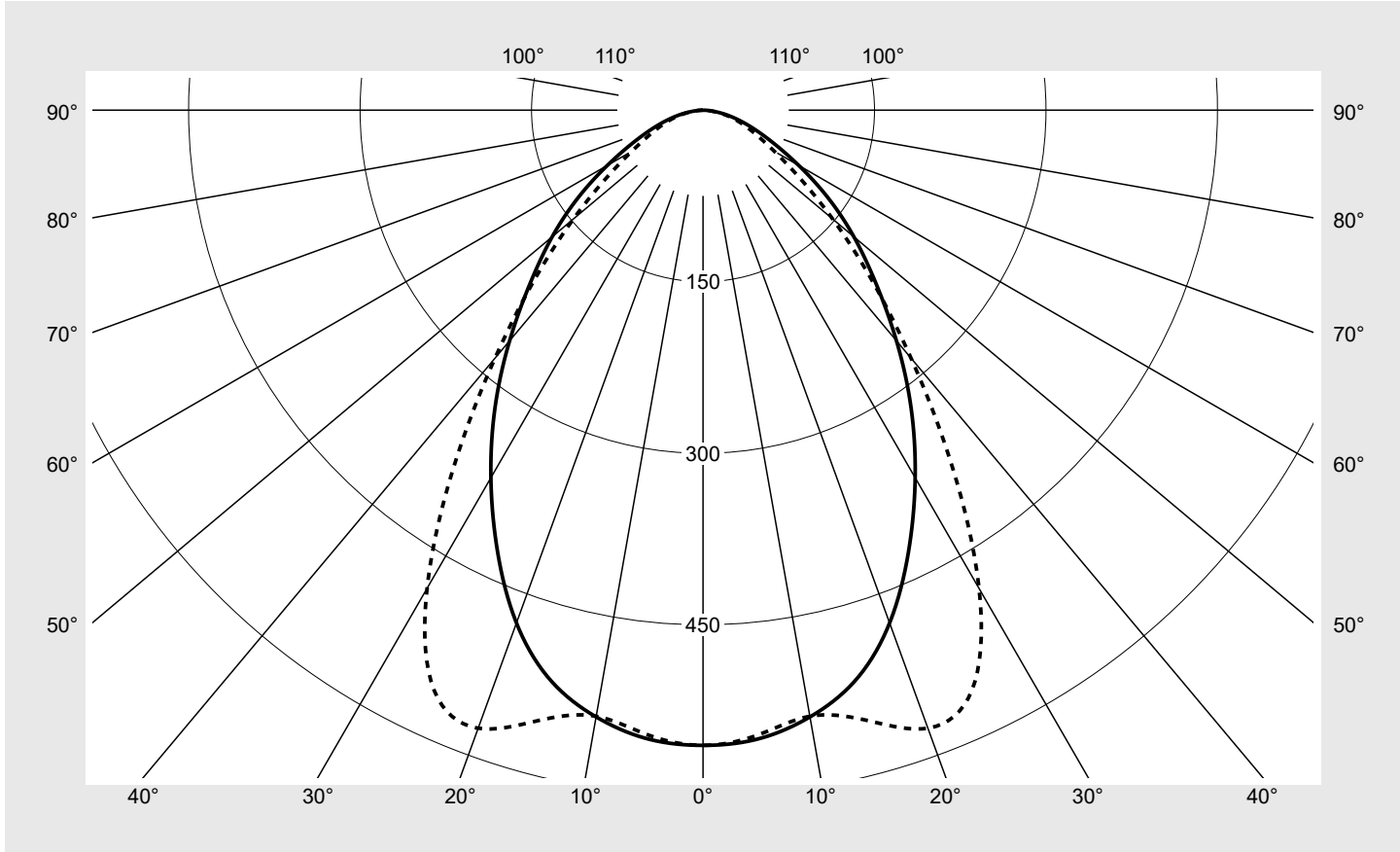


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TE12DN4EXM3S</b> <b>EAN: 4058352934821</b>	<b>LP number</b> <b>58689_118</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>Setting</b> AC-mode <b>Rated values</b> Net luminous flux = 14030 lm Power consumption = 80.6 W Luminous efficacy = 174.1 lm/W	<b>serial documentation</b> <b>29.09.2023</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>51TE12DN4EXM3S</b> EAN: <b>4058352934821</b>	LP number <b>58689_118</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

