



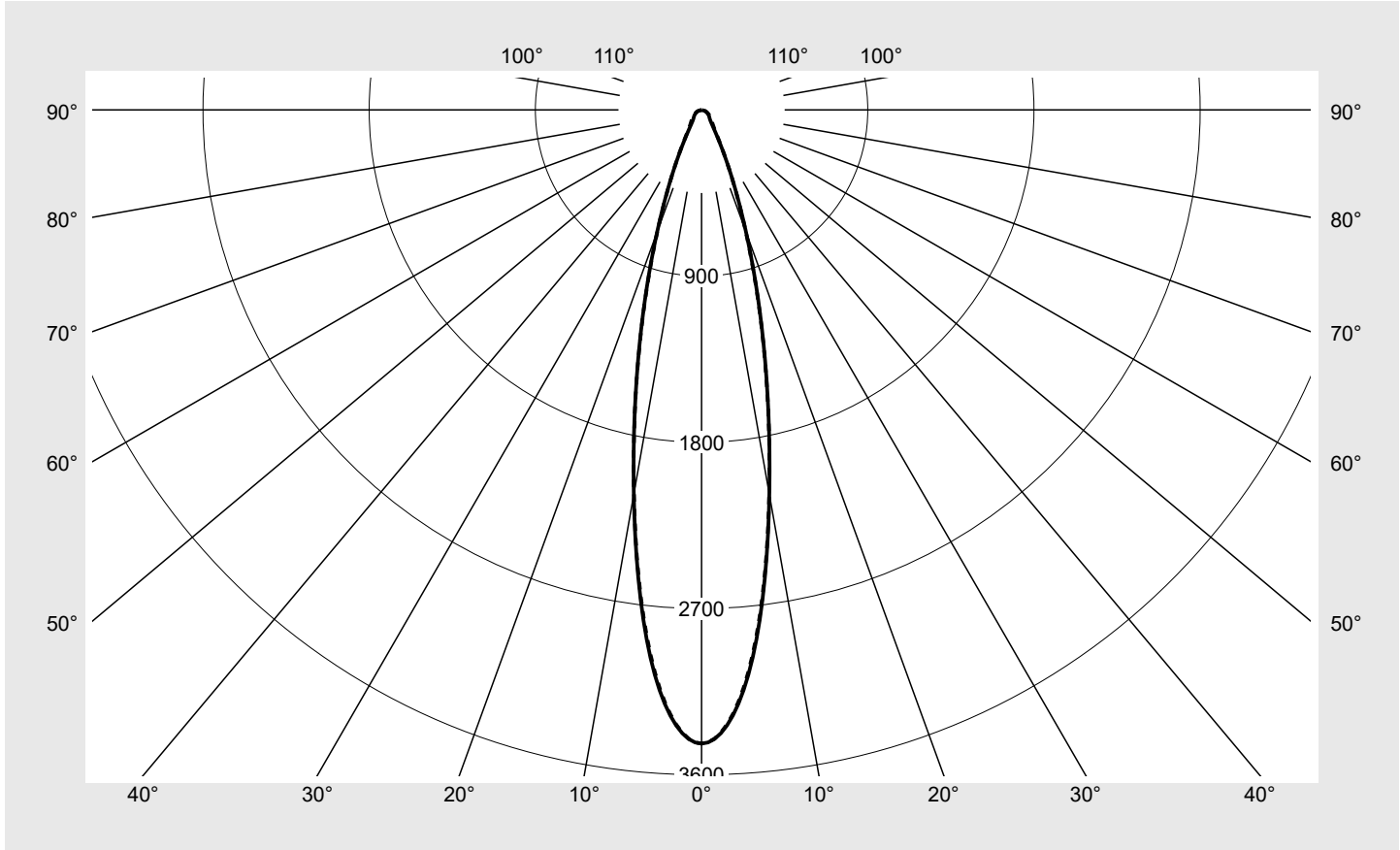
# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL11MN4FXS</b> <b>EAN: 4058352890660</b>	<b>LP number</b> <b>58784_291</b>
	<b>Version</b> cover frosted, narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG Multilumen <b>Rated values</b> Net luminous flux = 15070 lm Power consumption = 83.1 W Luminous efficacy = 181.4 lm/W	<b>serial documentation</b> <b>24.08.2023</b>





**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 3431 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=87 N2=95 N3=99 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

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

## Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL11MN4FXS</b> <b>EAN: 4058352890660</b>	<b>LP number</b> <b>58784_291</b>
--	--	--------------------------------------

