



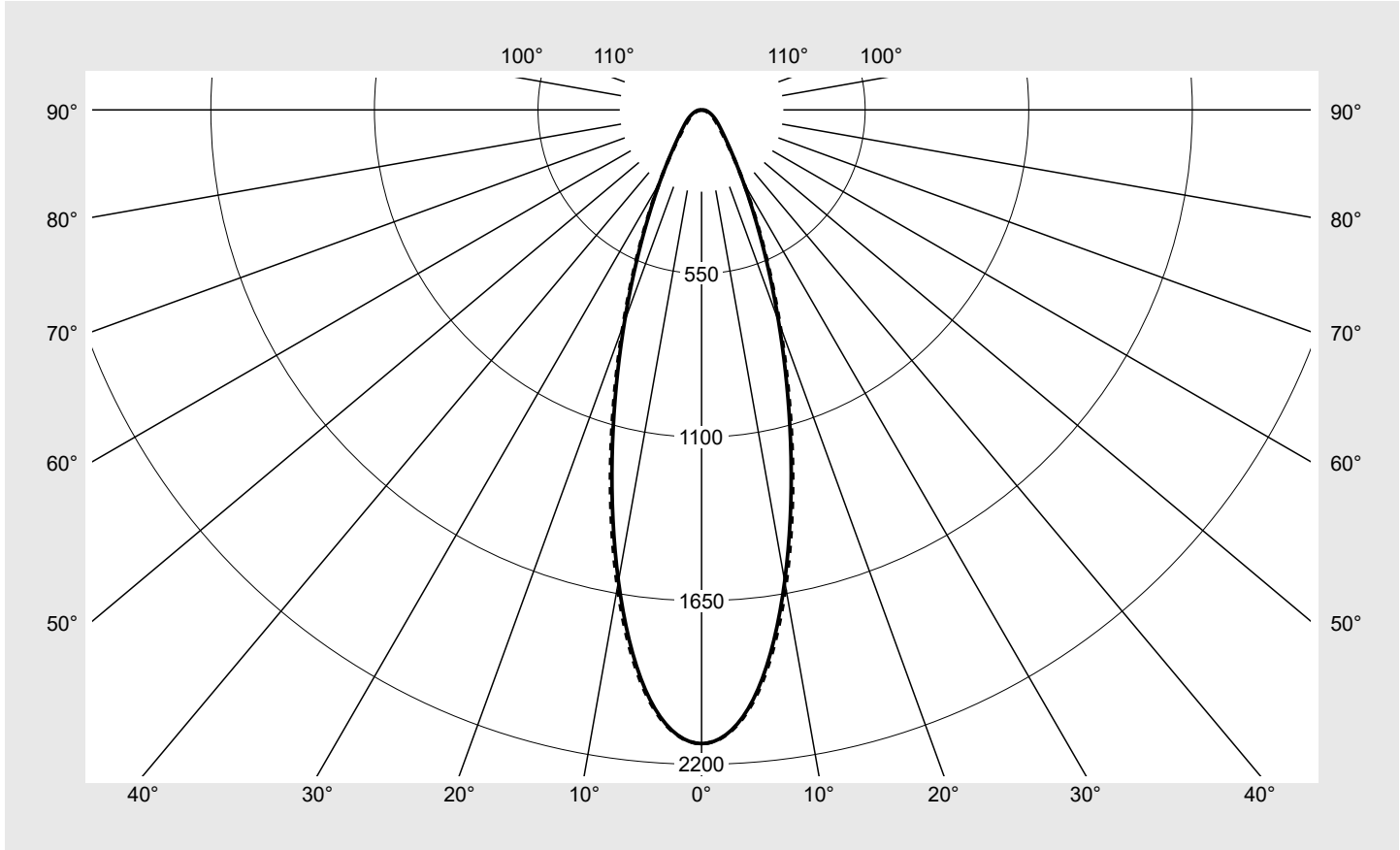
# Photometric test report

<b>Family</b> <b>Licross® 21 Protected</b>	<b>Order number: 52TP11MN4FXS</b> <b>EAN: 4058352903803</b>	<b>LP number</b> <b>58525_181</b>
	<b>Version</b> prismatic cover, frosted, narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> Net luminous flux = 15020 lm Power consumption = 83.2 W Luminous efficacy = 180.5 lm/W	<b>serial documentation</b> <b>24.08.2023</b>





