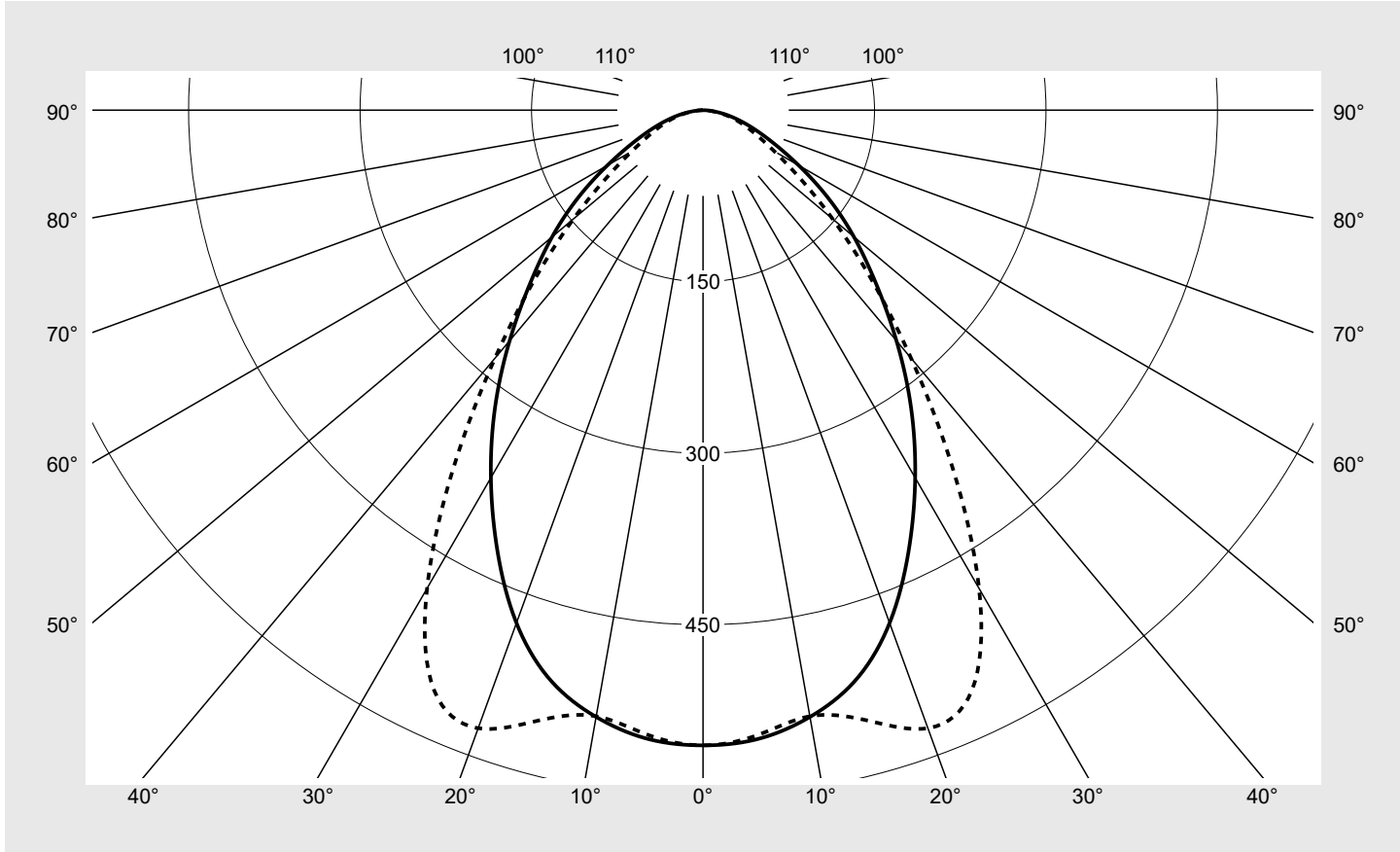


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL12DN455MD</b> <b>EAN: 4058352929643</b>	<b>LP number</b> <b>58689_111</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 = 5960 lm Power consumption = 30.6 W Luminous efficacy = 194.8 lm/W	<b>serial documentation</b> <b>04.10.2023</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

