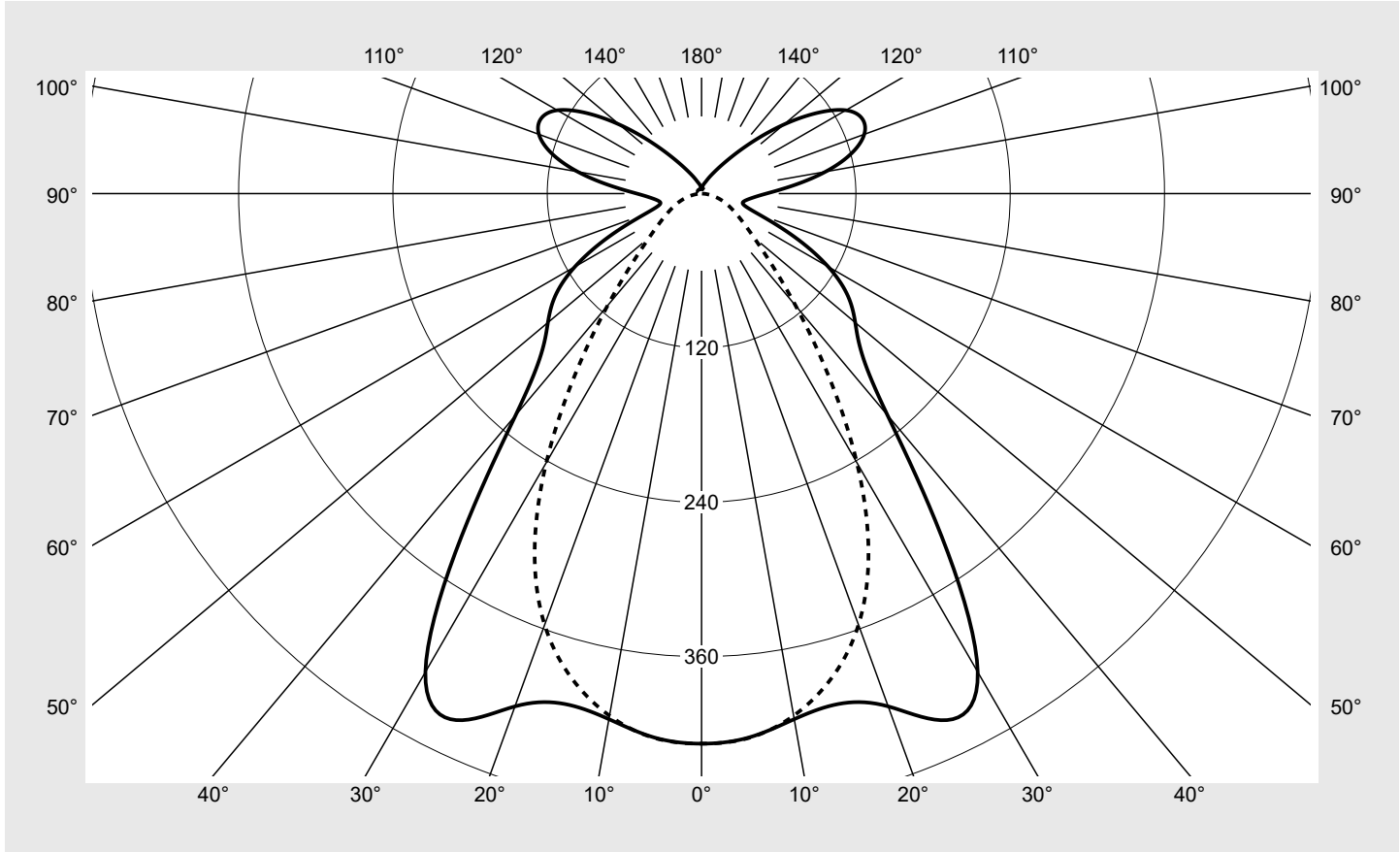


# Photometric test report

<b>Family</b> <b>Licross® 11 Performance</b>	<b>Order number: 51TM16MN4AXG</b> <b>EAN: 4058352930045</b>	<b>LP number</b> <b>58520_358</b>
	<b>Version</b> cover frosted, direct-/ indirect distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> Net luminous flux = 10160 lm Power consumption = 55.3 W Luminous efficacy = 183.7 lm/W	<b>serial documentation</b> <b>11.10.2023</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