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<b>UGR-Table</b>	<b>Standard room</b>	<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	24.1	25.6	24.4	25.9	26.2	23.5	25.0	23.9	25.3	25.6
	3H	24.8	26.1	25.2	26.4	26.8	24.1	25.4	24.5	25.8	26.1
	4H	25.1	26.3	25.5	26.7	27.0	24.4	25.6	24.8	26.0	26.3
	6H	25.3	26.4	25.7	26.8	27.2	24.6	25.7	25.0	26.1	26.5
	8H	25.4	26.4	25.9	26.8	27.2	24.7	25.7	25.1	26.1	26.5
	12H	25.5	26.4	25.9	26.8	27.2	24.7	25.7	25.2	26.1	26.5
4H	2H	24.4	25.6	24.8	26.0	26.3	24.0	25.2	24.4	25.5	25.9
	3H	25.2	26.2	25.6	26.6	27.0	24.7	25.8	25.2	26.1	26.6
	4H	25.6	26.5	26.0	26.9	27.3	25.1	26.0	25.5	26.4	26.8
	6H	25.8	26.6	26.3	27.1	27.5	25.4	26.1	25.8	26.6	27.0
	8H	25.9	26.7	26.4	27.1	27.6	25.5	26.2	25.9	26.6	27.1
	12H	26.0	26.6	26.5	27.1	27.6	25.5	26.1	26.0	26.6	27.1
8H	4H	25.7	26.4	26.1	26.8	27.3	25.2	25.9	25.7	26.4	26.8
	6H	26.0	26.6	26.5	27.0	27.5	25.6	26.1	26.1	26.6	27.1
	8H	26.1	26.6	26.6	27.1	27.6	25.7	26.2	26.2	26.7	27.2
	12H	26.2	26.6	26.7	27.1	27.7	25.8	26.2	26.3	26.7	27.3
12H	4H	25.7	26.3	26.2	26.7	27.2	25.2	25.8	25.7	26.3	26.8
	6H	26.0	26.5	26.5	27.0	27.5	25.6	26.1	26.1	26.6	27.1
	8H	26.1	26.6	26.6	27.1	27.6	25.7	26.2	26.2	26.7	27.2

