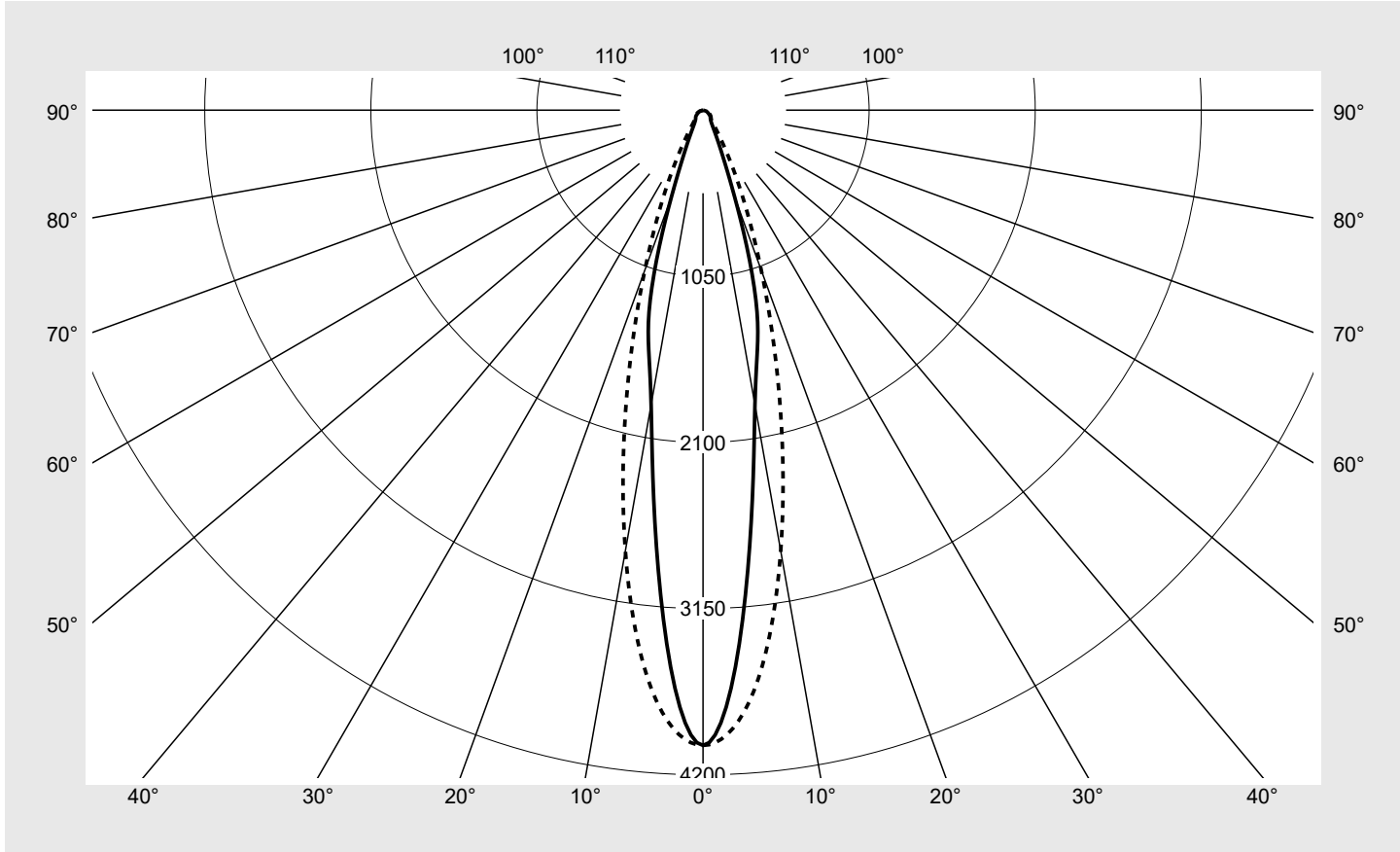


# Photometric test report

<b>Family</b> Licross® 11 Protected	<b>Order number: 51TD13MN4GXS</b> <b>EAN: 4058352928806</b>	<b>LP number</b> 58527_93
<b>Version</b>	prismatic cover, frosted, extremely narrow distribution	<b>serial documentation</b> 11.10.2023
<b>Lamps</b>	LED 4000 K   CRI ≥ 80	
<b>Controlgear</b>	ECG Multilumen	
<b>Rated values</b>	Net luminous flux = 16110 lm Power consumption = 87.4 W Luminous efficacy = 184.3 lm/W	