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<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	21.1	22.6	21.4	22.9	23.2	20.5	22.0	20.9	22.3	22.7
	3H	21.8	23.1	22.2	23.5	23.8	21.1	22.5	21.5	22.8	23.1
	4H	22.1	23.3	22.5	23.7	24.1	21.4	22.6	21.8	23.0	23.4
	6H	22.3	23.5	22.7	23.8	24.2	21.6	22.7	22.0	23.1	23.5
	8H	22.5	23.5	22.9	23.9	24.3	21.7	22.8	22.2	23.1	23.5
	12H	22.5	23.4	22.9	23.8	24.3	21.8	22.7	22.2	23.1	23.5
4H	2H	21.4	22.6	21.8	23.0	23.4	21.0	22.2	21.4	22.6	22.9
	3H	22.2	23.3	22.7	23.6	24.1	21.8	22.8	22.2	23.2	23.6
	4H	22.6	23.5	23.0	23.9	24.3	22.1	23.0	22.5	23.4	23.9
	6H	22.9	23.7	23.3	24.1	24.6	22.4	23.2	22.8	23.6	24.1
	8H	23.0	23.7	23.4	24.1	24.6	22.5	23.2	23.0	23.6	24.1
	12H	23.1	23.7	23.5	24.1	24.6	22.6	23.2	23.0	23.6	24.1
8H	4H	22.7	23.4	23.1	23.8	24.3	22.2	22.9	22.7	23.4	23.9
	6H	23.0	23.6	23.5	24.1	24.6	22.6	23.2	23.1	23.6	24.2
	8H	23.1	23.6	23.6	24.1	24.6	22.7	23.2	23.2	23.7	24.2
	12H	23.2	23.6	23.7	24.1	24.7	22.8	23.2	23.3	23.7	24.3
12H	4H	22.7	23.3	23.2	23.8	24.3	22.2	22.9	22.7	23.3	23.8
	6H	23.0	23.5	23.5	24.0	24.5	22.6	23.1	23.1	23.6	24.1
	8H	23.2	23.6	23.7	24.1	24.6	22.7	23.2	23.3	23.7	24.2

<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>
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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°		20704.1	19762.7	22288.6	22327.7	19649.1	19393.3	20057.6	
50°		18359.9	17078.0	18887.4	18824.8	15944.6	15272.5	15772.7	
55°		15924.1	14518.3	15091.9	15416.1	13349.9	12066.6	12302.2	
60°		13245.3	12040.2	11677.4	12355.6	11390.0	9729.0	9873.2	
65°		10971.3	9892.5	9130.5	9898.4	9811.0	8241.2	8439.2	
70°		9390.9	8361.2	7313.1	8056.4	8434.5	7295.4	7632.5	
75°		8187.8	7058.9	5974.0	6604.7	7166.6	6529.0	7034.6	
80°		7010.4	5824.1	4724.6	5187.4	5781.9	5578.0	6156.7	
85°		5182.2	4245.3	3453.0	3750.1	4147.8	4219.3	4617.1	

