
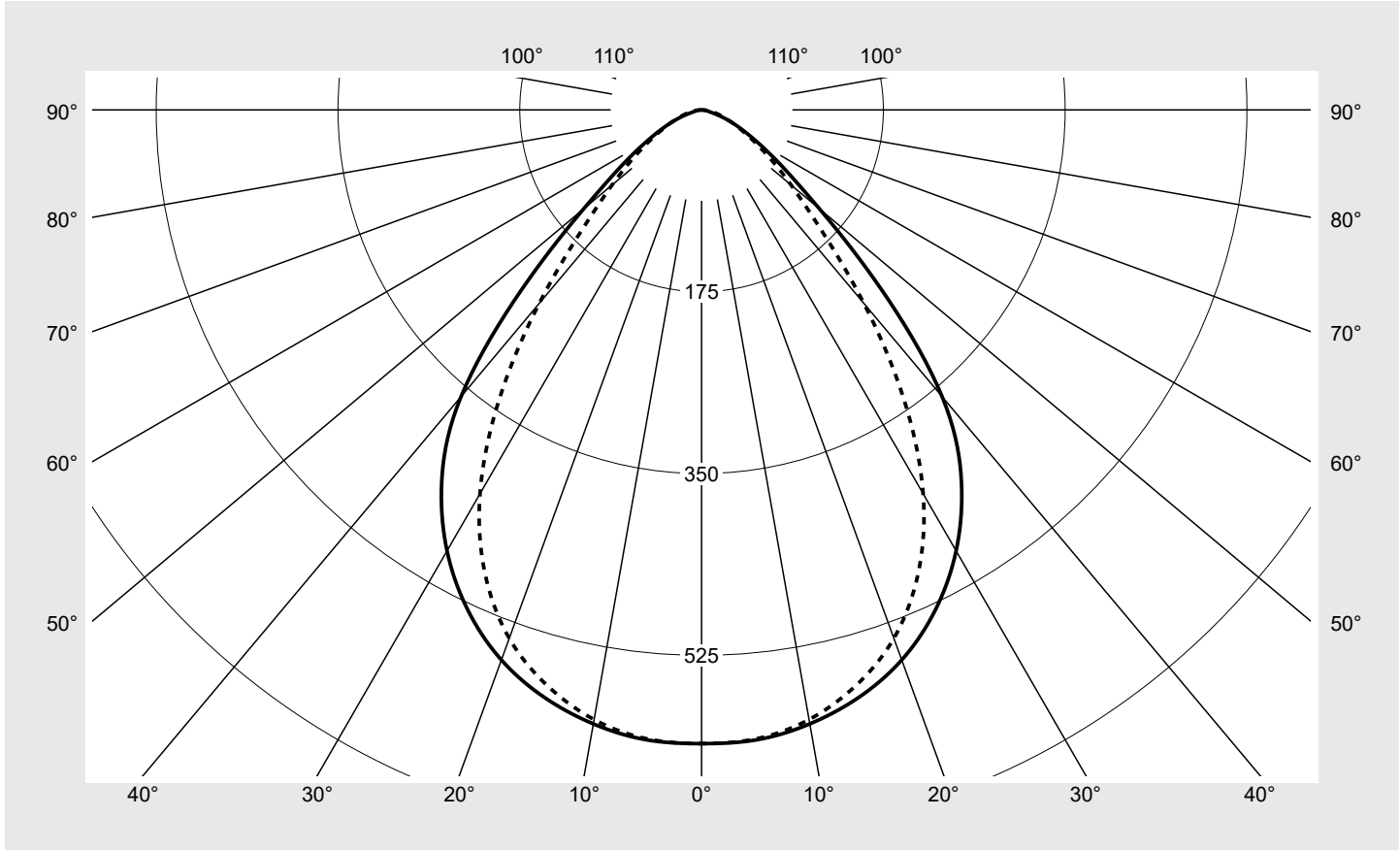


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TE1WDV465M</b> <b>EAN: 4069025242792</b>	<b>LP number</b> <b>59521_63</b>
	<b>Version</b> cover frosted, wide distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 6760 lm Power consumption = 34.7 W Luminous efficacy = 194.8 lm/W	<b>serial documentation</b> <b>28.08.2024</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 610 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=73 N2=94 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 γ	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°	610.0	610.0	610.0	610.0	610.0	610.0	610.0	3.6	3.6
5°	608.6	607.6	603.5	605.7	607.8	607.2	607.6	29.0	32.6
10°	600.1	600.0	594.9	595.9	596.5	595.2	595.9	56.8	89.4
15°	585.3	585.9	578.8	577.8	576.6	573.9	573.7	82.1	171.5
20°	563.4	563.9	554.9	550.2	546.3	542.2	541.3	103.4	275.0
25°	531.8	531.9	519.6	510.4	502.3	495.0	493.0	118.6	393.5
30°	490.1	489.9	473.2	457.8	443.0	430.6	426.6	125.7	519.3
35°	436.1	434.9	413.9	389.9	365.2	345.5	339.2	122.5	641.7
40°	360.2	357.4	334.2	303.1	273.1	250.6	243.1	106.9	748.6
45°	245.6	242.6	226.1	203.9	182.4	166.8	161.9	79.2	827.8
50°	148.2	149.1	145.2	133.7	122.4	114.2	112.6	55.6	883.4
55°	94.6	95.2	94.9	92.6	85.9	79.9	79.2	40.1	923.5