## Photometric test report

<b>Family</b> <b>Licross® 11 Performance</b>	<b>Order number: 51TM16MN4AXG</b> <b>EAN: 4058352930045</b>	<b>LP number</b> <b>58520_358</b>
<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

## Photometric test report

<b>Family</b> Licross® 11 Performance	<b>Order number: 51TM16MN4AXG</b> <b>EAN: 4058352930045</b>	<b>LP number</b> 58520_358
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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	21.0	21.6	15.3	16.6	15.9	17.2	17.8
	3H	19.7	20.8	20.3	21.4	22.1	15.7	16.9	16.3	17.5	18.1
	4H	19.9	20.9	20.5	21.5	22.3	15.9	17.0	16.5	17.6	18.3
	6H	20.2	21.1	20.8	21.7	22.5	16.1	17.1	16.7	17.7	18.4
	8H	20.4	21.2	21.1	21.9	22.7	16.1	17.0	16.7	17.6	18.4
	12H	20.7	21.5	21.4	22.2	23.0	16.1	16.9	16.7	17.6	18.4
4H	2H	19.1	20.2	19.7	20.8	21.5	15.8	16.8	16.4	17.4	18.2
	3H	19.8	20.7	20.5	21.3	22.1	16.4	17.2	17.0	17.9	18.6
	4H	20.1	20.8	20.7	21.5	22.3	16.7	17.4	17.3	18.1	18.9
	6H	20.5	21.1	21.2	21.9	22.7	16.9	17.5	17.6	18.2	19.1
	8H	20.8	21.4	21.6	22.2	23.0	16.9	17.6	17.7	18.3	19.1
	12H	21.4	21.9	22.1	22.6	23.5	17.0	17.5	17.7	18.2	19.1
8H	4H	20.0	20.6	20.7	21.4	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	17.4	17.8	18.1	18.6	19.5
	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	21.3	22.1	16.8	17.3	17.6	18.1	19.0
	6H	20.6	21.0	21.3	21.8	22.7	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

