd/m <sup>2</sup>												
45°	48262.9	49135.1	52119.9	57159.5	59601.7	47952.8	32931.1	23191.3	17909.6	15010.0	13872.2	13533.9	13447.6
50°	43433.2	43721.1	46119.8	51556.9	56461.0	46365.1	31439.5	21684.6	16576.8	13934.0	13039.6	12850.8	12863.7
55°	39737.3	39486.4	41517.6	46655.1	52222.5	43536.8	29462.5	20239.1	15561.6	13166.2	12454.1	12375.3	12475.6
60°	35689.4	35374.3	37361.5	42172.1	47311.7	39801.1	27164.6	18846.6	14730.7	12625.7	11993.8	11997.9	12143.3
65°	31327.5	31165.5	33322.0	37862.3	42321.5	35705.8	24643.9	17585.4	14112.1	12222.8	11619.8	11637.5	11778.8
70°	26984.8	27163.2	29279.1	33781.2	37467.8	31717.5	22238.2	16341.6	13426.4	11795.5	11104.2	11148.2	11200.2
75°	23326.3	23485.4	25521.2	29757.9	32609.3	27597.3	19484.4	14782.2	12494.8	11075.6	10238.7	10214.9	10241.2
80°	19747.6	19921.1	22071.9	25166.2	27052.5	22644.1	16053.7	12612.4	10987.0	9724.1	9072.6	9009.6	9060.8
85°	16276.0	16094.5	18099.8	20466.9	20121.3	16378.0	11354.2	9710.7	8861.6	8271.0	7768.8	7729.0	7799.9

**Photometric test report**

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL14DV4EXG</b> <b>EAN: 4058352925140</b>	<b>LP number</b> <b>58683_319</b>
--	--	--------------------------------------

**Luminance values in cd/m<sup>2</sup>**        $\gamma$  65°      $\gamma$  70°      $\gamma$  75°      $\gamma$  80°      $\gamma$  85°



## Photometric test report

<b>Family</b> Licross® 11 Recessed	<b>Order number: 51TL14DV4EXG</b> <b>EAN: 4058352925140</b>	<b>LP number</b> 58683_319
---------------------------------------	--	-------------------------------

<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14140	84.1
95	240	252	13427	79.4
90	226	250	12701	74.7
85	213	248	12024	70.4
80	199	245	11290	65.7
75	186	243	10597	61.4
70	173	240	9903	57.0
65	160	237	9202	52.7
60	147	234	8493	48.5
55	134	231	7773	44.2
50	121	227	7050	40.0
45	109	223	6378	36.2
40	96	218	5639	32.1
35	84	213	4955	28.2
30	72	208	4264	24.5
25	59	201	3506	20.4
20	47	192	2804	16.4
15	35	181	2095	12.3
10	24	168	1439	8.5
5	12	142	714	4.2
2	4	102	230	1.3