60°	61.8	62.8	63.1	63.8	60.6	55.1	54.9	28.8	952.3
65°	39.8	41.1	42.4	42.8	42.4	38.1	37.8	20.3	972.6
70°	23.6	24.8	26.8	28.2	28.2	26.4	25.7	13.6	986.2
75°	10.5	11.2	13.0	16.6	16.9	18.1	17.0	7.9	994.2
80°	5.4	5.5	5.6	6.4	8.9	11.0	9.8	4.1	998.2
85°	2.7	2.8	2.9	2.9	2.8	4.7	4.7	1.8	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	19.7	21.1	20.0	21.4	21.7	18.4	19.8	18.7	20.1	20.4
	3H	19.9	21.2	20.3	21.5	21.9	18.8	20.1	19.2	20.4	20.7
	4H	19.9	21.1	20.3	21.5	21.8	19.0	20.1	19.4	20.5	20.9
	6H	19.9	21.0	20.3	21.4	21.7	19.1	20.2	19.5	20.5	20.9
	8H	20.0	20.9	20.4	21.3	21.7	19.2	20.2	19.6	20.5	20.9
	12H	20.0	20.8	20.4	21.2	21.7	19.2	20.1	19.6	20.5	20.9
4H	2H	19.8	21.0	20.2	21.3	21.7	18.7	19.8	19.1	20.2	20.6
	3H	20.1	21.1	20.6	21.5	21.9	19.2	20.2	19.6	20.6	21.0
	4H	20.2	21.0	20.6	21.5	21.9	19.5	20.3	19.9	20.7	21.2
	6H	20.2	20.9	20.6	21.4	21.8	19.7	20.4	20.1	20.8	21.3
	8H	20.2	20.8	20.7	21.3	21.8	19.8	20.4	20.2	20.9	21.3
	12H	20.2	20.8	20.7	21.2	21.7	19.8	20.4	20.3	20.9	21.4
8H	4H	20.2	20.9	20.7	21.3	21.8	19.5	20.2	20.0	20.6	21.1
	6H	20.2	20.7	20.7	21.2	21.7	19.8	20.3	20.3	20.8	21.3
	8H	20.2	20.7	20.7	21.2	21.7	19.9	20.4	20.4	20.8	21.4
	12H	20.2	20.6	20.7	21.1	21.7	20.0	20.4	20.5	20.9	21.4
12H	4H	20.2	20.8	20.7	21.2	21.7	19.5	20.1	20.0	20.5	21.0