**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 2130 cd/klm**



Classifications	
DIN 5040	A 7 1
CIE	N1=84 N2=94 N3=98 N4=99 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	99.1%
$\phi_o$	0.9%

**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°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	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	17.5	18.7	17.8	19.0	19.3	17.1	18.3	17.5	18.6	18.9
	3H	18.6	19.6	18.9	20.0	20.3	18.0	19.1	18.4	19.4	19.8
	4H	19.1	20.0	19.5	20.4	20.8	18.4	19.4	18.8	19.7	20.1
	6H	19.5	20.4	20.0	20.8	21.2	18.7	19.6	19.1	19.9	20.3
	8H	19.8	20.6	20.3	21.0	21.4	18.9	19.6	19.3	20.0	20.4
	12H	20.0	20.7	20.5	21.1	21.5	18.9	19.6	19.4	20.0	20.4
4H	2H	17.7	18.7	18.1	19.1	19.4	17.4	18.4	17.8	18.7	19.1
	3H	19.0	19.8	19.4	20.2	20.6	18.5	19.3	18.9	19.7	20.1
	4H	19.6	20.4	20.1	20.8	21.2	19.0	19.7	19.4	20.1	20.6
	6H	20.3	20.9	20.7	21.3	21.8	19.4	20.0	19.8	20.4	20.9
	8H	20.6	21.1	21.0	21.6	22.0	19.5	20.1	20.0	20.5	21.0
	12H	20.9	21.3	21.4	21.8	22.3	19.6	20.1	20.1	20.6	21.1
8H	4H	19.8	20.4	20.3	20.8	21.3	19.2	19.8	19.7	20.2	20.7
	6H	20.6	21.0	21.1	21.5	22.0	19.7	20.2	20.2	20.7	21.2
	8H	21.0	21.4	21.5	21.9	22.4	19.9	20.3	20.4	20.8	21.4
	12H	21.4	21.7	21.9	22.2	22.7	20.1	20.4	20.6	20.9	21.5
12H	4H	19.8	20.3	20.3	20.8	21.3	19.3	19.7	19.8	20.2	20.7
	6H	20.6	21.0	21.2	21.5	22.0	19.8	20.2	20.4	20.7	21.2
	8H	21.1	21.4	21.6	21.9	22.4	20.1	20.4	20.6	20.9	21.5

<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°		14593.5	13924.1	12705.8	12199.4	12658.3	13903.5	15226.6	
50°		12312.1	11602.1	10386.5	9750.5	10063.6	11384.1	12885.2	
55°		10725.6	10058.3	8988.6	8332.9	8508.4	9793.7	11389.5	
60°		9419.6	8859.8	8035.4	7467.4	7491.4	8625.7	10174.7	
65°		8325.5	7896.5	7320.5	6891.0	6822.8	7681.3	9072.0	
70°		7431.1	7113.8	6702.9	6456.3	6329.3	6850.2	8055.4	
75°		6741.9	6492.0	6203.4	6097.5	5907.9	6046.9	7044.5	
80°		6250.1	6047.5	5886.4	5798.4	5529.3	5330.8	6034.7	
85°		6028.4	5869.2	5800.1	5808.5	5401.0	4743.4	5213.0	