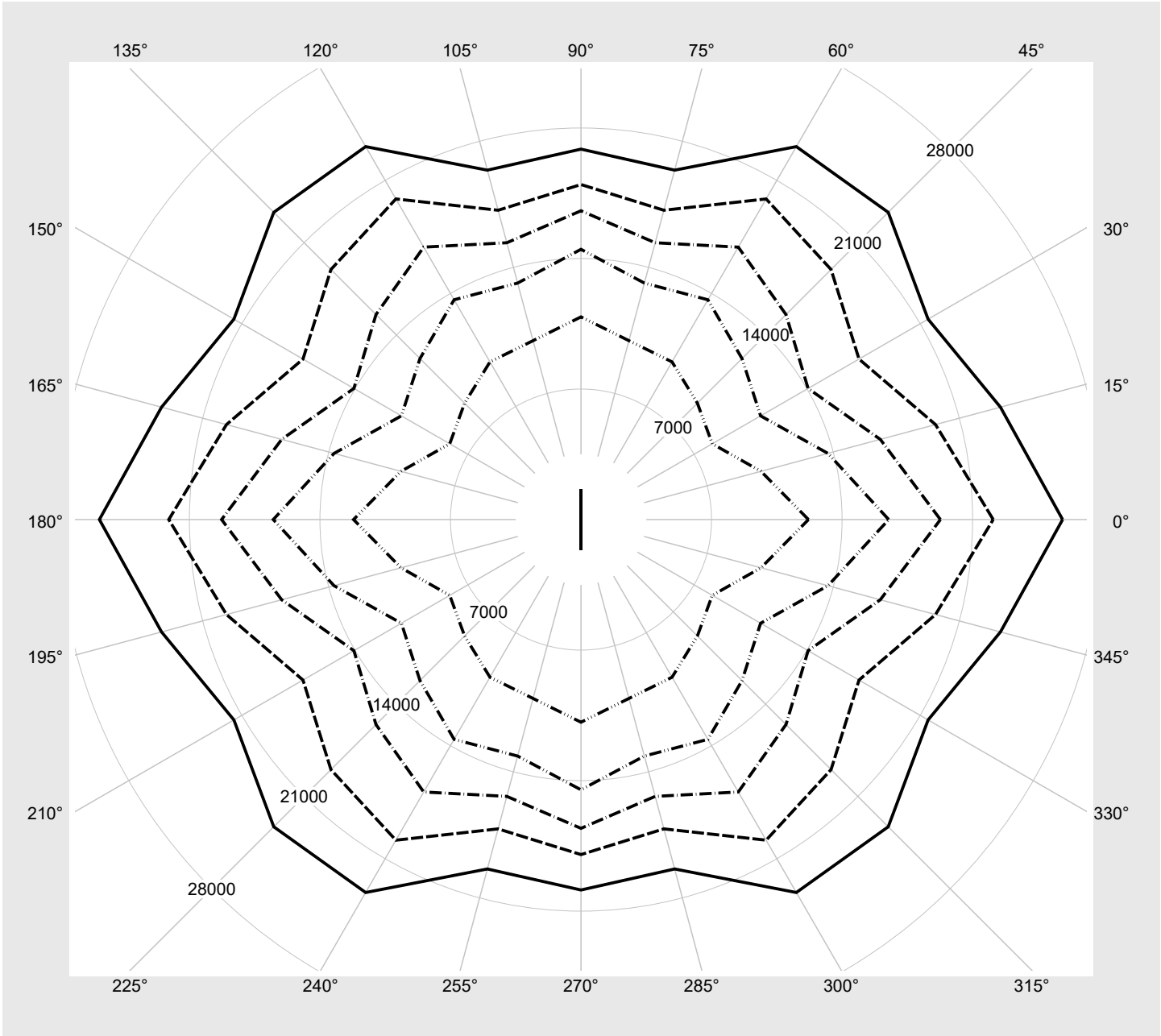
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b>
			<b>B = 58</b>

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°		48738.0	46522.0	52468.0	52559.9	46254.4	45652.4	47216.2
50°		43219.6	40202.0	44461.5	44314.2	37534.1	35951.8	37129.4
55°		37485.7	34176.5	35526.9	36289.9	31425.9	28405.2	28959.6
60°		31179.8	28342.9	27488.8	29085.3	26812.5	22902.4	23241.7
65°		25826.8	23287.3	21493.5	23301.0	23095.4	19400.1	19866.0
70°		22106.5	19682.5	17215.1	18964.9	19855.1	17173.6	17967.2
75°		19274.3	16616.9	14062.9	15547.7	16870.5	15369.5	16559.5
80°		16502.7	13710.2	11121.9	12211.3	13610.8	13130.7	14493.1
85°		12199.0	9993.5	8128.4	8827.8	9764.0	9932.4	10868.7

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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	14030	80.6
95	240	252	13312	76.4
90	227	250	12640	72.4
85	213	248	11908	68.1
80	200	245	11224	64.1
75	187	243	10535	60.3
70	174	240	9842	56.4
65	161	237	9144	52.5
60	148	234	8437	48.6
55	135	231	7728	44.8
50	122	227	7010	41.1
45	109	223	6288	37.3
40	97	219	5614	33.8
35	85	214	4935	30.4
30	72	208	4193	26.7
25	60	201	3505	23.3
20	48	193	2809	19.9
15	36	182	2111	16.4
10	24	168	1407	13.0
5	12	142	696	9.7
2	4	102	219	7.4