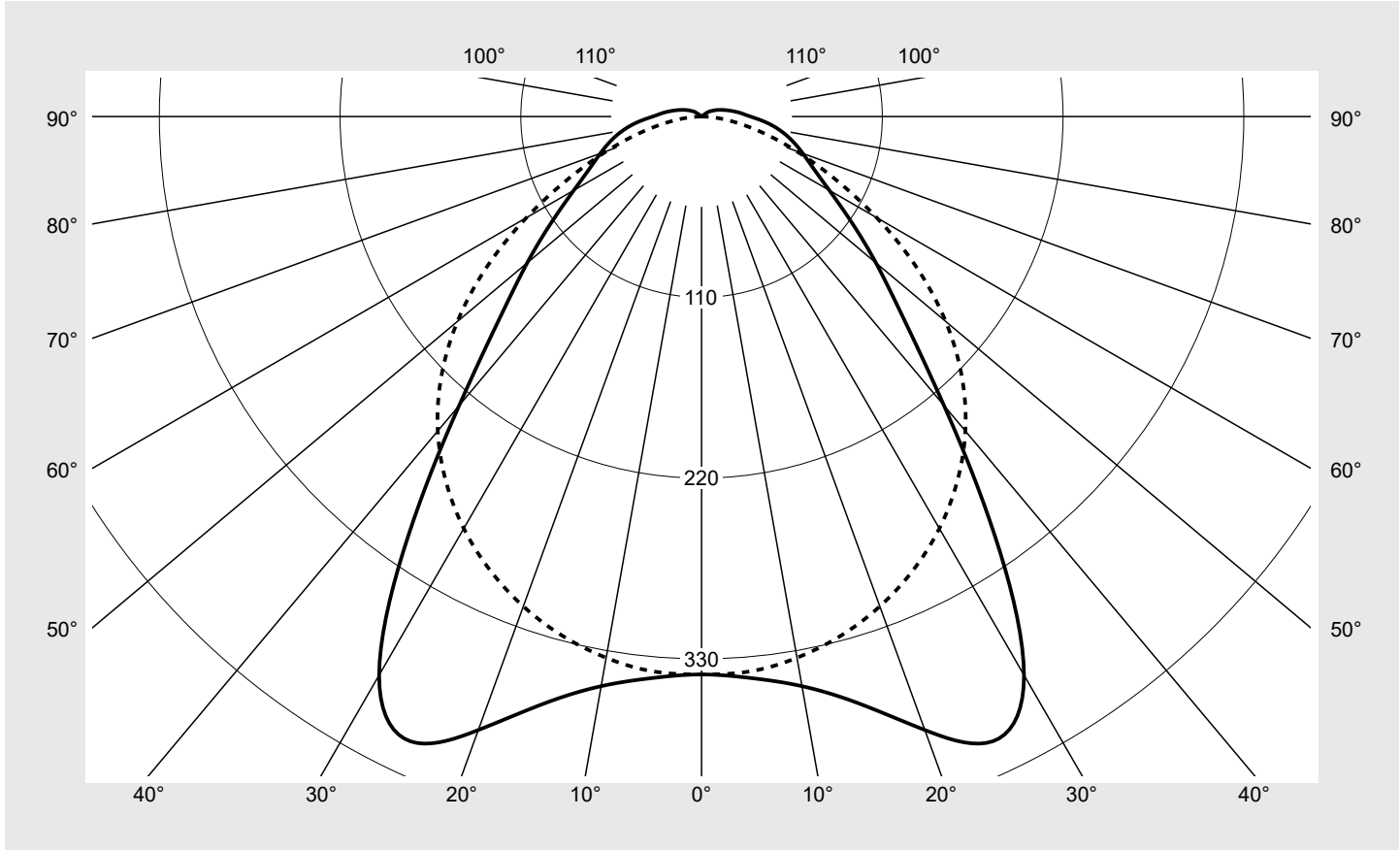


# Photometric test report

<b>Family</b> Licross® 11 Protected	<b>Order number: 51TD1BMN4FXM</b> <b>EAN: 4058352929001</b>	<b>LP number</b> 58521_174
<b>Version</b>	prismatic cover, frosted, wide 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 = 15020 lm Power consumption = 87.4 W Luminous efficacy = 171.9 lm/W	



