

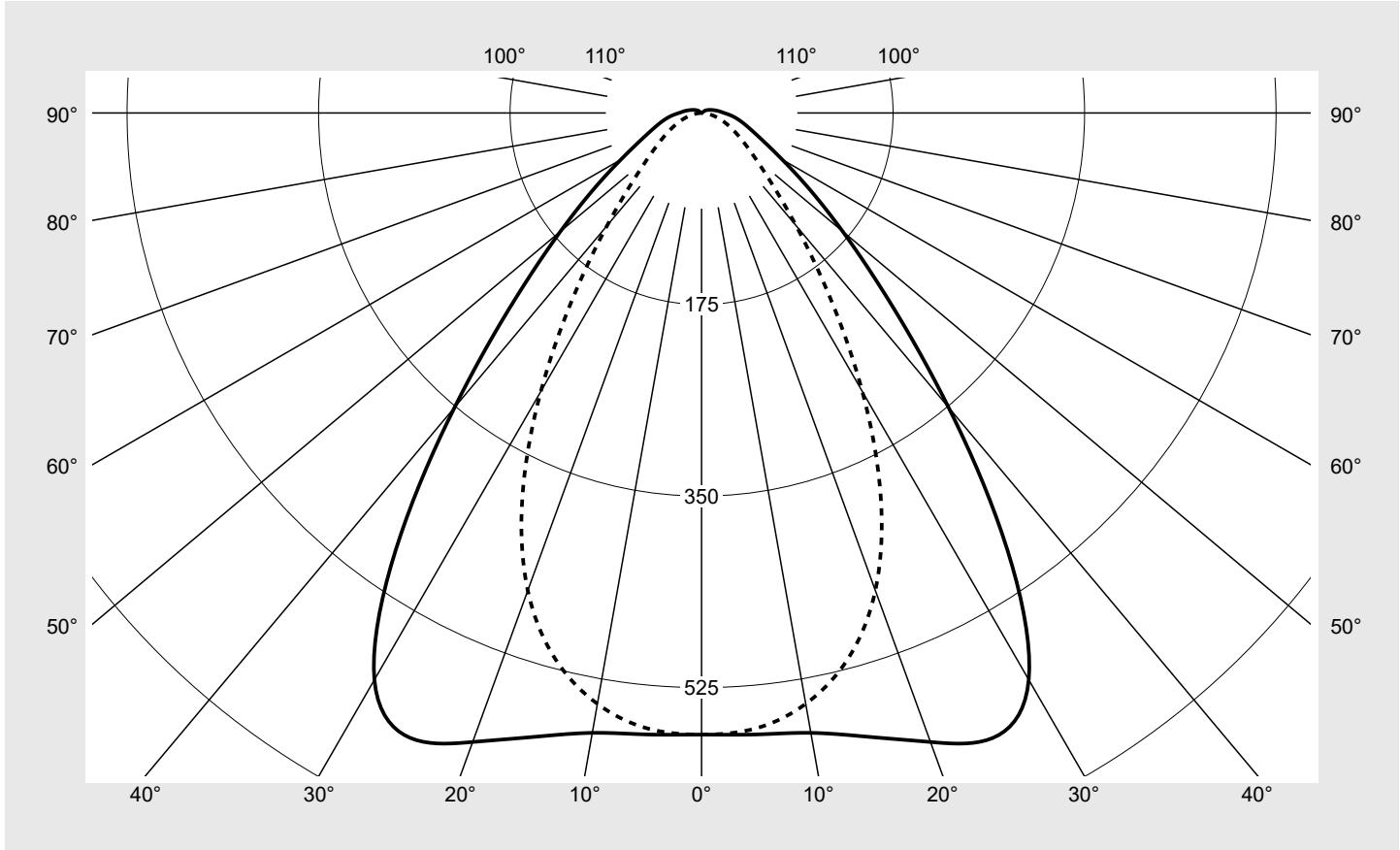


# Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP12CN4EXM</b> <b>EAN: 4058352930267</b>	<b>LP number</b> <b>58523_224</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-Multilumen CLOi <b>Rated values</b> Net luminous flux = 14240 lm Power consumption = 77.6 W Luminous efficacy = 183.5 lm/W	<b>serial documentation</b> <b>12.10.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 630 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=70 N2=91 N3=97 N4=98 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	98.3%
$\phi_o$	1.7%

