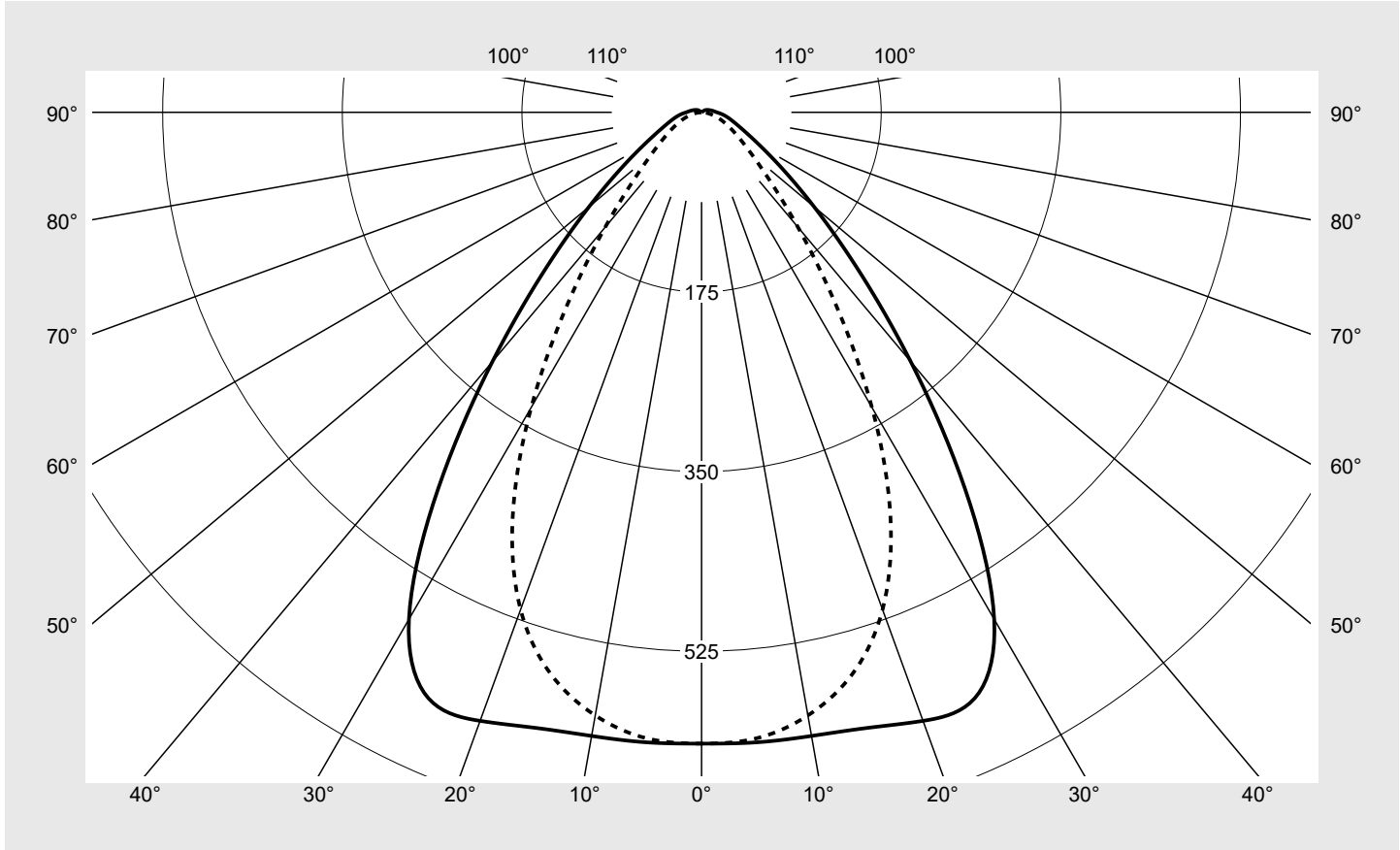


# Photometric test report

<b>Family</b> <b>Licross® 21 Protected</b>	<b>Order number: 52TD12CN675F</b> <b>EAN: 4058352506936</b>	<b>LP number</b> <b>58524_192</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 6500 K   CRI ≥ 80 <b>Controlgear</b> ECG-Multilumen CLOi <b>Rated values</b> Net luminous flux = 7960 lm Power consumption = 48.5 W Luminous efficacy = 164.1 lm/W	<b>serial documentation</b> <b>25.11.2021</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 631 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=73 N2=92 N3=98 N4=99 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	98.6%
$\phi_o$	1.4%