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 419 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°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	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	22.6	24.2	22.9	24.5	24.8	24.4	26.1	24.8	26.4	26.7
	3H	23.8	25.2	24.1	25.6	25.9	25.4	26.9	25.8	27.2	27.6
	4H	24.5	25.9	24.9	26.2	26.6	25.8	27.2	26.2	27.5	27.9
	6H	25.2	26.5	25.6	26.9	27.3	26.1	27.3	26.5	27.7	28.1
	8H	25.6	26.8	26.1	27.2	27.6	26.2	27.3	26.6	27.7	28.1
	12H	26.0	27.2	26.5	27.6	28.0	26.2	27.3	26.6	27.7	28.1
4H	2H	23.4	24.8	23.8	25.1	25.5	24.9	26.3	25.3	26.6	27.0
	3H	24.8	26.0	25.2	26.3	26.8	26.1	27.3	26.6	27.7	28.1
	4H	25.6	26.7	26.0	27.1	27.5	26.6	27.7	27.1	28.1	28.5
	6H	26.5	27.5	27.0	27.9	28.3	27.0	27.9	27.5	28.4	28.8
	8H	27.0	27.8	27.5	28.3	28.8	27.1	28.0	27.6	28.4	28.9
	12H	27.5	28.2	28.0	28.7	29.2	27.2	28.0	27.7	28.4	28.9
8H	4H	26.0	26.9	26.5	27.3	27.8	26.9	27.8	27.4	28.2	28.7
	6H	27.1	27.8	27.6	28.3	28.8	27.5	28.2	27.9	28.6	29.1
	8H	27.7	28.3	28.2	28.8	29.3	27.7	28.3	28.2	28.8	29.3
	12H	28.3	28.9	28.9	29.4	29.9	27.8	28.4	28.3	28.9	29.4
12H	4H	26.1	26.8	26.6	27.3	27.8	27.0	27.7	27.5	28.2	28.7
	6H	27.2	27.9	27.7	28.3	28.9	27.6	28.2	28.1	28.7	29.2
	8H	27.9	28.4	28.4	28.9	29.5	27.8	28.4	28.4	28.9	29.4

<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°		27442.2	28838.3	32889.0	39078.5	43536.7	42313.9	41229.9	
50°		23396.1	24527.3	27846.6	33199.7	38117.3	39238.0	39248.4	
55°		20313.3	21318.7	24432.7	29023.2	33118.5	34814.1	36195.0	
60°		18127.0	18902.3	21549.7	25968.5	28995.9	30059.1	32024.2	
65°		17086.3	17611.3	19438.4	23314.0	25754.8	25721.6	27453.9	
70°		17104.5	17353.1	18195.2	21012.8	23060.6	21984.4	23337.5	
75°		17726.5	17783.4	17798.5	19297.3	20567.7	18705.2	19717.3	
80°		18702.2	18603.0	18175.1	18246.0	18440.8	16122.9	16440.7	
85°		20093.1	20003.6	19473.5	18707.7	17457.8	14397.1	13767.1	

