

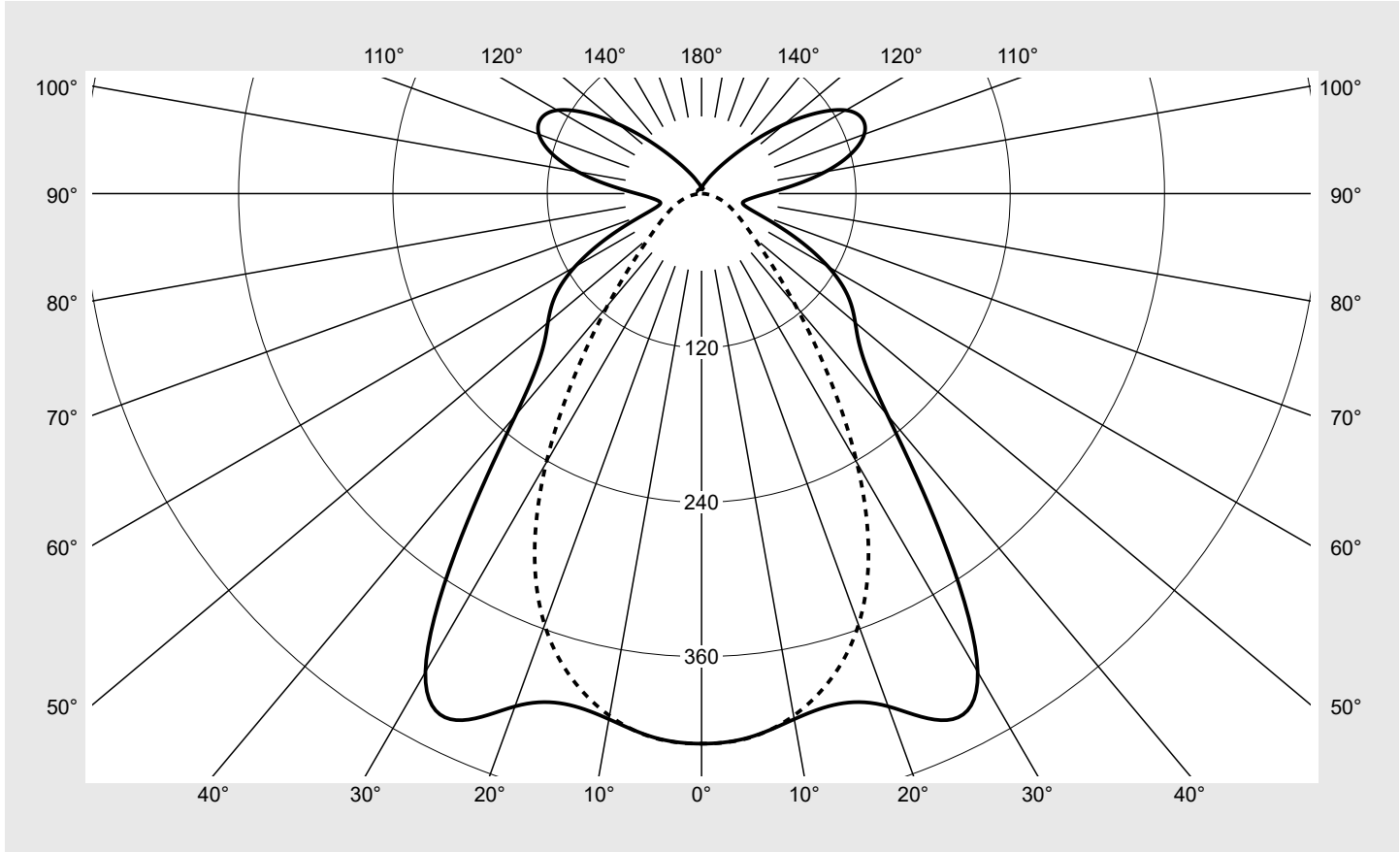


# Photometric test report

<b>Family</b> <b>Licross® 11 Performance</b>	<b>Order number: 51TD16DN4AXG</b> <b>EAN: 4058352928882</b>	<b>LP number</b> <b>58520_333</b>
	<b>Version</b> cover frosted, direct-/ indirect distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 10110 lm Power consumption = 57.1 W Luminous efficacy = 177.1 lm/W	<b>serial documentation</b> <b>14.09.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 452 cd/klm**



