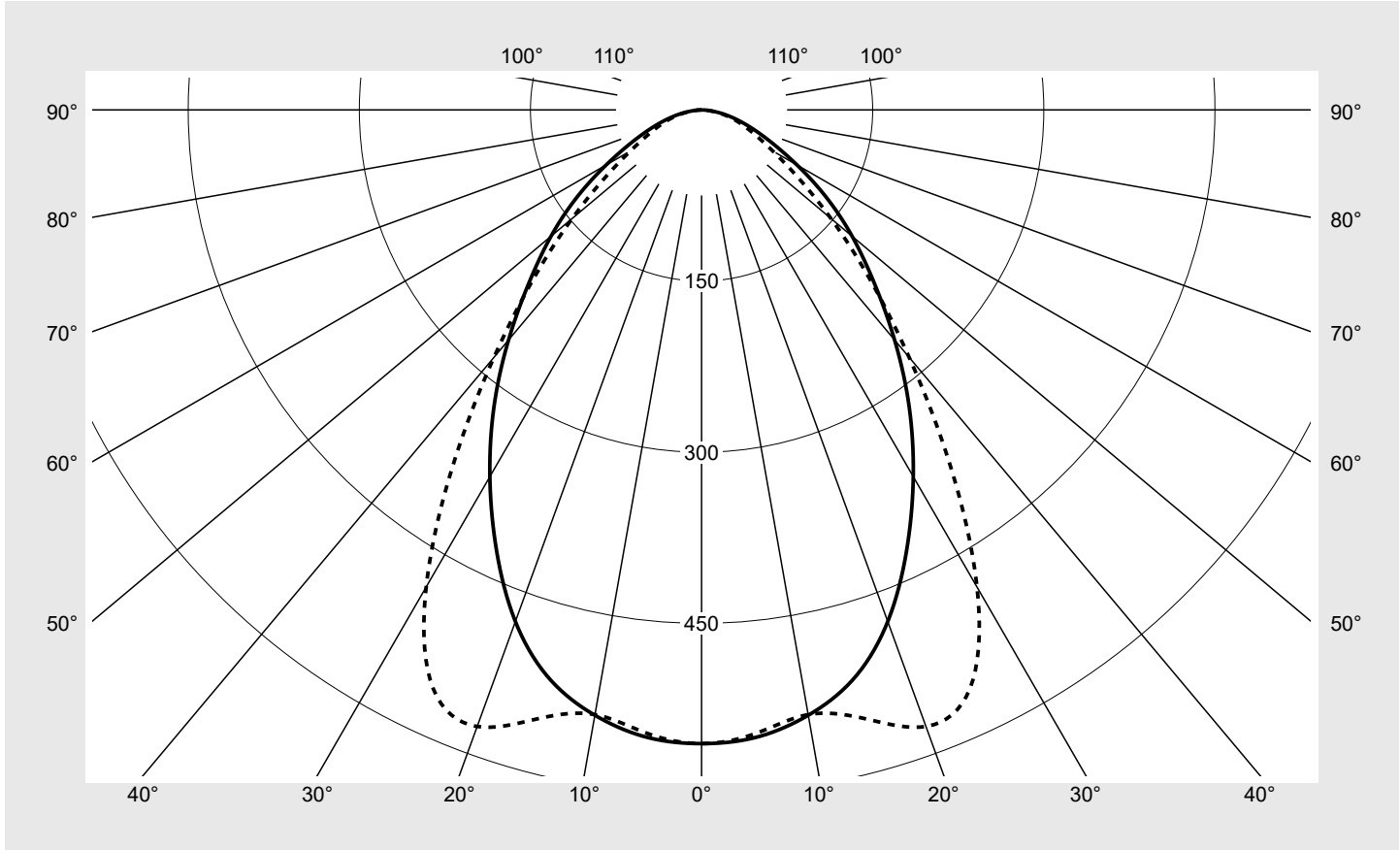


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL12DV4M2M</b> <b>EAN: 4058352922392</b>	<b>LP number</b> <b>58689_97</b>
	<b>Version</b> cover frosted, wide distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 27150 lm Power consumption = 150.5 W Luminous efficacy = 180.4 lm/W	<b>serial documentation</b> <b>19.09.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 575 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=66 N2=91 N3=98 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

