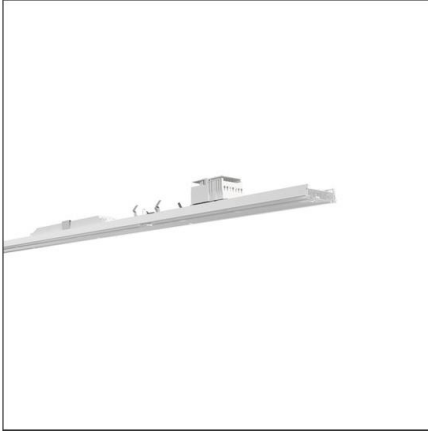


## Photometric test report

**Family**  
**Licross® 21 Recessed**

**Order number: 52TL12DNE75F**  
**EAN: 4058352454015**

**LP number**  
**59101\_5**



**Version** cover frosted, wide distribution, high visual comfort  
**Lamps** LED 5000 K | CRI ≥ 90  
**Controlgear** ECG-DALI  
**Rated values** Net luminous flux = 7970 lm  
 Power consumption = 61.1 W  
 Luminous efficacy = 130.4 lm/W

**serial**  
**documentation**  
**07.12.2020**

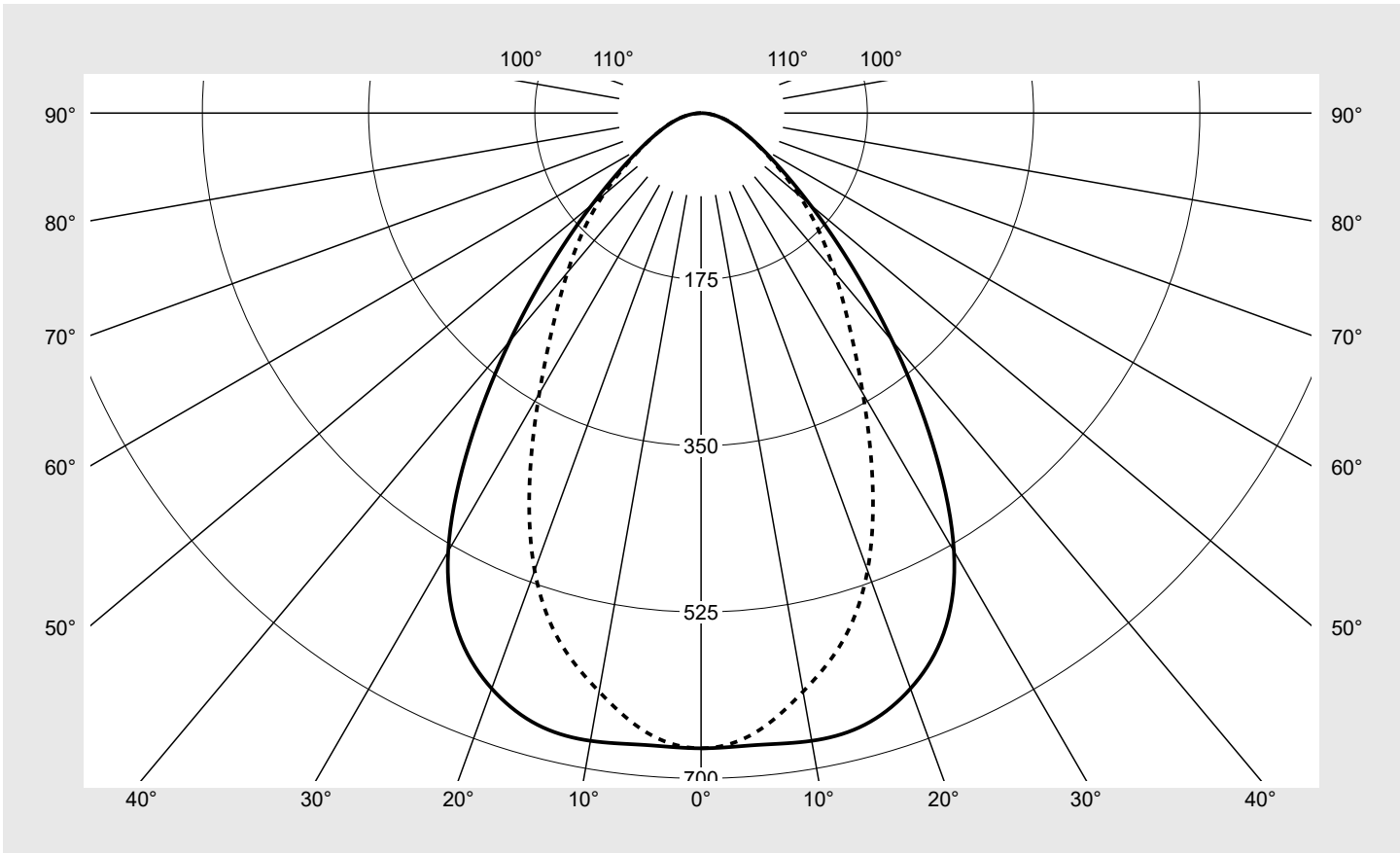
**sitEco**

**Luminous intensity in cd/klm**

**C180-0**

**C270-90**

**Imax: 671 cd/klm**



### Classifications

DIN 5040 A 6 0  
 CIE N1=72 N2=92 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: 52TL12DNE75F</b> <b>EAN: 4058352454015</b>	<b>LP number</b> <b>59101_5</b>
<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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

## Photometric test report

<b>Family</b> Licross® 21 Recessed	<b>Order number: 52TL12DNE75F</b> <b>EAN: 4058352454015</b>	<b>LP number</b> 59101_5