**sitEco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</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°	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	3431.3	20.5	20.5
5°	3030.0	3009.9	2995.2	3008.4	3015.8	3015.7	3017.5	143.9	164.4
10°	2113.5	2098.5	2092.1	2104.8	2111.9	2109.7	2109.2	200.3	364.7
15°	1287.2	1281.7	1283.9	1294.7	1294.7	1286.2	1283.2	182.7	547.4
20°	703.4	705.4	717.6	726.5	719.3	702.5	697.3	133.5	680.9
25°	354.0	358.8	370.9	376.0	367.5	355.6	354.0	84.3	765.2
30°	176.2	179.2	185.6	185.7	179.6	178.8	183.6	49.7	814.9
35°	102.4	102.6	103.9	102.5	99.6	107.7	116.7	32.8	847.7
40°	73.1	72.4	71.7	70.6	70.7	80.9	90.2	26.3	874.0
45°	60.7	58.7	57.0	56.9	57.9	66.7	75.5	23.6	897.6
50°	52.7	51.5	51.2	50.6	50.0	56.0	63.2	22.2	919.8
55°	44.8	43.4	45.4	45.0	43.0	46.3	51.7	20.3	940.1
60°	37.3	36.1	38.2	39.8	37.2	38.0	41.8	18.1	958.2
65°	29.8	28.9	31.0	34.0	31.7	30.7	33.0	15.5	973.8
70°	21.9	21.7	22.9	26.9	25.3	23.3	24.3	12.3	986.1
75°	12.2	12.7	14.5	18.5	17.7	15.7	16.0	8.2	994.3
80°	5.5	5.6	6.4	9.0	10.0	8.8	8.6	4.2	998.5
85°	2.2	2.1	2.4	3.2	3.5	3.4	3.0	1.6	1000.0
90°	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

Family <b>Licross® 21 Recessed</b>	Order number: <b>52TL11MN4FXS</b> EAN: <b>4058352890660</b>	LP number <b>58784_291</b>
---------------------------------------	--	-------------------------------

<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	17.4	18.6	17.8	18.9	19.2	17.8	18.9	18.2	19.2	19.6
	3H	18.8	19.8	19.2	20.1	20.5	19.2	20.2	19.6	20.5	20.9
	4H	19.1	20.1	19.5	20.4	20.8	19.7	20.6	20.1	21.0	21.4
	6H	19.3	20.1	19.7	20.5	20.9	20.1	20.9	20.5	21.3	21.7
	8H	19.4	20.1	19.8	20.5	20.9	20.2	20.9	20.7	21.3	21.7
	12H	19.4	20.1	19.8	20.5	20.9	20.2	20.9	20.7	21.3	21.7
4H	2H	18.2	19.1	18.6	19.4	19.8	18.5	19.4	18.9	19.7	20.1
	3H	19.6	20.4	20.1	20.8	21.2	20.1	20.8	20.5	21.2	21.6
	4H	20.1	20.8	20.5	21.2	21.6	20.7	21.4	21.1	21.8	22.2
	6H	20.3	20.9	20.7	21.3	21.8	21.1	21.7	21.5	22.1	22.6
	8H	20.3	20.8	20.8	21.3	21.8	21.2	21.7	21.7	22.2	22.7
	12H	20.3	20.8	20.8	21.2	21.7	21.3	21.7	21.8	22.2	22.7
8H	4H	20.4	20.9	20.9	21.4	21.9	21.0	21.5	21.4	21.9	22.4
	6H	20.7	21.1	21.2	21.6	22.1	21.5	21.9	22.0	22.4	22.9
	8H	20.7	21.1	21.2	21.6	22.1	21.6	22.0	22.1	22.5	23.0
	12H	20.7	21.0	21.2	21.5	22.1	21.7	22.0	22.2	22.5	23.1
12H	4H	20.4	20.9	20.9	21.3	21.8	20.9	21.4	21.4	21.8	22.3
	6H	20.7	21.1	21.2	21.6	22.1	21.5	21.8	22.0	22.3	22.9
	8H	20.8	21.1	21.3	21.6	22.1	21.7	22.0	22.2	22.5	23.0