Measurement conditions
DIN EN 13032 and DIN 5032

## Photometric test report

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP12CN4EXM</b> <b>EAN: 4058352930267</b>	<b>LP number</b> <b>58523_224</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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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

## Photometric test report

<b>Family</b> Licross® 11 Protected	<b>Order number: 51TP12CN4EXM</b> <b>EAN: 4058352930267</b>	<b>LP number</b> 58523_224
--	--	-------------------------------

<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
------------------	----------------------	---------------

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	23.2	24.7	23.6	25.0	25.3	19.0	20.5	19.4	20.8	21.1
	3H	23.8	25.1	24.2	25.4	25.8	19.5	20.8	19.8	21.1	21.5
	4H	24.1	25.3	24.5	25.7	26.0	19.6	20.9	20.0	21.2	21.6
	6H	24.6	25.6	25.0	26.0	26.4	19.8	20.9	20.2	21.3	21.7
	8H	24.9	25.8	25.3	26.2	26.6	19.9	20.9	20.3	21.3	21.7
	12H	25.1	25.9	25.5	26.3	26.8	19.9	20.9	20.3	21.3	21.7
4H	2H	23.2	24.5	23.6	24.8	25.2	19.7	20.9	20.1	21.2	21.6
	3H	24.0	25.0	24.4	25.4	25.8	20.3	21.3	20.7	21.7	22.1
	4H	24.4	25.3	24.9	25.7	26.2	20.5	21.4	21.0	21.8	22.3
	6H	25.0	25.8	25.5	26.2	26.7	20.7	21.5	21.2	22.0	22.4
	8H	25.3	26.0	25.8	26.5	26.9	20.8	21.5	21.3	22.0	22.5
	12H	25.7	26.3	26.2	26.7	27.2	20.9	21.5	21.4	22.0	22.5
8H	4H	24.4	25.2	24.9	25.6	26.1	20.8	21.5	21.3	22.0	22.5
	6H	25.1	25.7	25.6	26.2	26.7	21.2	21.7	21.7	22.2	22.7
	8H	25.5	26.0	26.0	26.5	27.0	21.3	21.8	21.8	22.3	22.8
	12H	26.0	26.4	26.5	26.9	27.5	21.4	21.8	21.9	22.3	22.9
12H	4H	24.4	25.1	24.9	25.5	26.0	20.9	21.5	21.4	22.0	22.5
	6H	25.1	25.6	25.6	26.1	26.6	21.3	21.8	21.8	22.3	22.8
	8H	25.5	26.0	26.0	26.5	27.0	21.5	21.9	22.0	22.4	22.9

<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°	36142.4	37663.8	39199.4	33062.8	22607.0	16824.7	15688.9	
	50°	26947.3	28019.7	29300.8	24314.9	16476.3	12731.3	12227.6	
	55°	20650.7	21305.5	21993.0	17926.2	12412.9	10204.2	10220.6	
	60°	16290.5	16560.5	16653.2	13547.3	9849.5	8580.8	8896.8	
	65°	13715.7	13577.1	12978.6	10640.7	8269.8	7494.5	7931.9	
	70°	12460.9	11923.8	10544.4	8746.1	7267.5	6673.7	7168.2	
	75°	12126.0	11194.8	9139.2	7517.3	6524.8	5948.8	6436.1	
	80°	12407.6	11146.0	8572.9	6787.0	5958.0	5363.3	5695.7	
	85°	13234.4	11792.2	8757.6	6737.0	5790.3	4986.2	5124.9	