Family <b>Licross® 11 Recessed</b>	Order number: <b>51TL12DV4M2M</b> EAN: <b>4058352922392</b>	LP number <b>58689_97</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes $\gamma$	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°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	3.3	3.3
5°	551.9	549.3	545.0	546.0	548.1	548.0	548.5	26.2	29.5
10°	538.7	535.0	528.7	529.1	532.7	535.9	538.2	50.8	80.3
15°	515.9	510.9	504.6	513.1	530.5	544.7	552.3	74.2	154.5
20°	477.2	471.4	470.1	497.6	537.0	563.7	575.1	95.8	250.2
25°	425.5	419.5	426.9	469.4	521.2	548.6	558.0	111.1	361.3
30°	371.2	364.3	378.4	421.3	459.9	477.2	482.9	115.5	476.8
35°	317.2	309.8	328.6	357.7	367.8	374.7	379.7	109.4	586.2
40°	263.2	255.5	280.4	291.4	277.2	277.7	283.1	97.2	683.4
45°	213.7	204.0	230.1	230.5	202.8	200.2	207.0	82.5	765.9
50°	172.3	160.2	177.2	176.6	149.6	143.3	148.0	67.7	833.6
55°	133.3	121.6	126.4	129.1	111.8	101.0	103.0	53.0	886.6
60°	96.7	87.9	85.2	90.2	83.1	71.0	72.1	39.7	926.3
65°	67.7	61.0	56.3	61.1	60.5	50.8	52.1	29.0	955.3
70°	46.9	41.7	36.5	40.2	42.1	36.4	38.1	20.6	975.8
75°	30.9	26.7	22.6	25.0	27.1	24.7	26.6	13.7	989.5
80°	17.8	14.8	12.0	13.1	14.7	14.1	15.6	7.7	997.1
85°	6.6	5.4	4.4	4.8	5.3	5.4	5.9	2.9	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

## Photometric test report

<b>Family</b> Licross® 11 Recessed	<b>Order number: 51TL12DV4M2M</b> <b>EAN: 4058352922392</b>	<b>LP number</b> 58689_97
---------------------------------------	--	------------------------------

<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	24.9	26.4	25.3	26.7	27.1	24.4	25.9	24.8	26.2	26.5
	3H	25.7	27.0	26.1	27.3	27.7	25.0	26.3	25.4	26.7	27.0
	4H	26.0	27.2	26.4	27.5	27.9	25.3	26.5	25.7	26.8	27.2
	6H	26.2	27.3	26.6	27.7	28.1	25.5	26.6	25.9	27.0	27.4
	8H	26.3	27.3	26.7	27.7	28.1	25.6	26.6	26.0	27.0	27.4
	12H	26.3	27.3	26.8	27.7	28.1	25.6	26.6	26.1	27.0	27.4
4H	2H	25.3	26.5	25.7	26.9	27.2	24.8	26.1	25.2	26.4	26.8
	3H	26.1	27.1	26.5	27.5	27.9	25.6	26.6	26.0	27.0	27.4
	4H	26.4	27.4	26.9	27.8	28.2	26.0	26.9	26.4	27.3	27.7
	6H	26.7	27.5	27.2	28.0	28.4	26.2	27.0	26.7	27.5	27.9
	8H	26.8	27.5	27.3	28.0	28.5	26.3	27.1	26.8	27.5	28.0
	12H	26.9	27.5	27.4	28.0	28.5	26.4	27.0	26.9	27.5	28.0
8H	4H	26.5	27.3	27.0	27.7	28.2	26.1	26.8	26.6	27.3	27.7
	6H	26.9	27.5	27.4	27.9	28.4	26.4	27.0	26.9	27.5	28.0
	8H	27.0	27.5	27.5	28.0	28.5	26.6	27.1	27.1	27.6	28.1
	12H	27.1	27.5	27.6	28.0	28.5	26.7	27.1	27.2	27.6	28.1
12H	4H	26.6	27.2	27.0	27.6	28.1	26.1	26.7	26.6	27.2	27.7
	6H	26.9	27.4	27.4	27.9	28.4	26.5	27.0	27.0	27.4	28.0
	8H	27.0	27.4	27.5	27.9	28.5	26.6	27.0	27.1	27.5	28.1

<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>
------------------------	---	--------------------------------------	----------------------------------