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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	21.0	22.4	21.3	22.7	23.0	20.9	22.3	21.3	22.6	23.0
	3H	21.5	22.8	21.9	23.1	23.5	21.7	22.9	22.1	23.3	23.6
	4H	21.8	23.0	22.2	23.4	23.7	22.0	23.2	22.4	23.5	23.9
	6H	22.1	23.1	22.5	23.5	23.9	22.3	23.4	22.7	23.7	24.1
	8H	22.3	23.2	22.7	23.6	24.0	22.4	23.4	22.8	23.8	24.2
	12H	22.3	23.2	22.8	23.6	24.0	22.5	23.4	22.9	23.8	24.2
4H	2H	21.1	22.3	21.5	22.7	23.0	21.1	22.3	21.5	22.6	23.0
	3H	21.8	22.8	22.2	23.2	23.6	22.1	23.0	22.5	23.4	23.8
	4H	22.1	23.0	22.6	23.4	23.9	22.5	23.4	22.9	23.8	24.2
	6H	22.5	23.2	22.9	23.6	24.1	22.8	23.6	23.3	24.0	24.5
	8H	22.6	23.3	23.1	23.7	24.2	23.0	23.7	23.5	24.1	24.6
	12H	22.7	23.3	23.2	23.8	24.3	23.1	23.7	23.6	24.1	24.6
8H	4H	22.2	22.9	22.7	23.3	23.8	22.6	23.2	23.0	23.7	24.2
	6H	22.6	23.1	23.1	23.6	24.1	23.0	23.5	23.5	24.0	24.5
	8H	22.7	23.2	23.2	23.7	24.2	23.1	23.6	23.6	24.1	24.6
	12H	22.9	23.3	23.4	23.8	24.3	23.3	23.7	23.8	24.2	24.7
12H	4H	22.2	22.8	22.7	23.3	23.8	22.6	23.1	23.1	23.6	24.1
	6H	22.6	23.1	23.1	23.5	24.1	23.0	23.5	23.5	23.9	24.5
	8H	22.8	23.2	23.3	23.7	24.2	23.2	23.6	23.7	24.1	24.6