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 4014 cd/klm**



Classifications	
DIN 5040	A 8 1
CIE	N1=89 N2=96 N3=99 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	99.7%
$\phi_o$	0.3%

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°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	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	15.1	16.2	15.5	16.5	16.9	15.7	16.8	16.0	17.1	17.4
	3H	16.8	17.5	17.1	17.8	18.2	17.2	17.9	17.6	18.3	18.6
	4H	17.2	18.1	17.6	18.4	18.8	17.4	18.3	17.8	18.6	19.0
	6H	17.6	18.6	18.0	19.0	19.4	17.4	18.4	17.8	18.8	19.2
	8H	18.2	18.9	18.7	19.3	19.7	17.6	18.4	18.0	18.8	19.2
	12H	18.2	19.1	18.7	19.5	19.9	17.6	18.4	18.0	18.8	19.2
4H	2H	15.4	16.3	15.8	16.6	17.0	15.8	16.7	16.2	17.1	17.5
	3H	16.9	17.6	17.3	18.0	18.4	17.2	17.9	17.6	18.3	18.7
	4H	17.7	18.3	18.1	18.7	19.2	17.7	18.3	18.1	18.8	19.2
	6H	18.2	19.0	18.7	19.4	19.9	17.8	18.6	18.2	19.0	19.4
	8H	18.9	19.4	19.3	19.8	20.3	18.2	18.6	18.6	19.1	19.6
	12H	19.0	19.6	19.5	20.1	20.6	17.9	18.6	18.4	19.0	19.5
8H	4H	17.8	18.3	18.3	18.8	19.3	17.8	18.3	18.3	18.8	19.3
	6H	19.1	19.2	19.6	19.7	20.2	18.3	18.7	18.8	19.2	19.7
	8H	19.2	19.6	19.7	20.0	20.6	18.5	18.8	19.0	19.3	19.8
	12H	19.4	19.9	19.9	20.4	21.0	18.3	18.8	18.8	19.3	19.9
12H	4H	17.6	18.2	18.1	18.7	19.2	17.6	18.3	18.1	18.7	19.2
	6H	18.5	19.1	19.0	19.6	20.1	18.1	18.7	18.6	19.1	19.7
	8H	19.0	19.5	19.5	20.0	20.6	18.3	18.8	18.8	19.3	19.9

<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°		11105.4	9887.4	7747.6	6973.4	7787.1	10433.6	14134.2	
50°		10514.5	9210.6	7110.1	6166.4	6471.6	9171.3	14111.0	
55°		9265.8	8243.6	6678.0	5658.4	5715.3	8041.8	13909.4	
60°		8189.2	7193.7	6211.8	5307.3	5201.0	7030.4	13245.5	
65°		7302.8	6251.3	5697.5	5112.6	4859.1	6141.4	11766.1	
70°		6688.3	5610.7	5043.6	4972.6	4611.9	5354.8	9539.6	
75°		6370.2	5274.3	4510.0	4826.3	4422.1	4646.1	7234.3	
80°		6013.3	5096.7	4292.7	4609.9	4319.5	3993.6	5265.5	
85°		5804.5	5057.1	4426.9	4597.5	4553.0	3438.2	3681.1	