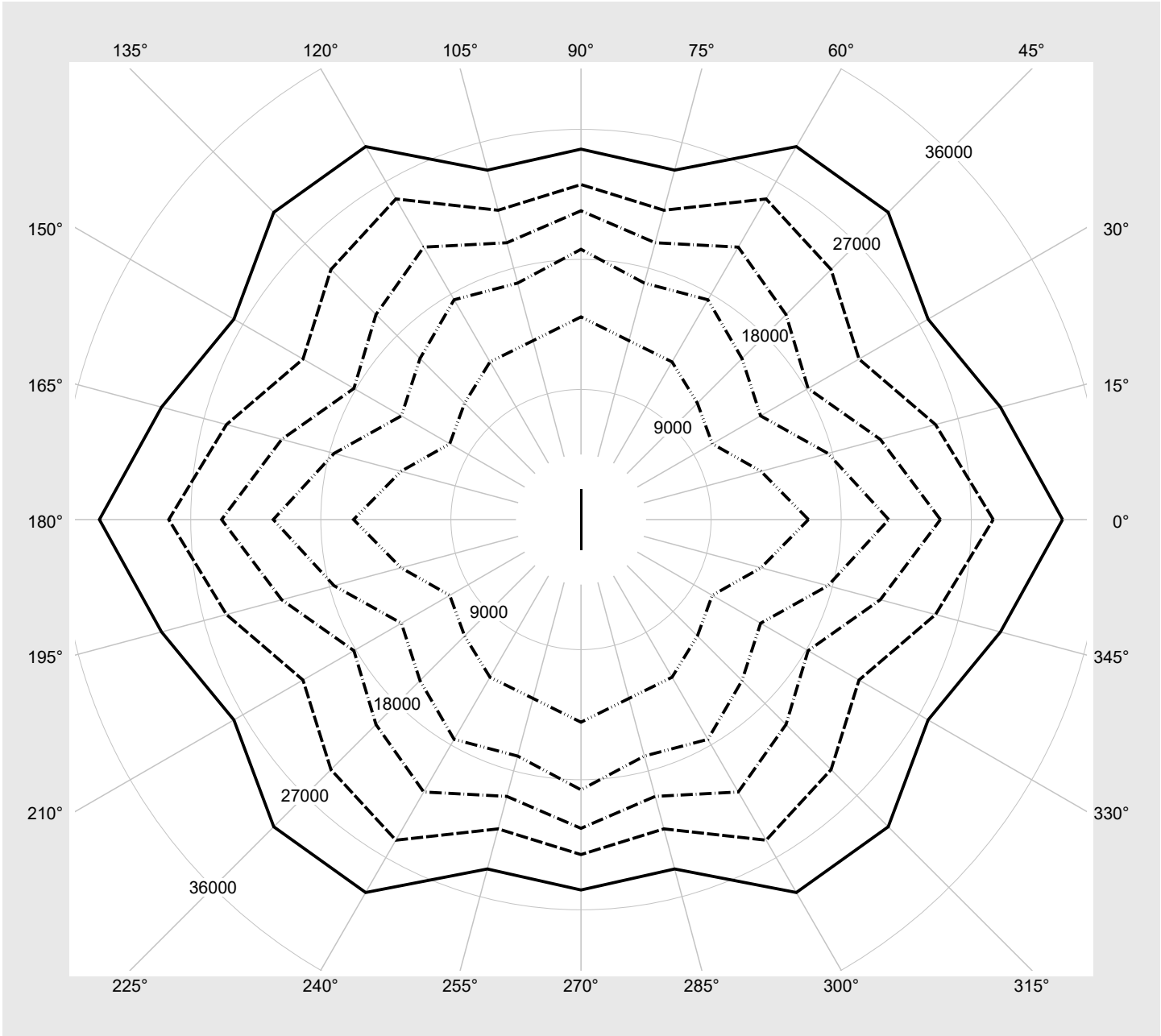
C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		62876.6	60017.6	67688.6	67807.2	59672.5	58895.8	60913.3
50°		55757.3	51864.3	57359.4	57169.4	48422.4	46381.1	47900.4
55°		48360.0	44090.8	45832.9	46817.3	40542.3	36645.3	37360.6
60°		40224.9	36564.9	35463.1	37522.8	34590.6	29546.3	29984.0
65°		33318.9	30042.8	27728.6	30060.5	29795.2	25027.9	25629.0
70°		28519.5	25392.3	22209.1	24466.5	25614.9	22155.6	23179.3
75°		24865.6	21437.3	18142.4	20057.9	21764.4	19828.0	21363.3
80°		21290.0	17687.4	14348.3	15753.7	17559.2	16939.8	18697.4
85°		15737.9	12892.5	10486.4	11388.7	12596.5	12813.7	14021.6

**Photometric test report**

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL12DV4M2M</b> <b>EAN: 4058352922392</b>	<b>LP number</b> <b>58689_97</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: 51TL12DV4M2M</b> <b>EAN: 4058352922392</b>	<b>LP number</b> 58689_97
---------------------------------------	--	------------------------------

<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	27150	150.5
95	240	252	25769	141.7
90	226	250	24426	133.0
85	212	247	23047	124.4
80	199	245	21745	116.4
75	185	242	20326	107.9
70	172	240	18995	100.2
65	159	237	17647	92.6
60	146	234	16285	85.0
55	133	230	14913	77.5
50	120	227	13526	70.1
45	108	223	12234	63.2
40	95	218	10818	55.8
35	83	213	9495	49.0
30	71	207	8156	42.2
25	59	201	6804	35.3
20	47	192	5442	28.6
15	35	181	4064	21.7
10	23	166	2674	14.6
5	12	142	1390	7.9
2	4	102	446	2.8