
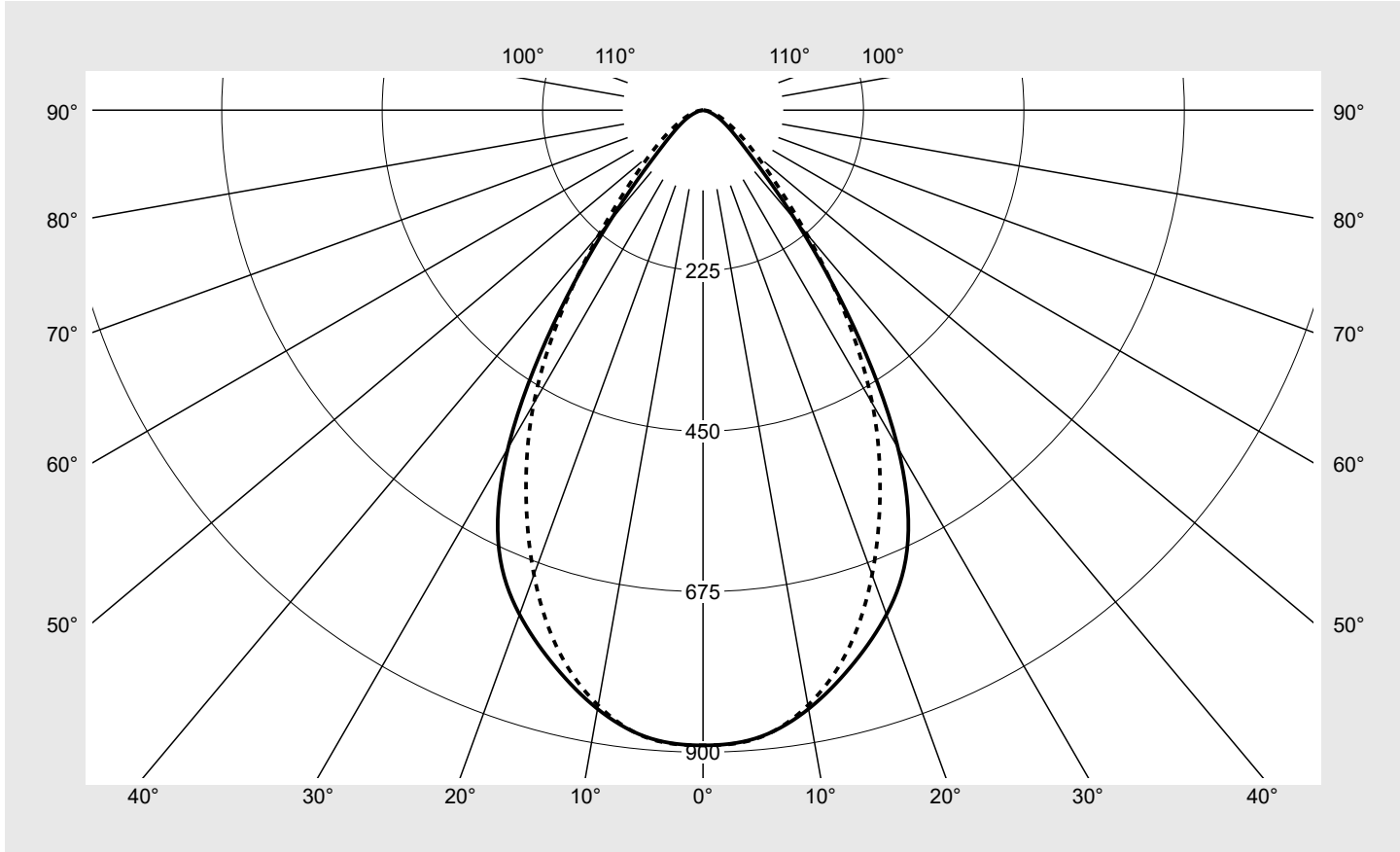


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TE18DN485GE</b> <b>EAN: 4058352965191</b>	<b>LP number</b> <b>58691_155</b>
	<b>Version</b> cover frosted, medium distribution, high visual comfort	<b>serial documentation</b> <b>26.09.2023</b>
	<b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI	
<b>Rated values</b>	Net luminous flux = 8910 lm Power consumption = 50.3 W Luminous efficacy = 177.1 lm/W	