**Photometric test report**

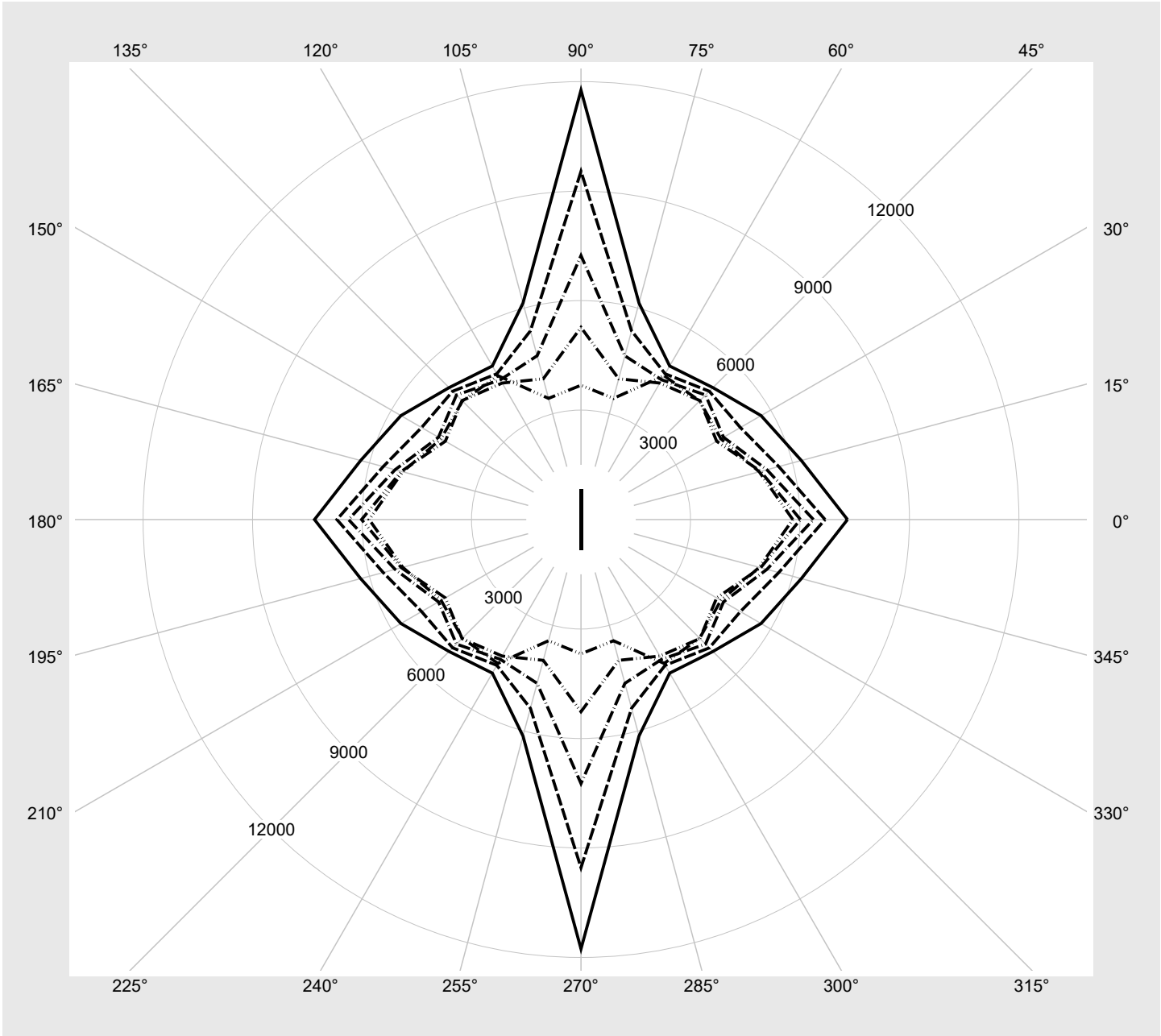
**Family**  
**Licross® 11 Protected**

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**EAN: 4058352928806**

**LP number**  
**58527\_93**

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

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



## Photometric test report

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LP number  
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### Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	16110	87.4
2	A	C	F	15311	82.6
3	A	D	E	14279	76.2
4	A	D	F	13235	70.1
5	B	C	E	12256	64.3
6	B	C	F	11180	58.3
7	B	D	E	10169	52.6
8	B	D	F	9157	47.0