

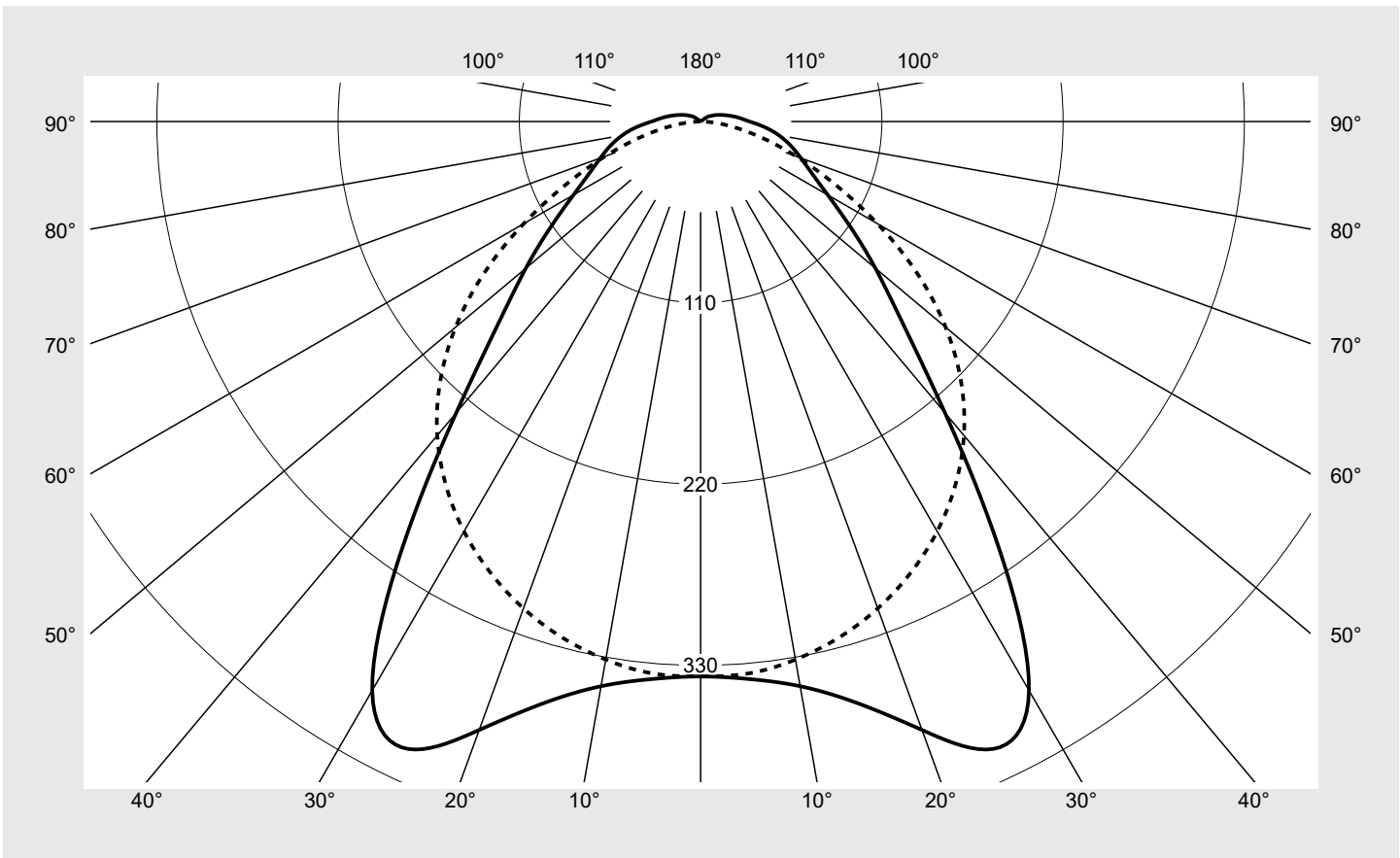


# Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TD1BCN68XG</b> <b>EAN: 4069025233486</b>	<b>LP number</b> <b>58522_290</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 6500 K   CRI ≥ 80 <b>Controlgear</b> ECG-Multilumen CLOi <b>Rated values</b> Net luminous flux = 8310 lm Power consumption = 49.4 W Luminous efficacy = 168.2 lm/W	<b>serial</b> <b>documentation</b> <b>14.11.2025</b>
		