**Measurement conditions**  
DIN EN 13032 and DIN 5032

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<b>Family</b> Licross® 21 Protected	<b>Order number: 52TD12CN675F</b> <b>EAN: 4058352506936</b>	<b>LP number</b> 58524_192
<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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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

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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	20.5	21.9	20.8	22.2	22.5	17.2	18.6	17.6	19.0	19.3
	3H	20.9	22.2	21.3	22.5	22.8	17.6	18.8	17.9	19.2	19.5
	4H	21.1	22.3	21.5	22.6	23.0	17.7	18.9	18.1	19.3	19.6
	6H	21.4	22.5	21.8	22.8	23.2	17.8	19.0	18.3	19.3	19.7
	8H	21.7	22.6	22.1	23.0	23.4	17.9	18.9	18.4	19.3	19.7
	12H	21.8	22.7	22.3	23.1	23.5	18.0	18.9	18.4	19.3	19.7
4H	2H	20.5	21.7	20.9	22.1	22.5	17.8	18.9	18.1	19.3	19.6
	3H	21.1	22.1	21.5	22.5	22.9	18.2	19.2	18.7	19.6	20.0
	4H	21.4	22.3	21.9	22.7	23.1	18.4	19.3	18.9	19.7	20.2
	6H	21.8	22.6	22.3	23.0	23.5	18.6	19.4	19.1	19.8	20.3
	8H	22.1	22.7	22.5	23.2	23.7	18.7	19.4	19.2	19.9	20.3
	12H	22.4	22.9	22.8	23.4	23.9	18.8	19.4	19.3	19.8	20.3
8H	4H	21.4	22.1	21.9	22.6	23.1	18.7	19.3	19.1	19.8	20.3
	6H	21.9	22.5	22.4	23.0	23.5	19.0	19.5	19.5	20.0	20.5
	8H	22.2	22.7	22.7	23.2	23.8	19.1	19.6	19.6	20.1	20.6
	12H	22.6	23.0	23.2	23.5	24.1	19.2	19.6	19.7	20.1	20.6
12H	4H	21.4	22.0	21.9	22.5	23.0	18.7	19.3	19.2	19.8	20.3
	6H	21.9	22.4	22.5	22.9	23.4	19.1	19.5	19.6	20.0	20.5
	8H	22.3	22.7	22.8	23.2	23.7	19.2	19.6	19.7	20.1	20.7

<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°		17881.5	19004.4	20800.5	18727.3	13293.0	9873.5	9169.9	
50°		12803.5	13681.3	15280.0	13623.8	9534.3	7220.9	6871.8	
55°		9376.2	9976.2	11150.1	9785.3	6962.1	5624.0	5566.9	
60°		7174.4	7504.8	8188.7	7258.8	5393.3	4624.4	4752.4	
65°		5894.7	6007.9	6223.9	5568.5	4425.6	3978.9	4193.0	
70°		5242.0	5177.2	4972.7	4481.6	3815.2	3520.7	3782.3	
75°		5011.3	4780.4	4252.1	3778.2	3368.7	3122.4	3396.0	
80°		5066.0	4715.6	3956.9	3357.1	3031.1	2800.8	3019.1	
85°		5356.1	4949.3	4013.7	3291.6	2896.0	2559.9	2726.3	