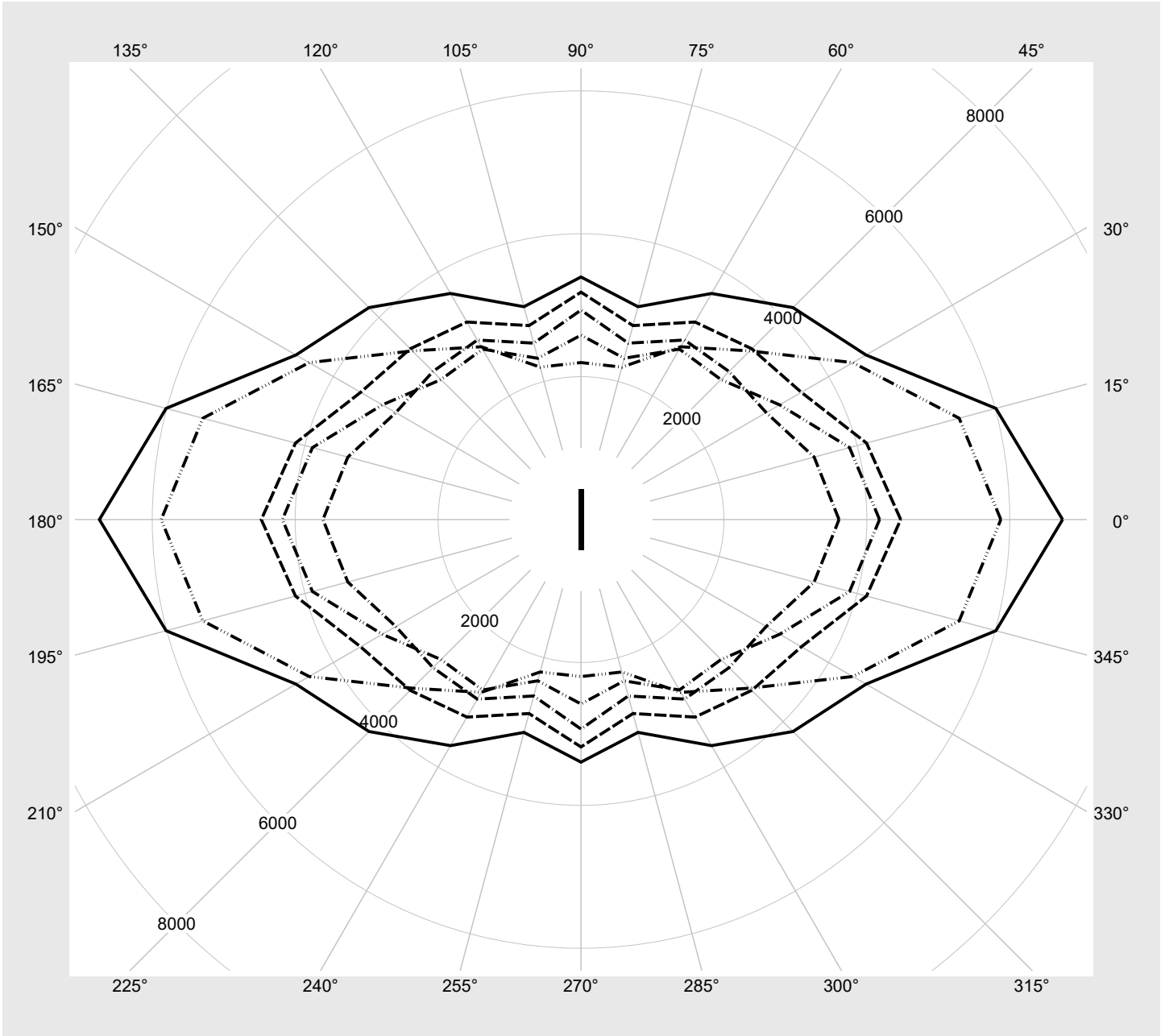
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 36</b>	<b>H(C180) = 36</b>
			<b>B = 115</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</b>

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°		11342.7	11330.5	13250.5	15531.7	9347.0	6584.4	6387.1		
50°		10551.3	9848.1	9584.6	11331.9	7061.8	4991.0	4937.8		
55°		9996.7	8935.2	7383.9	7885.9	5434.8	4048.1	4139.8		
60°		8801.2	7767.1	5863.3	5584.3	4353.1	3460.1	3676.8		
65°		6739.7	6010.9	4606.1	4195.3	3653.4	3084.0	3394.8		
70°		4474.1	4136.6	3561.2	3380.1	3191.9	2810.4	3182.3		
75°		3610.9	3378.1	2993.4	2930.3	2901.4	2556.2	2931.7		
80°		4178.1	3890.9	3210.6	2770.6	2754.4	2336.3	2580.7		
85°		5875.2	5479.1	4393.0	3338.0	2792.7	2208.6	2197.2		

**Photometric test report**

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**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



### Photometric test report

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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]
	1	2	3		
1	A	C	E	10160	55.3
2	A	C	F	9638	52.1
3	A	D	E	9191	49.4
4	A	D	F	8658	46.3
5	B	C	E	8126	43.1
6	B	C	F	7668	40.5
7	B	D	E	7114	37.4
8	B	D	F	6646	34.7