**Luminous intensity in cd/klm**    **C180-0**    **C270-90**    **Imax: 420 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=54 N2=82 N3=95 N4=97 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	96.8%
$\phi_o$	3.2%

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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	0.8	0.8	0.9	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	20.5	22.2	20.9	22.5	22.8	22.4	24.0	22.8	24.3	24.7
	3H	21.7	23.2	22.1	23.5	23.9	23.4	24.9	23.8	25.2	25.6
	4H	22.4	23.8	22.8	24.1	24.5	23.8	25.2	24.2	25.5	25.9
	6H	23.1	24.4	23.6	24.8	25.2	24.0	25.3	24.4	25.7	26.1
	8H	23.6	24.8	24.0	25.1	25.5	24.1	25.3	24.6	25.7	26.1
	12H	23.9	25.1	24.4	25.5	25.9	24.2	25.3	24.6	25.7	26.1
4H	2H	21.4	22.8	21.8	23.1	23.5	22.8	24.2	23.2	24.6	25.0
	3H	22.7	23.9	23.1	24.3	24.7	24.1	25.3	24.5	25.7	26.1
	4H	23.5	24.6	24.0	25.0	25.4	24.6	25.7	25.1	26.1	26.5
	6H	24.4	25.4	24.9	25.8	26.3	25.0	25.9	25.4	26.3	26.8
	8H	24.9	25.8	25.4	26.2	26.7	25.1	26.0	25.6	26.4	26.9
	12H	25.4	26.2	25.9	26.6	27.1	25.2	26.0	25.7	26.4	26.9
8H	4H	23.9	24.8	24.4	25.2	25.7	24.9	25.8	25.4	26.2	26.7
	6H	25.0	25.7	25.5	26.2	26.7	25.4	26.1	25.9	26.6	27.1
	8H	25.6	26.3	26.1	26.7	27.3	25.6	26.3	26.1	26.7	27.3
	12H	26.3	26.8	26.8	27.3	27.8	25.8	26.3	26.3	26.8	27.4
12H	4H	24.0	24.8	24.5	25.2	25.7	25.0	25.7	25.4	26.2	26.7
	6H	25.2	25.8	25.7	26.3	26.8	25.5	26.2	26.0	26.6	27.2
	8H	25.8	26.4	26.3	26.8	27.4	25.8	26.3	26.3	26.8	27.4