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 890 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=83 N2=96 N3=99 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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	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	18.6	19.9	18.9	20.2	20.5	19.5	20.8	19.8	21.1	21.4
	3H	18.7	19.9	19.1	20.2	20.6	20.0	21.1	20.3	21.5	21.8
	4H	18.8	19.8	19.2	20.2	20.6	20.2	21.2	20.6	21.6	21.9
	6H	18.8	19.7	19.2	20.1	20.5	20.3	21.2	20.7	21.6	22.0
	8H	18.9	19.7	19.3	20.1	20.5	20.4	21.2	20.8	21.6	22.0
	12H	18.8	19.6	19.3	20.0	20.4	20.4	21.2	20.9	21.6	22.0
4H	2H	18.7	19.8	19.1	20.1	20.5	19.6	20.6	20.0	21.0	21.4
	3H	19.0	19.9	19.4	20.3	20.7	20.2	21.1	20.7	21.5	21.9
	4H	19.1	19.8	19.5	20.3	20.7	20.5	21.3	21.0	21.7	22.2
	6H	19.1	19.8	19.5	20.2	20.7	20.7	21.4	21.2	21.8	22.3
	8H	19.1	19.7	19.6	20.1	20.6	20.8	21.4	21.3	21.8	22.3
	12H	19.1	19.6	19.6	20.1	20.6	20.9	21.4	21.4	21.8	22.3
8H	4H	19.2	19.8	19.6	20.2	20.7	20.5	21.1	21.0	21.6	22.1
	6H	19.2	19.7	19.7	20.2	20.7	20.8	21.3	21.3	21.8	22.3
	8H	19.2	19.6	19.7	20.1	20.7	20.9	21.4	21.4	21.8	22.4
	12H	19.2	19.6	19.8	20.1	20.6	21.0	21.4	21.5	21.9	22.4
12H	4H	19.2	19.7	19.7	20.2	20.7	20.5	21.0	21.0	21.5	22.0
	6H	19.3	19.6	19.8	20.1	20.7	20.8	21.2	21.3	21.7	22.2
	8H	19.3	19.6	19.8	20.1	20.6	20.9	21.3	21.5	21.8	22.3