<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>
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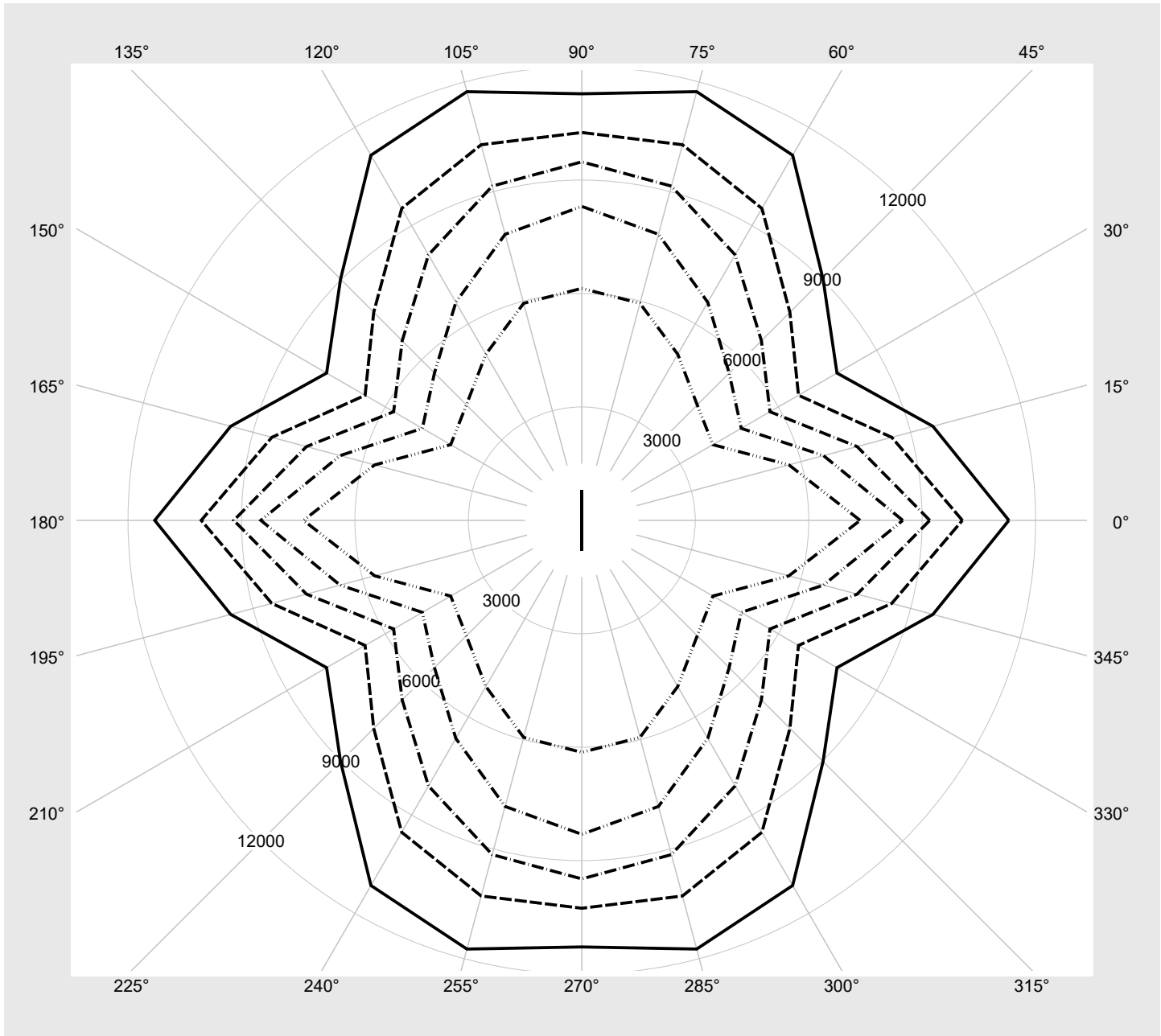
C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		28401.0	25956.1	22759.3	22171.4	23553.0	23928.8	22740.1	
50°		21332.9	18894.1	16049.2	16575.8	18954.3	20753.3	19219.3	
55°		16397.4	14234.8	11933.6	13020.5	15664.8	17241.0	15660.8	
60°		13261.7	11383.9	9400.6	10689.7	13149.0	14018.2	13004.7	
65°		11293.9	9612.5	7792.3	9022.7	11152.0	11739.0	11283.1	
70°		10064.4	8486.2	6616.9	7782.0	9526.3	10285.6	10259.6	
75°		9202.4	7538.1	5745.7	6717.3	8109.4	9153.2	9483.0	
80°		8487.9	6617.1	4868.3	5510.3	6661.5	7833.7	8304.8	
85°		7360.8	5669.6	4003.6	4316.9	5074.7	5942.9	6136.3	

# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL12DNE75F</b> <b>EAN: 4058352454015</b>	<b>LP number</b> <b>59101_5</b>
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**Luminance values in cd/m<sup>2</sup>**

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



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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7970	61.1
95	240	252	7584	57.6
90	225	250	7163	53.9
85	211	247	6762	50.4
80	198	245	6384	47.2
75	184	242	5970	43.8
70	171	240	5578	40.7
65	158	237	5184	37.5
60	145	233	4781	34.4
55	132	230	4374	31.5
50	120	227	3994	28.6
45	107	222	3578	25.6
40	95	218	3189	22.9
35	83	213	2797	20.2
30	71	207	2399	17.5
25	59	201	1998	14.8
20	47	192	1596	12.1
15	35	181	1186	9.4
10	24	168	808	7.0
5	12	142	392	4.4
1	4	102	113	2.6