	6H	20.2	20.7	20.7	21.1	21.7	19.8	20.2	20.3	20.7	21.2
	8H	20.2	20.6	20.7	21.1	21.6	19.9	20.3	20.4	20.8	21.3

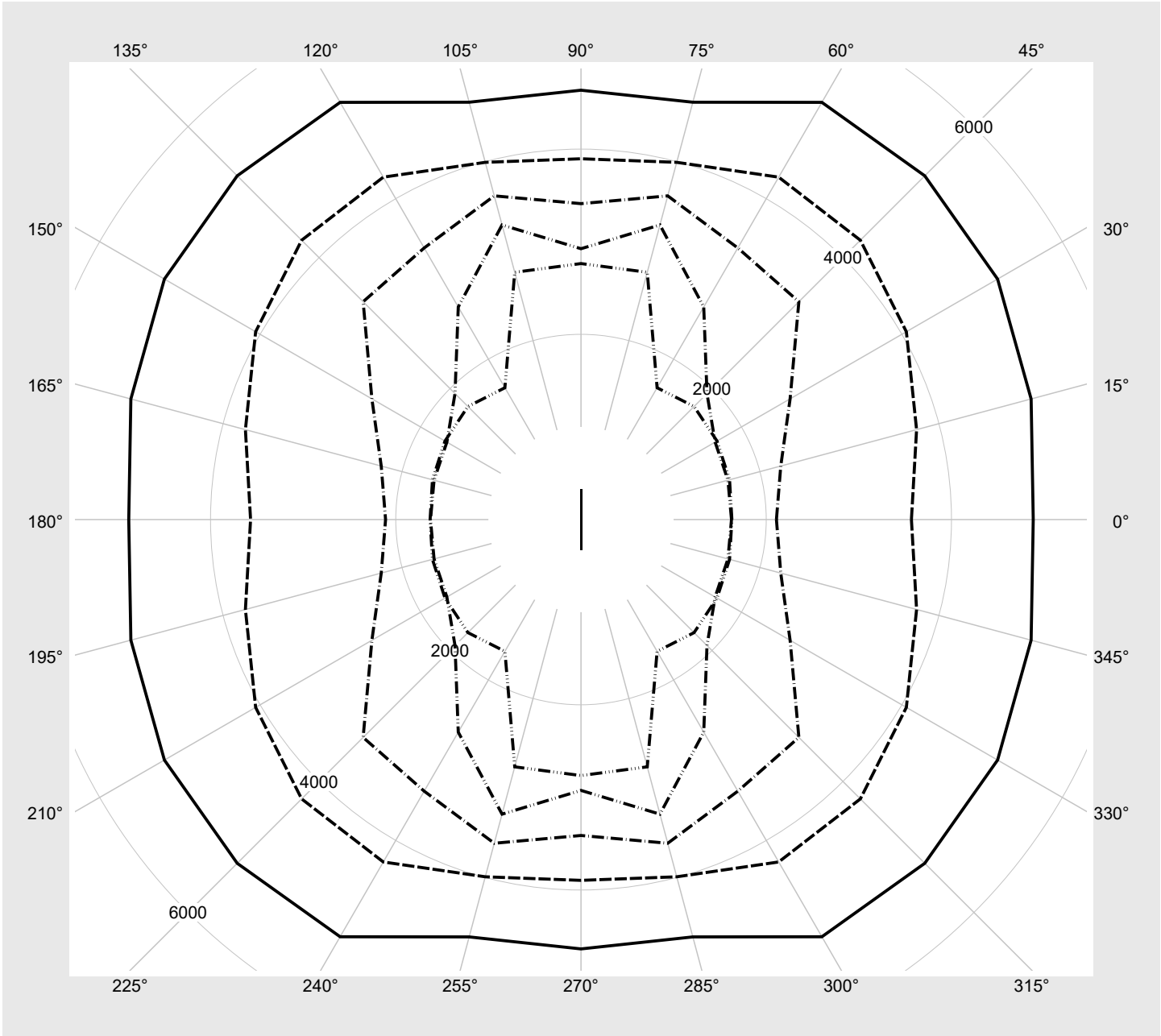
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 2250</b> <b>B = 58</b>
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		17994.4	17775.6	16561.4	14939.6	13360.7	12222.0	11859.0	
50°		11939.3	12016.7	11699.6	10774.4	9863.1	9199.9	9073.4	
55°		8540.3	8596.8	8573.0	8360.4	7755.3	7214.2	7152.3	
60°		6399.1	6501.5	6541.6	6612.6	6274.0	5711.4	5689.2	
65°		4883.0	5031.7	5193.8	5249.1	5201.8	4665.4	4636.1	
70°		3567.7	3751.2	4056.4	4265.7	4269.2	3993.4	3895.9	
75°		2110.1	2233.0	2607.1	3326.8	3386.4	3618.6	3411.2	
80°		1624.9	1642.5	1672.3	1923.8	2650.5	3293.3	2924.6	
85°		1629.1	1660.6	1695.7	1726.6	1643.4	2764.3	2764.3	

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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	6760	34.7
95	241	252	6422	33.0
90	228	250	6081	31.3
85	215	248	5739	29.5
80	202	246	5398	27.9
75	190	243	5079	26.3
70	177	241	4737	24.5
65	164	238	4390	22.7
60	151	235	4046	21.1
55	139	232	3729	19.6
50	126	228	3379	18.0
45	113	224	3033	16.5
40	101	220	2709	15.2
35	88	215	2361	13.8
30	76	210	2037	12.4
25	63	203	1685	10.6
20	51	195	1362	8.6
15	38	184	1007	6.0
10	26	171	682	3.5
8	22	164	574	2.7