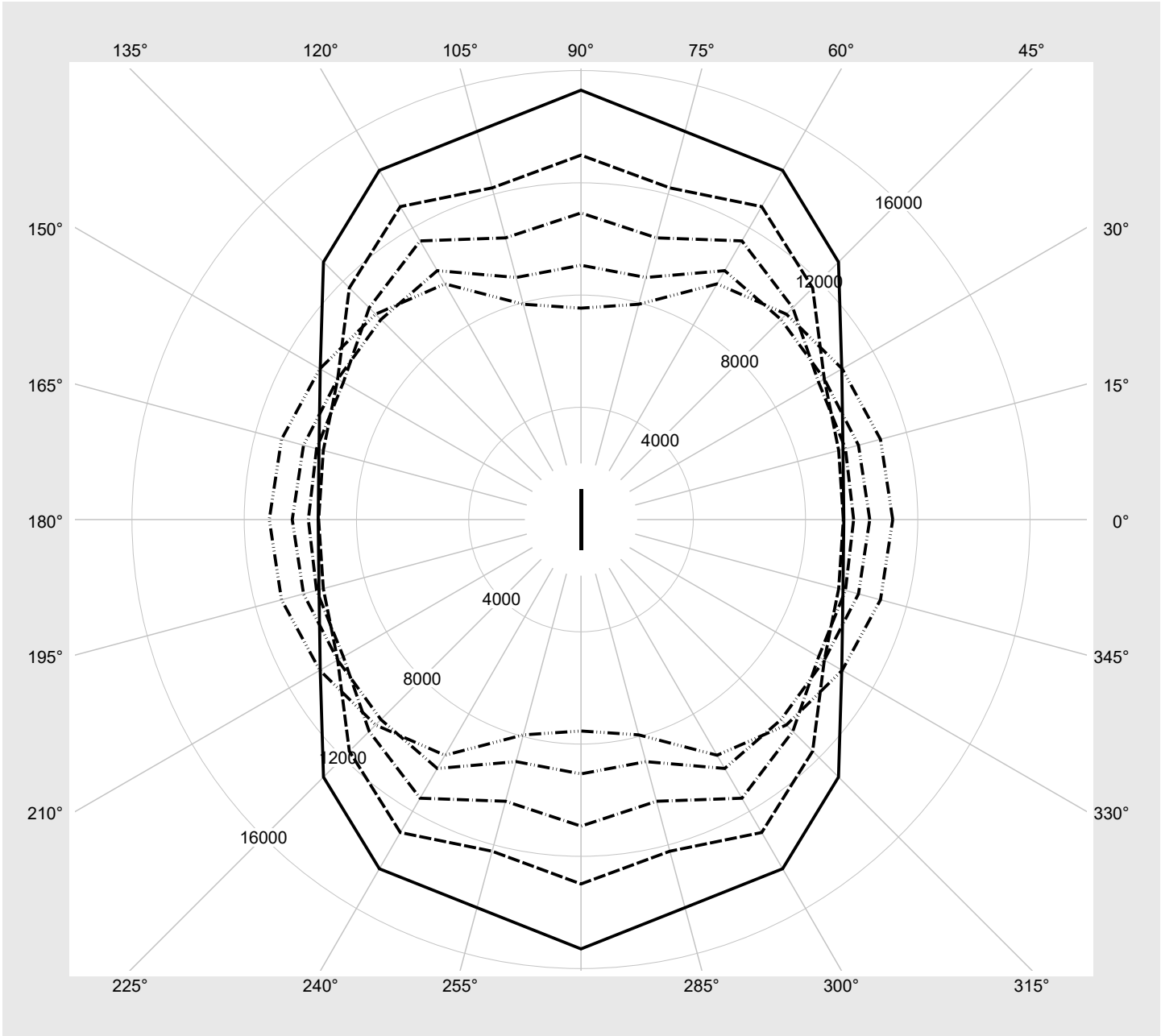
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 13</b>	<b>H(C180) = 13</b>
			<b>B = 78</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

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°	15171.9	15968.7	18289.4	21838.2	24268.5	23420.2	22764.9	
	50°	12938.1	13574.4	15443.0	18492.1	21259.5	21797.4	21739.7	
	55°	11208.0	11784.6	13551.5	16146.2	18463.7	19376.0	20126.9	
	60°	9957.7	10403.3	11932.2	14451.9	16167.2	16729.7	17844.0	
	65°	9365.1	9664.7	10729.2	12976.6	14368.8	14317.3	15299.9	
	70°	9348.5	9506.4	10012.2	11673.4	12876.9	12235.6	12985.5	
	75°	9715.0	9755.3	9778.7	10673.4	11466.1	10392.3	10925.2	
	80°	10289.2	10235.8	10011.9	10081.4	10242.0	8930.8	9063.3	
	85°	11107.7	11047.4	10746.2	10350.6	9698.5	7943.2	7534.2	

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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>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	8310	49.4	52.1	50.8
2	A	C	F	7830	46.2	48.9	47.6
3	A	D	E	7340	43.1	45.4	44.2
4	A	D	F	6930	40.5	42.7	41.6
5	B	C	E	6430	37.4	39.6	38.5
6	B	C	F	6010	34.8	36.5	35.6
7	B	D	E	5510	31.8	33.5	32.6
8	B	D	F	5080	29.2	30.9	30.0