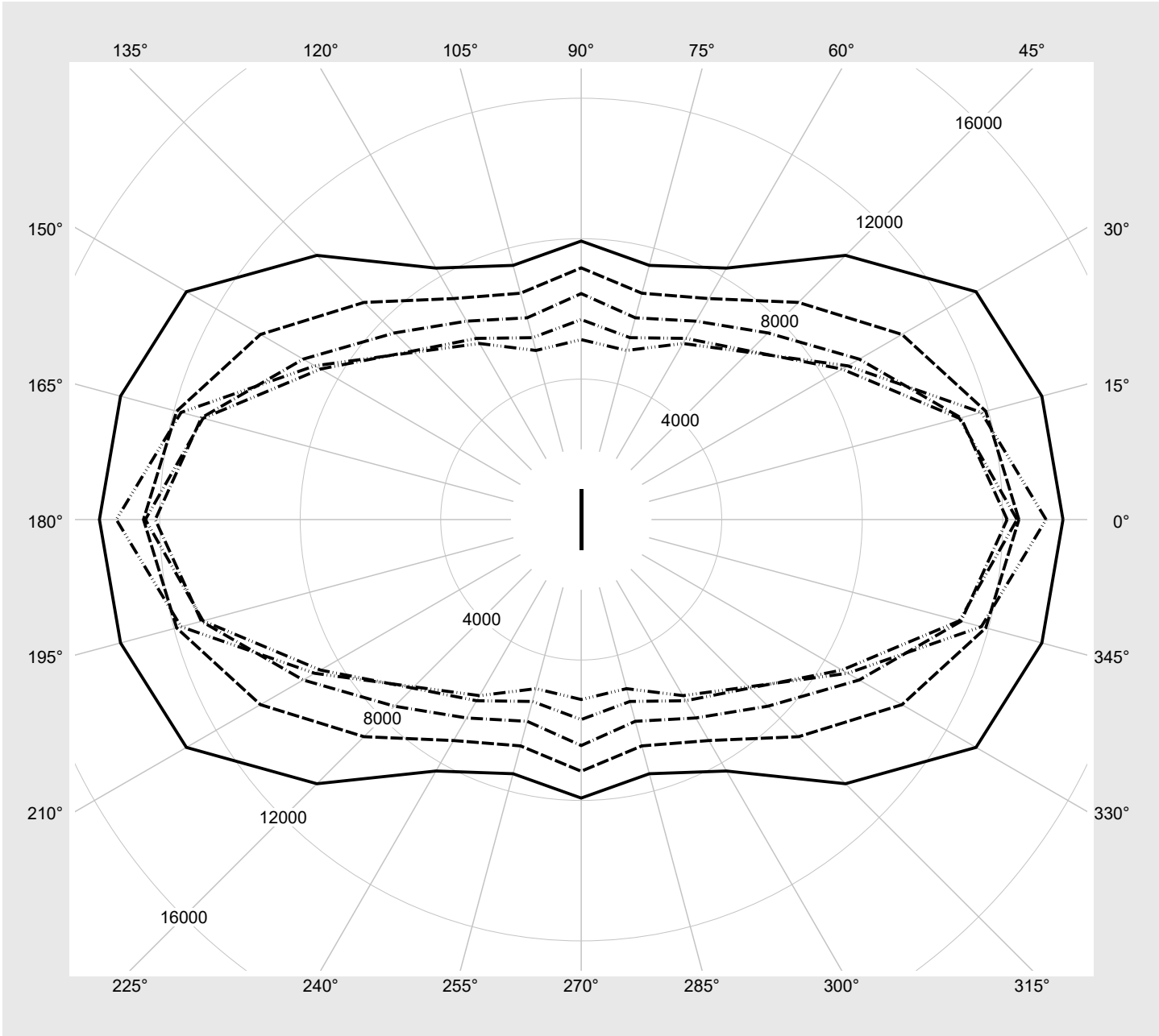
**Photometric test report**

<b>Family</b> <b>Licross® 11 Protected</b>	<b>Order number: 51TP12CN4EXM</b> <b>EAN: 4058352930267</b>	<b>LP number</b> <b>58523_224</b>
---	--	--------------------------------------

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

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
--------------	--------------	--------------	--------------	--------------

**siteco**



### Photometric test report

<b>Family</b> Licross® 11 Protected	<b>Order number: 51TP12CN4EXM</b> <b>EAN: 4058352930267</b>	<b>LP number</b> <b>58523_224</b>
--	--	--------------------------------------

<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	14240	77.6	87.4	82.5
2	A	C	F	13005	70.1	79.0	74.6
3	A	D	E	12035	64.3	74.9	69.6
4	A	D	F	10981	58.3	65.2	61.8
5	B	C	E	9990	52.6	58.7	55.6
6	B	C	F	8989	47.0	52.2	49.6
7	B	D	E	7988	41.5	46.2	43.8
8	B	D	F	6966	36.0	39.9	38.0