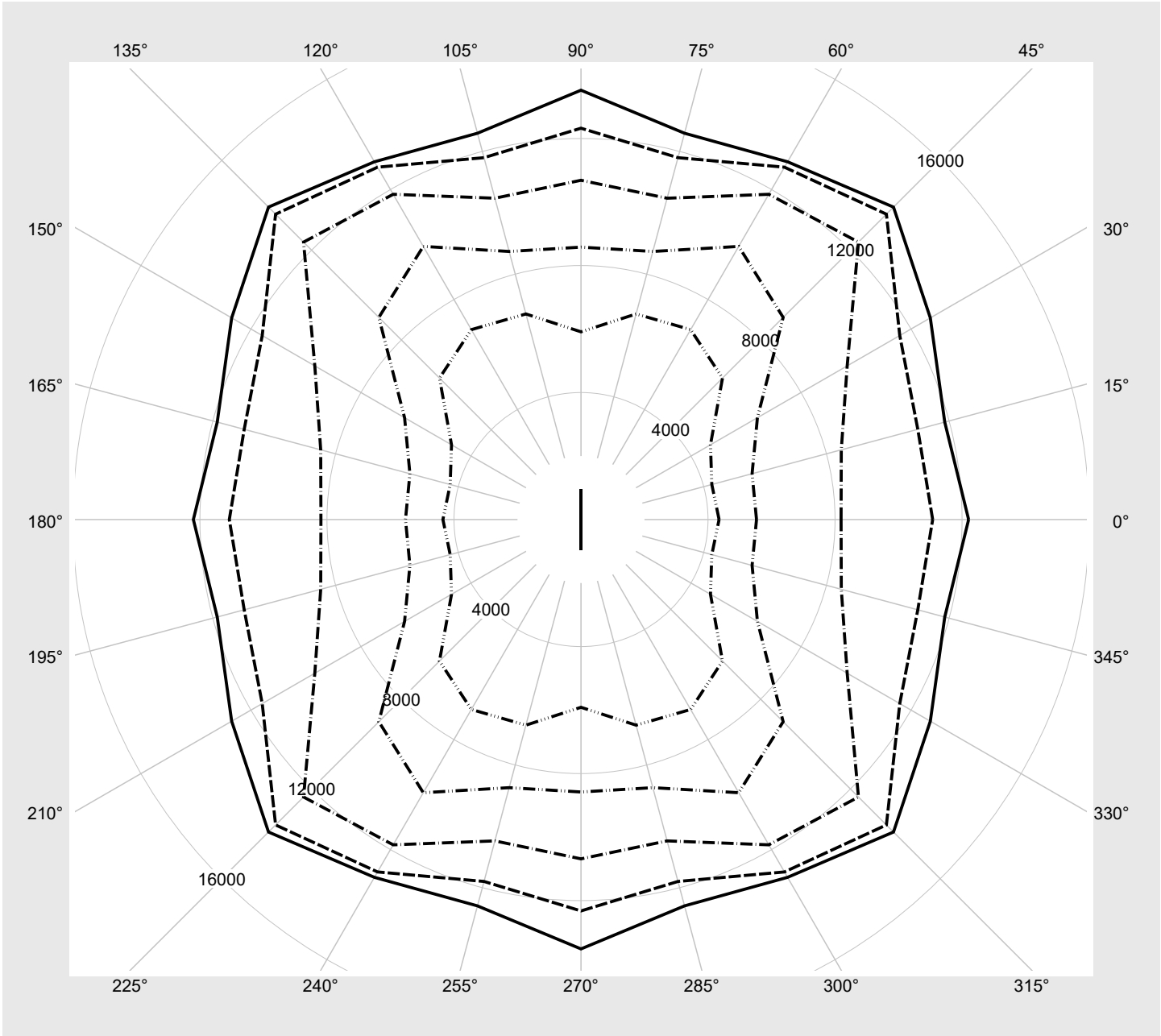
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1500</b> <b>B = 58</b>
------------------------	---	--------------------------------------	----------------------------------

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°	45°	14873.2	14385.2	13971.5	13934.3	14182.4	16333.2	18504.6	
50°	50°	14214.0	13885.5	13809.8	13643.0	13465.4	15094.4	17034.9	
55°	55°	13542.8	13119.1	13719.1	13595.9	12992.5	13994.5	15606.9	
60°	60°	12921.1	12499.1	13222.1	13781.9	12899.2	13164.9	14494.6	
65°	65°	12207.1	11859.2	12702.7	13917.1	13010.9	12596.1	13522.0	
70°	70°	11075.2	10980.5	11591.8	13601.4	12814.4	11799.4	12325.6	
75°	75°	8190.5	8486.3	9679.6	12357.3	11828.6	10477.3	10685.5	
80°	80°	5527.3	5578.2	6415.1	9003.7	9933.4	8741.3	8579.7	
85°	85°	4348.6	4265.1	4708.3	6302.2	6906.4	6703.7	5912.7	

**Photometric test report**

<b>Family</b> Licross® 21 Recessed	<b>Order number: 52TL11MN4FXS</b> <b>EAN: 4058352890660</b>	<b>LP number</b> <b>58784_291</b>
---------------------------------------	--	--------------------------------------

**Luminance values in cd/m<sup>2</sup>**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



## Photometric test report

Family  
Licross® 21 Recessed

Order number: 52TL11MN4FXS  
EAN: 4058352890660

LP number  
58784\_291

### Multilumen Table

environmental temperature: 25°C

siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	15070	83.1
2	A	C	F	14146	77.5
3	A	D	E	13075	71.1
4	A	D	F	12130	65.4
5	B	C	E	11100	59.4
6	B	C	F	10124	53.9
7	B	D	E	9063	47.9
8	B	D	F	8055	42.4