
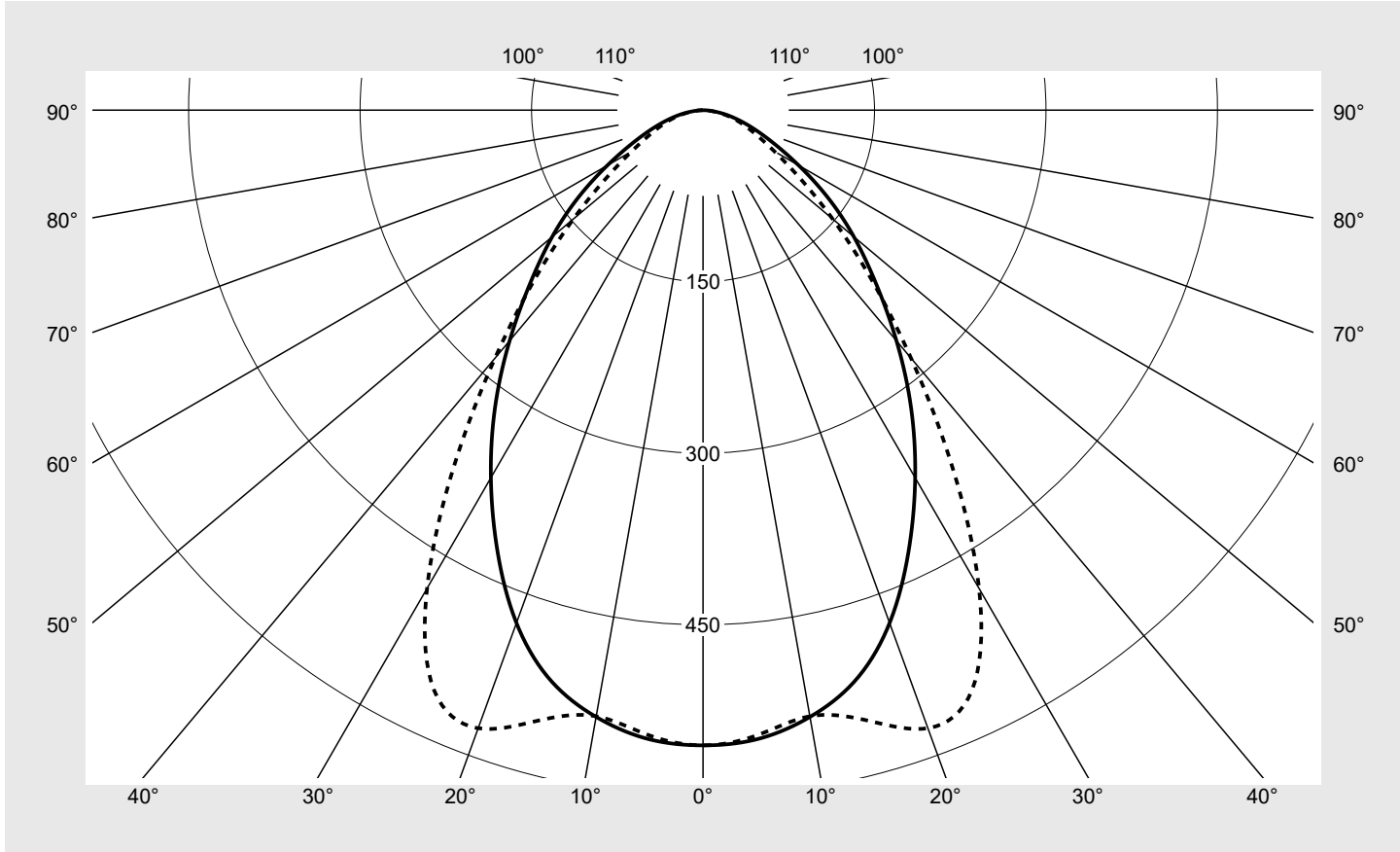


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL12DV4M2M3S</b> <b>EAN: 4058352935217</b>	<b>LP number</b> <b>58689_144</b>										
	<table border="0"> <tr> <td><b>Version</b></td> <td>cover frosted, wide distribution, high visual comfort</td> </tr> <tr> <td><b>Lamps</b></td> <td>LED 4000 K   CRI ≥ 80</td> </tr> <tr> <td><b>Controlgear</b></td> <td>ECG-DALI</td> </tr> <tr> <td><b>Setting</b></td> <td>AC-mode</td> </tr> <tr> <td><b>Rated values</b></td> <td>                     Net luminous flux = 27150 lm                      Power consumption = 154.3 W                      Luminous efficacy = 176 lm/W                 </td> </tr> </table>	<b>Version</b>	cover frosted, wide distribution, high visual comfort	<b>Lamps</b>	LED 4000 K   CRI ≥ 80	<b>Controlgear</b>	ECG-DALI	<b>Setting</b>	AC-mode	<b>Rated values</b>	Net luminous flux = 27150 lm Power consumption = 154.3 W Luminous efficacy = 176 lm/W	<b>serial documentation</b> <b>12.10.2023</b>
<b>Version</b>	cover frosted, wide distribution, high visual comfort											
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**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>51TL12DV4M2M3S</b> EAN: <b>4058352935217</b>	LP number <b>58689_144</b>
Table of values for luminous intensities		Maximum luminous intensity
		<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