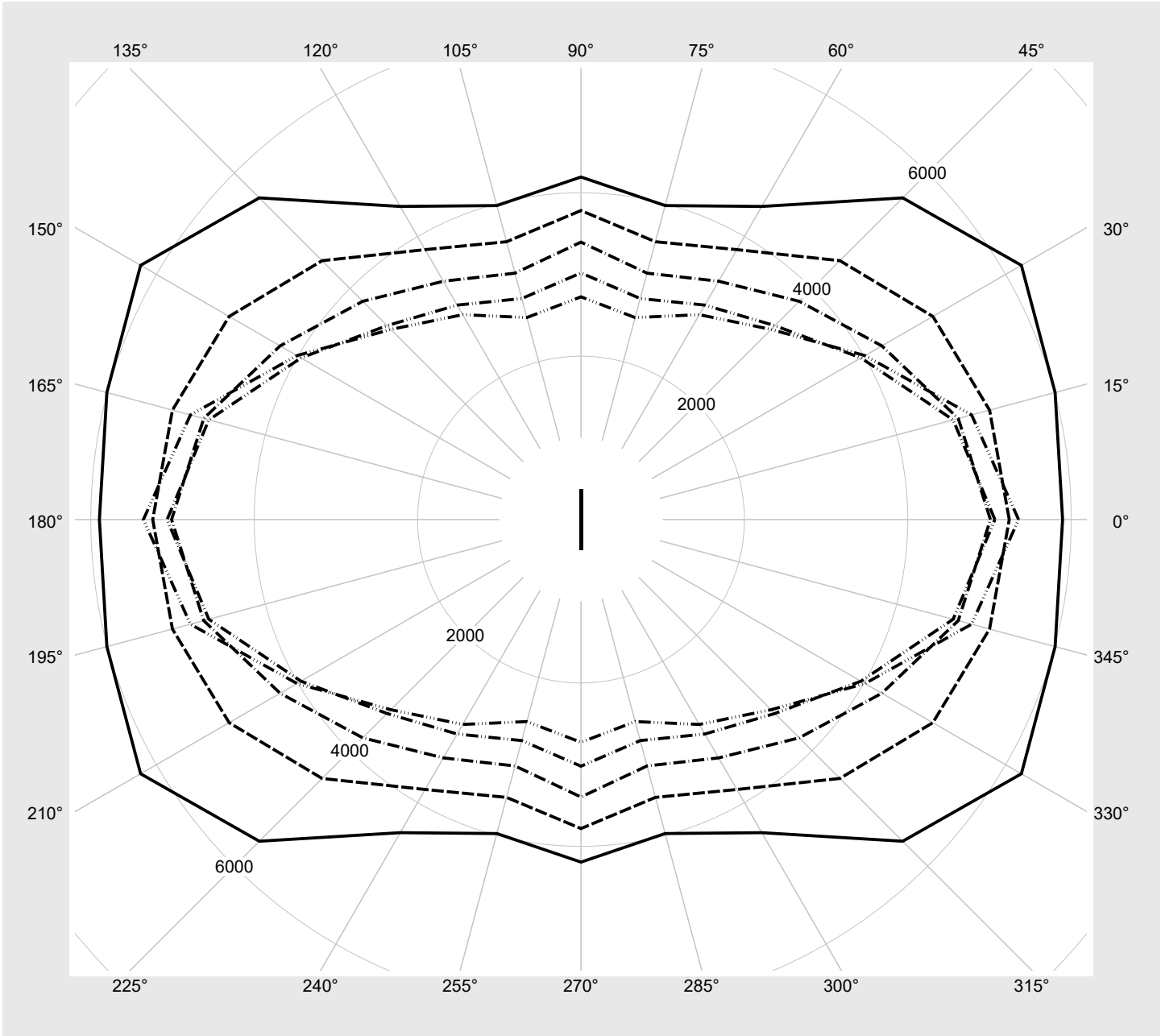
**Photometric test report**

<b>Family</b> <b>Licross® 21 Protected</b>	<b>Order number: 52TD12CN675F</b> <b>EAN: 4058352506936</b>	<b>LP number</b> <b>58524_192</b>
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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

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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]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	7960	48.5	55.0	51.8
2	A	C	F	7150	42.7	48.5	45.6
3	A	D	E	6650	39.5	44.4	42.0
4	A	D	F	6190	36.5	41.2	38.8
5	B	C	E	5740	33.6	37.7	35.7
6	B	C	F	5270	30.7	34.5	32.6
7	B	D	E	4800	27.8	31.2	29.5
8	B	D	F	4330	25.1	27.8	26.4