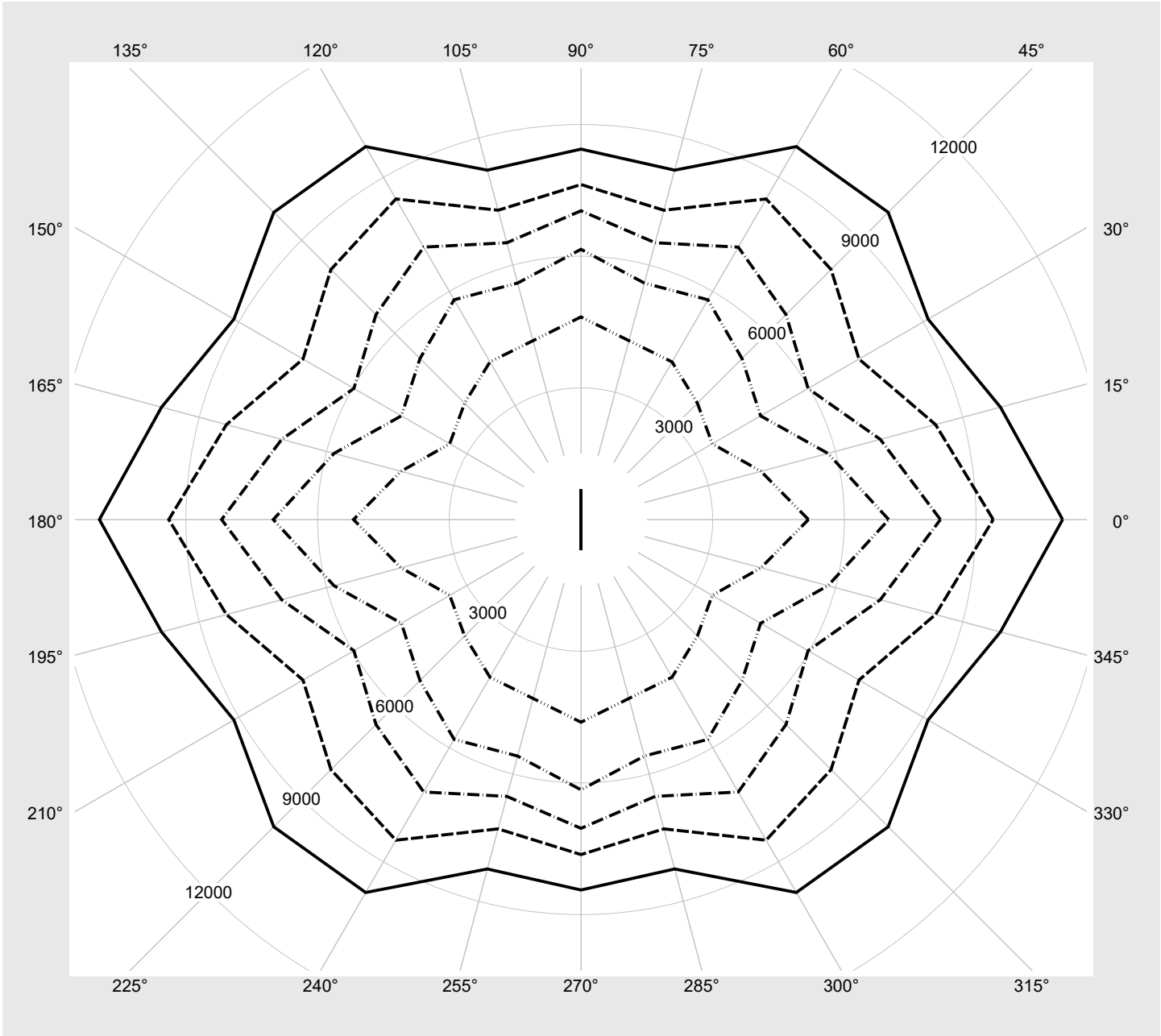
**Photometric test report**

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

$\gamma$  65°   
   $\gamma$  70°   
   $\gamma$  75°   
   $\gamma$  80°   
   $\gamma$  85°

**siteco**



## Photometric test report

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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	5960	30.6
95	241	252	5664	29.2
90	228	250	5365	27.8
85	215	248	5068	26.3
80	202	246	4767	24.9
75	189	243	4465	23.4
70	176	241	4164	21.9
65	164	238	3883	20.6
60	151	235	3581	19.0
55	138	232	3276	17.5
50	125	228	2970	15.9
45	113	224	2687	14.5
40	100	220	2380	12.9
35	88	215	2096	11.4
30	75	209	1785	9.9
25	63	203	1500	8.6
20	50	194	1188	7.0
15	38	184	901	5.5
10	25	169	587	3.8
7	17	155	394	2.7