Classifications	
DIN 5040	B 5 1
CIE	N1=65 N2=88 N3=96 N4=79 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	79.3%
$\phi_o$	20.7%

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°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	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	19.1	20.4	19.7	20.9	21.6	15.3	16.6	15.9	17.1	17.8
	3H	19.7	20.8	20.3	21.4	22.1	15.7	16.8	16.3	17.4	18.1
	4H	19.9	20.9	20.5	21.5	22.2	15.9	17.0	16.5	17.6	18.3
	6H	20.1	21.0	20.8	21.7	22.5	16.1	17.0	16.7	17.7	18.4
	8H	20.4	21.2	21.1	21.9	22.6	16.0	17.0	16.7	17.6	18.3
	12H	20.7	21.4	21.4	22.1	23.0	16.1	16.9	16.7	17.6	18.3
4H	2H	19.1	20.2	19.7	20.8	21.5	15.8	16.8	16.4	17.4	18.1
	3H	19.8	20.7	20.5	21.3	22.1	16.4	17.2	17.0	17.9	18.6
	4H	20.0	20.8	20.7	21.5	22.3	16.6	17.4	17.3	18.1	18.9
	6H	20.5	21.1	21.2	21.8	22.7	16.9	17.5	17.6	18.2	19.1
	8H	20.8	21.4	21.6	22.1	23.0	16.9	17.5	17.6	18.3	19.1
	12H	21.4	21.8	22.1	22.6	23.5	16.9	17.5	17.7	18.2	19.1
8H	4H	20.0	20.6	20.7	21.3	22.2	16.8	17.4	17.5	18.1	19.0
	6H	20.6	21.1	21.3	21.8	22.7	17.2	17.7	17.9	18.4	19.3
	8H	21.1	21.5	21.8	22.3	23.2	17.3	17.8	18.1	18.5	19.4
	12H	21.8	22.2	22.6	23.0	23.9	17.5	17.8	18.2	18.6	19.5
12H	4H	20.0	20.5	20.7	21.2	22.1	16.8	17.3	17.6	18.1	18.9
	6H	20.5	21.0	21.3	21.7	22.6	17.3	17.7	18.1	18.5	19.4
	8H	21.1	21.5	21.9	22.3	23.2	17.5	17.9	18.3	18.7	19.6

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 36</b>	<b>H(C180) = 36</b>
			<b>B = 115</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</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°		11286.9	11274.7	13185.3	15455.2	9301.0	6552.0	6355.7	
50°		10499.3	9799.7	9537.5	11276.1	7027.1	4966.4	4913.5	
55°		9947.5	8891.3	7347.6	7847.1	5408.1	4028.2	4119.4	
60°		8757.8	7728.8	5834.5	5556.8	4331.6	3443.1	3658.7	
65°		6706.5	5981.3	4583.5	4174.7	3635.4	3068.8	3378.1	
70°		4452.1	4116.3	3543.7	3363.4	3176.2	2796.6	3166.6	
75°		3593.2	3361.5	2978.7	2915.9	2887.1	2543.6	2917.3	
80°		4157.5	3871.8	3194.8	2756.9	2740.9	2324.8	2568.0	
85°		5846.3	5452.2	4371.4	3321.5	2778.9	2197.8	2186.4	