**Photometric test report**

**Family**  
Licross® 11 Protected

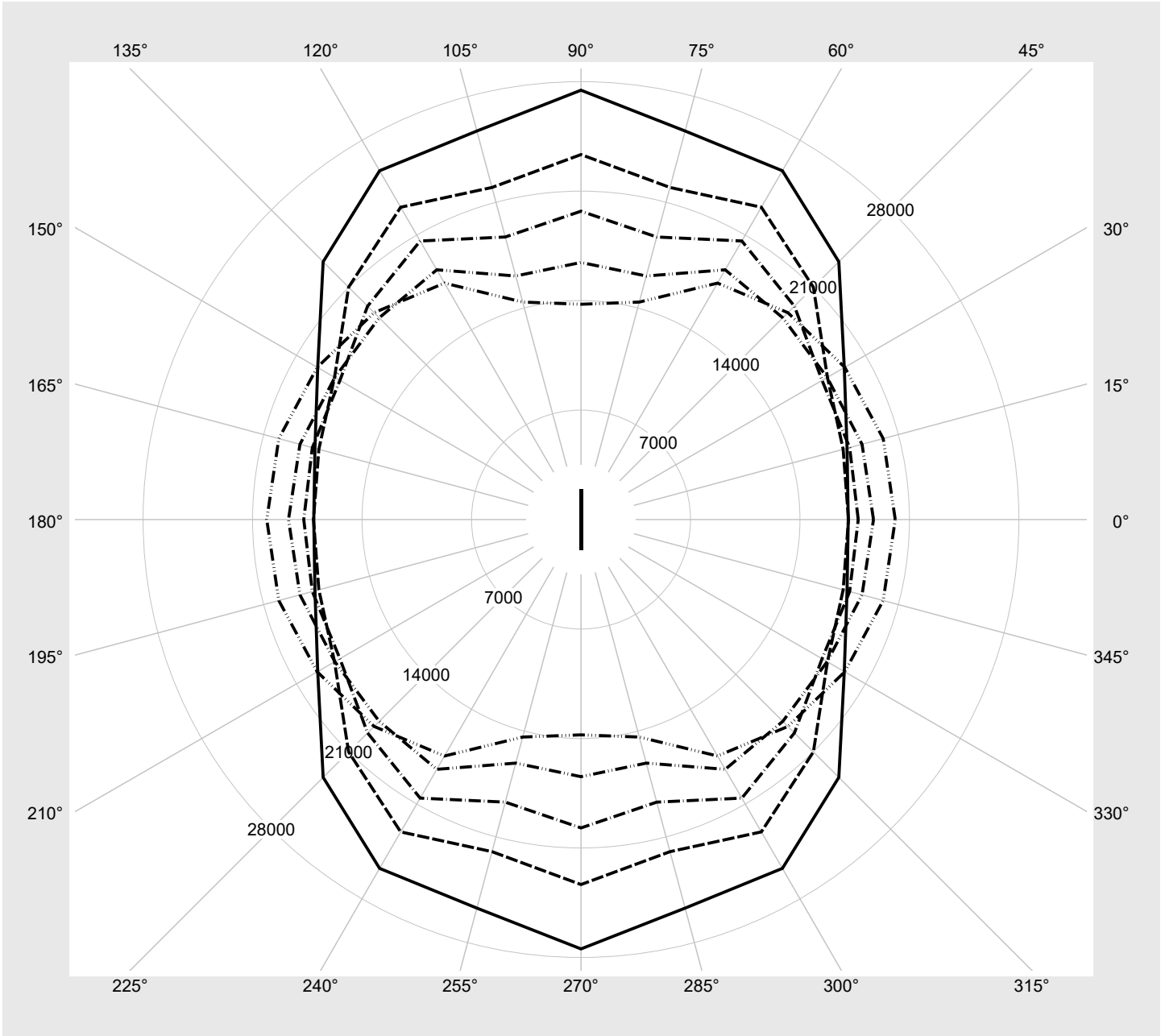
**Order number: 51TD1BMN4FXM**  
**EAN: 4058352929001**

**LP number**  
**58521\_174**

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




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



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<b>Multilumen Table</b>	environmental temperature: 25°C	
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15020	87.4
2	A	C	F	14285	82.6
3	A	D	E	13316	76.2
4	A	D	F	12346	70.1
5	B	C	E	11430	64.3
6	B	C	F	10429	58.3
7	B	D	E	9491	52.6
8	B	D	F	8543	47.0