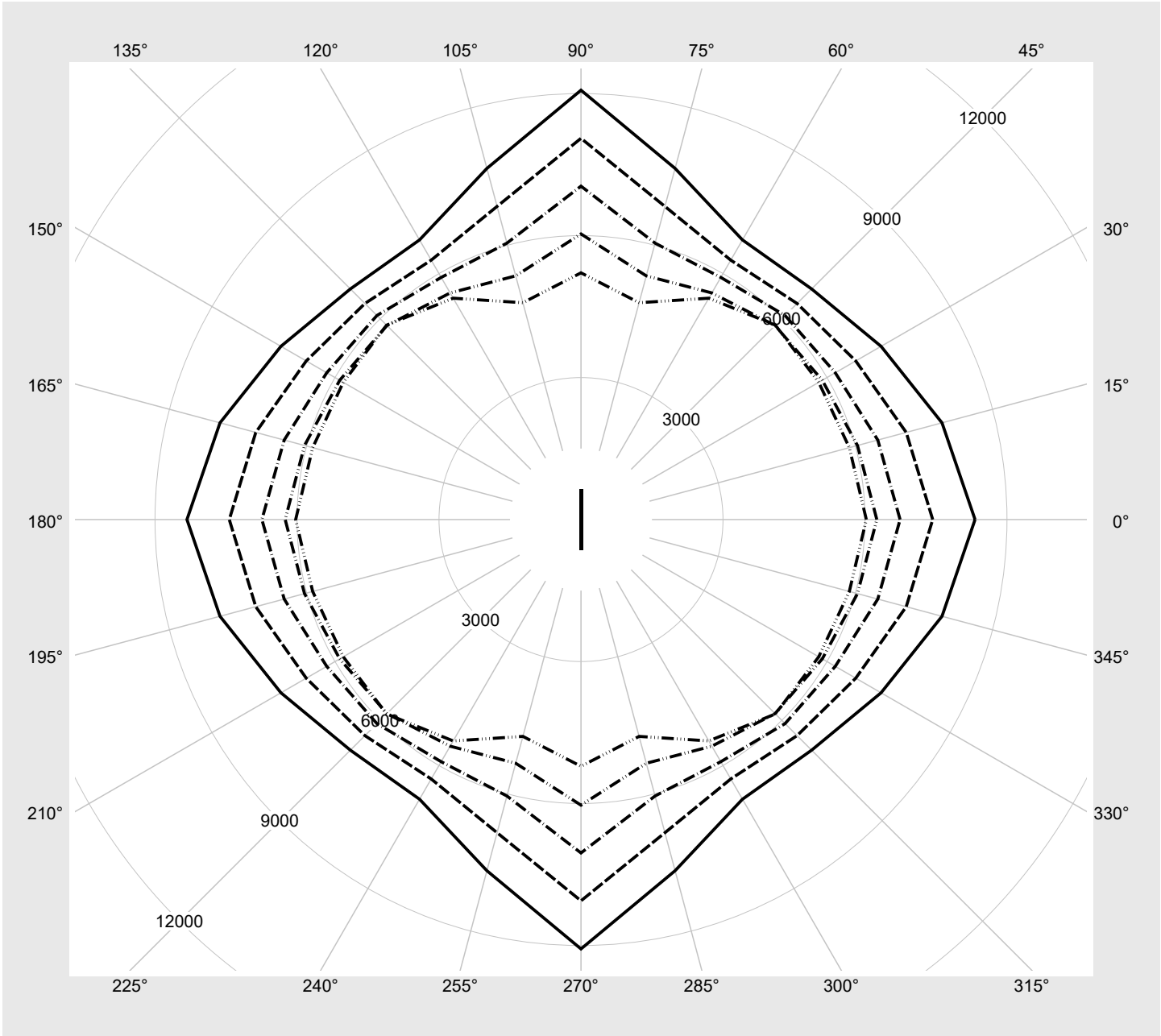
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**Luminance values in cd/m<sup>2</sup>**

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

**siteco**



## Photometric test report

Family  
Licross® 21 Protected

Order number: 52TP11MN4FXS  
EAN: 4058352903803

LP number  
58525\_181

### Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15020	83.2
2	A	C	F	14106	78.5
3	A	D	E	13108	72.4
4	A	D	F	12100	66.3
5	B	C	E	11081	60.3
6	B	C	F	10041	54.3
7	B	D	E	9065	48.8
8	B	D	F	8077	43.3