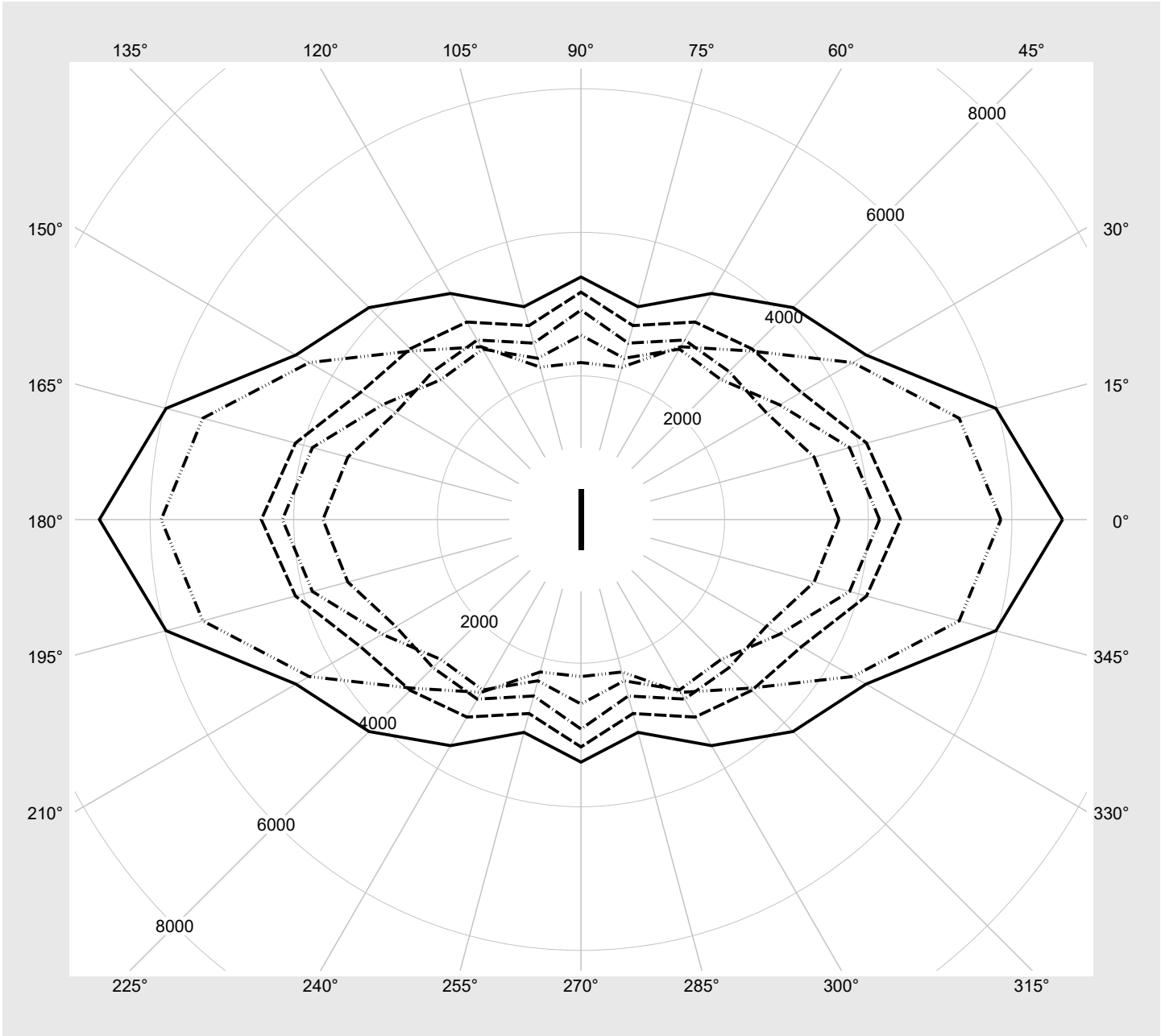
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**Luminance values in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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**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	10110	57.1
95	240	252	9598	53.8
90	226	250	9081	50.7
85	213	248	8594	47.7
80	200	245	8104	44.8
75	186	243	7572	41.7
70	173	240	7073	38.7
65	160	237	6569	35.9
60	147	234	6062	33.0
55	134	231	5552	30.1
50	122	227	5072	27.5
45	109	223	4552	24.7
40	96	218	4026	22.0
35	84	213	3538	19.5
30	72	208	3041	17.0
25	60	201	2544	14.5
20	47	192	2001	11.7
15	36	182	1537	9.4
10	24	168	1026	6.9
5	12	142	509	4.5
2	4	102	164	3.0