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siteco

UGR-Table		Standard room									
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>

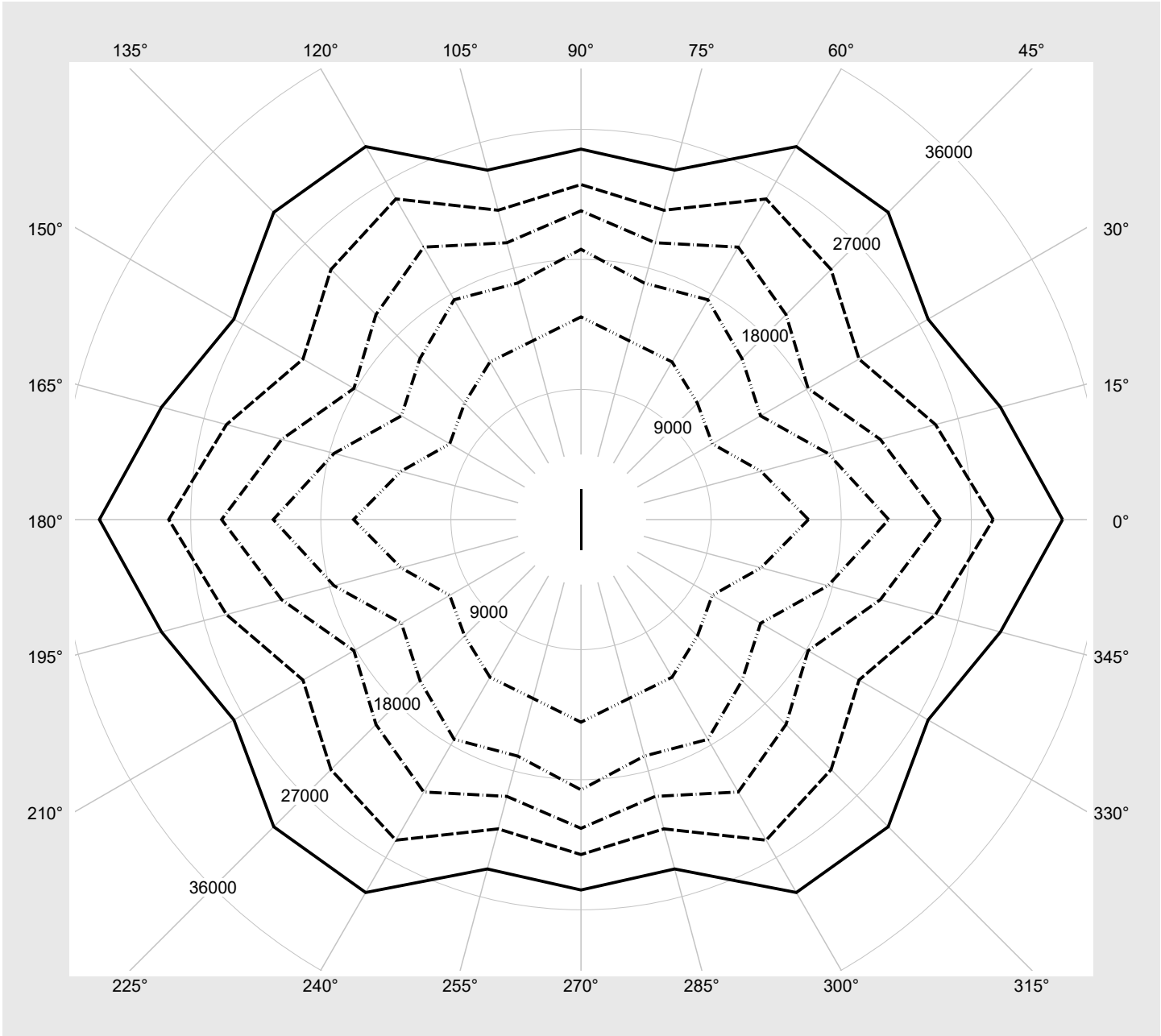
C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		62876.6	60017.6	67688.6	67807.2	59672.5	58895.8	60913.3
50°		55757.3	51864.3	57359.4	57169.4	48422.4	46381.1	47900.4
55°		48360.0	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

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**Luminance values in cd/m<sup>2</sup>**

γ 65°
γ 70°
γ 75°
γ 80°
γ 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	27150	154.3
95	240	252	25769	145.5
90	226	250	24426	136.8
85	212	247	23047	128.2
80	199	245	21745	120.2
75	185	242	20326	111.7
70	172	240	18995	104.0
65	159	237	17647	96.4
60	146	234	16285	88.8
55	133	230	14913	81.3
50	120	227	13526	73.9
45	108	223	12234	67.0
40	95	218	10818	59.6
35	83	213	9495	52.8
30	71	207	8156	46.0
25	59	201	6804	39.1
20	47	192	5442	32.4
15	35	181	4064	25.5
10	23	166	2674	18.4
5	12	142	1390	11.7
2	4	102	446	6.6