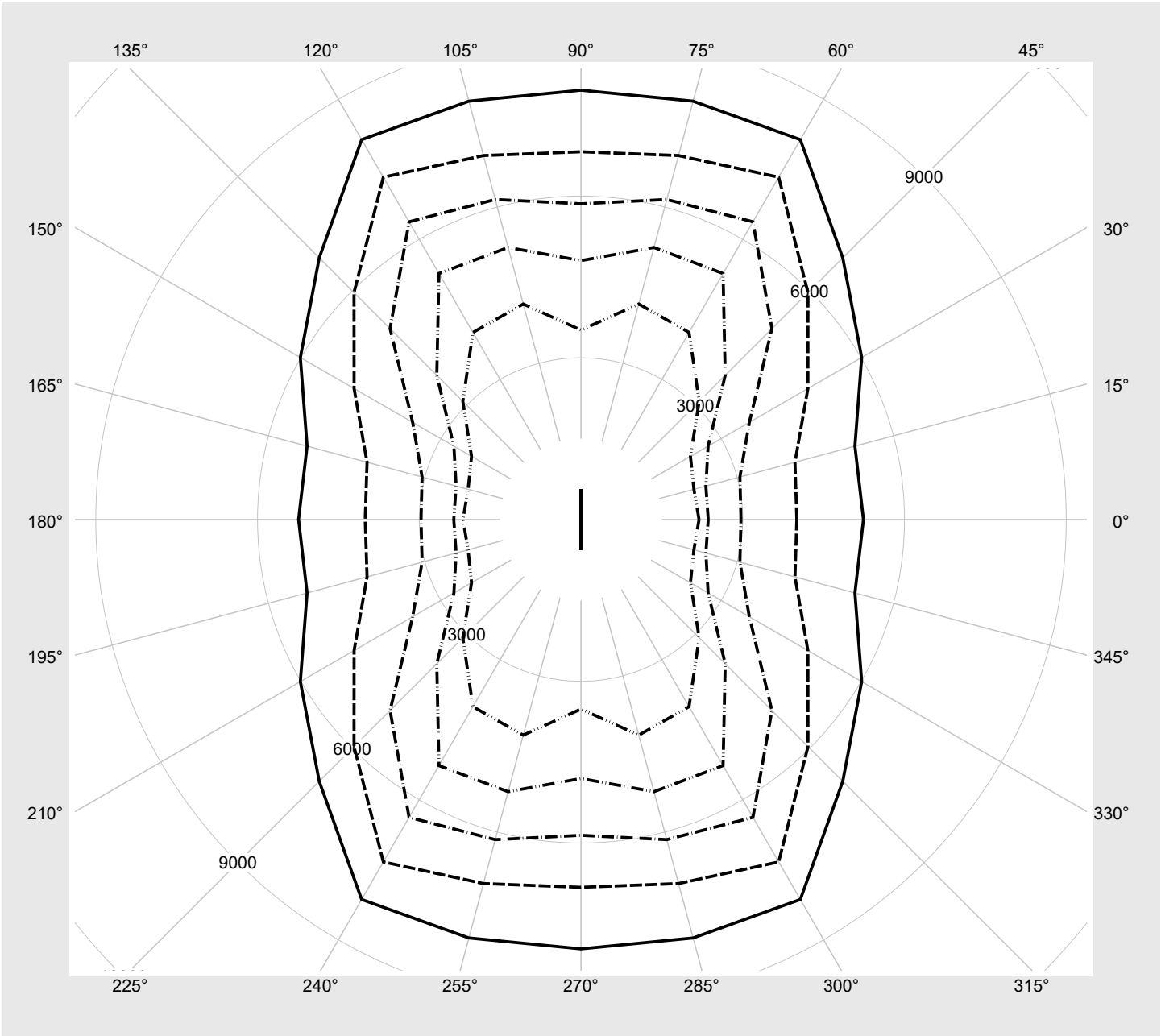
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b>
			<b>B = 58</b>

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°		15761.5	15646.7	14868.0	15012.7	17948.8	20199.8	20876.5	
50°		10634.5	10531.6	9999.7	10615.4	13373.0	15103.9	15494.4	
55°		8139.7	8089.9	8094.3	8742.8	10866.0	11959.7	12104.5	
60°		6540.1	6507.8	6994.7	7790.2	9250.8	9646.2	9637.1	
65°		5238.7	5260.1	6011.3	6866.2	8137.3	8034.7	7964.2	
70°		4002.9	4108.6	4859.9	5954.3	7332.9	6989.8	6821.8	
75°		2966.9	3051.6	3605.2	5008.3	6377.8	6146.7	5857.1	
80°		2359.7	2398.0	2722.4	3782.8	5269.7	5226.0	4803.1	
85°		2189.1	2168.0	2344.3	3099.8	4008.2	4139.8	3514.6	

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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	8910	50.3
95	240	252	8455	47.5
90	227	250	8030	44.8
85	213	248	7567	42.1
80	200	245	7133	39.6
75	187	243	6697	36.9
70	173	240	6223	34.3
65	160	237	5776	31.7
60	148	234	5362	29.4
55	135	231	4911	27.0
50	122	227	4456	24.5
45	109	223	3994	22.0
40	97	219	3568	19.7
35	84	213	3102	17.4
30	72	208	2668	15.1
25	60	201	2229	12.8
20	48	193	1789	10.6
15	36	182	1345	8.4
10	24	168	897	6.2
5	12	142	445	4.1
2	5	110	180	2.9