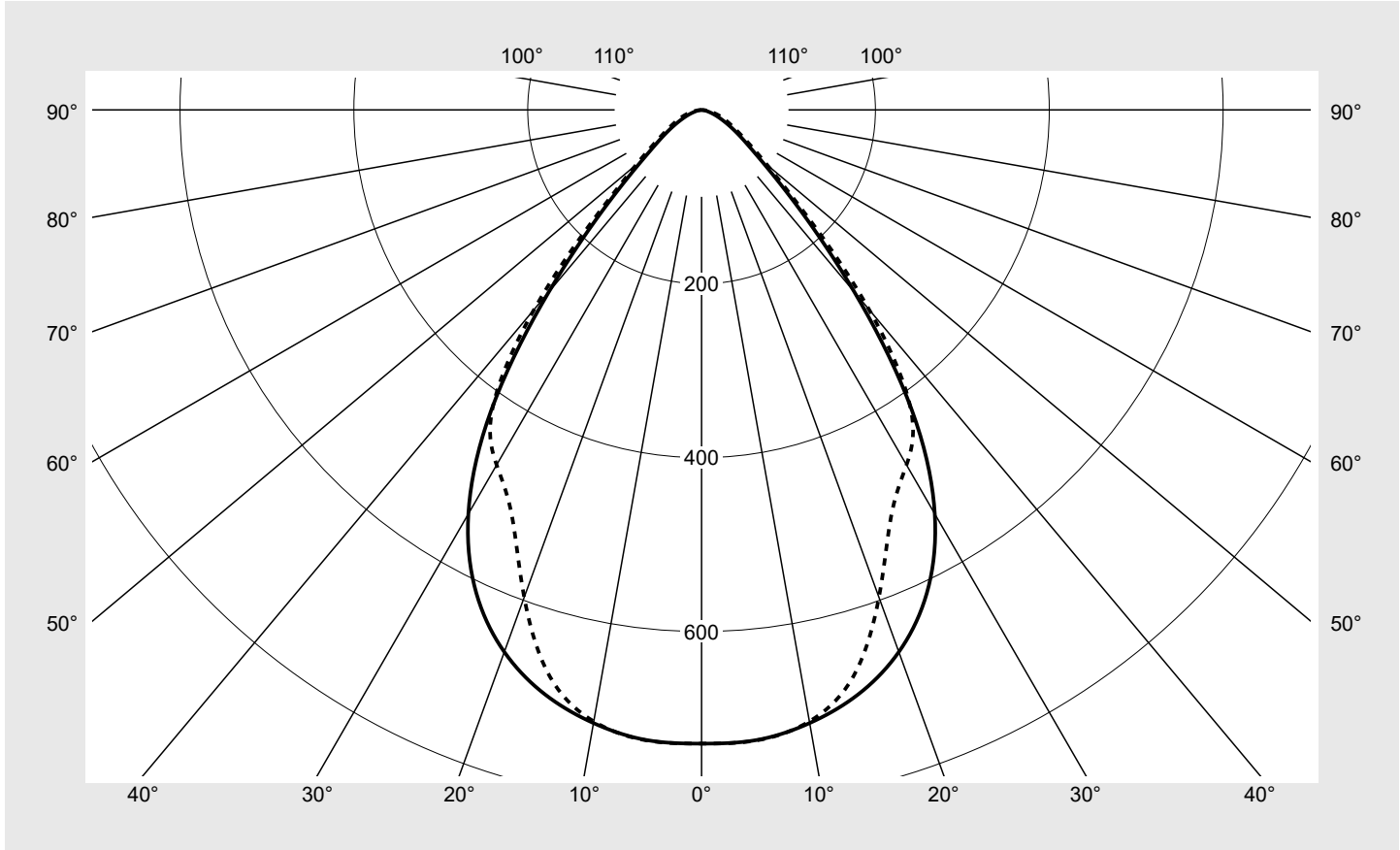


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL18DNE75F</b> <b>EAN: 4058352454336</b>	<b>LP number</b> <b>59103_8</b>
	<b>Version</b> cover frosted, medium distribution, high visual comfort <b>Lamps</b> LED 5000 K   CRI ≥ 90 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 7740 lm Power consumption = 61.1 W Luminous efficacy = 126.7 lm/W	<b>serial documentation</b> <b>07.12.2020</b>  

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 729 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=79 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

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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°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	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

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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	19.3	20.7	19.7	21.0	21.3	20.0	21.3	20.3	21.7	22.0
	3H	19.5	20.7	19.9	21.0	21.4	20.4	21.6	20.8	21.9	22.3
	4H	19.5	20.6	19.9	21.0	21.4	20.5	21.6	20.9	22.0	22.4
	6H	19.5	20.5	19.9	20.9	21.3	20.7	21.7	21.1	22.0	22.4
	8H	19.6	20.5	20.0	20.8	21.3	20.8	21.6	21.2	22.0	22.4
	12H	19.6	20.4	20.0	20.8	21.2	20.8	21.6	21.2	22.0	22.4
4H	2H	19.5	20.6	19.9	21.0	21.3	20.1	21.2	20.5	21.5	21.9
	3H	19.7	20.7	20.2	21.0	21.5	20.6	21.5	21.0	21.9	22.3
	4H	19.8	20.6	20.2	21.0	21.5	20.9	21.7	21.3	22.1	22.5
	6H	19.8	20.5	20.3	20.9	21.4	21.1	21.8	21.5	22.2	22.7
	8H	19.8	20.4	20.3	20.9	21.4	21.1	21.8	21.6	22.2	22.7
	12H	19.8	20.4	20.3	20.8	21.3	21.2	21.7	21.7	22.2	22.7
8H	4H	19.9	20.5	20.3	20.9	21.4	20.9	21.5	21.4	22.0	22.5
	6H	19.9	20.4	20.4	20.9	21.4	21.2	21.7	21.7	22.1	22.7
	8H	19.9	20.4	20.4	20.8	21.4	21.2	21.7	21.7	22.2	22.7
	12H	19.9	20.3	20.5	20.8	21.3	21.3	21.7	21.8	22.2	22.7
12H	4H	19.9	20.4	20.4	20.9	21.4	20.9	21.4	21.4	21.9	22.4
	6H	19.9	20.3	20.4	20.8	21.4	21.2	21.6	21.7	22.1	22.6
	8H	19.9	20.3	20.5	20.8	21.4	21.3	21.6	21.8	22.1	22.7

<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°	45°	19299.7	18617.3	16630.5	18413.2	20709.2	21123.8	21092.0	
50°	50°	12060.8	11902.9	12236.2	13204.5	14604.2	14113.0	13611.4	
55°	55°	8759.2	8558.6	9022.6	10740.5	11585.8	10630.5	10017.1	
60°	60°	6719.7	6647.7	7040.0	8221.5	9317.5	8451.5	8126.8	
65°	65°	5164.9	5228.9	5810.5	6829.6	7747.4	7160.5	7075.0	
70°	70°	3968.9	4074.5	4681.1	5920.5	6705.1	6375.5	6382.0	
75°	75°	2910.1	2997.0	3537.4	4922.6	5872.0	5680.6	5628.3	
80°	80°	2311.6	2376.2	2701.0	3765.6	4895.8	4856.9	4597.2	
85°	85°	2380.4	2354.9	2483.5	3233.8	3855.4	3855.4	3260.3	

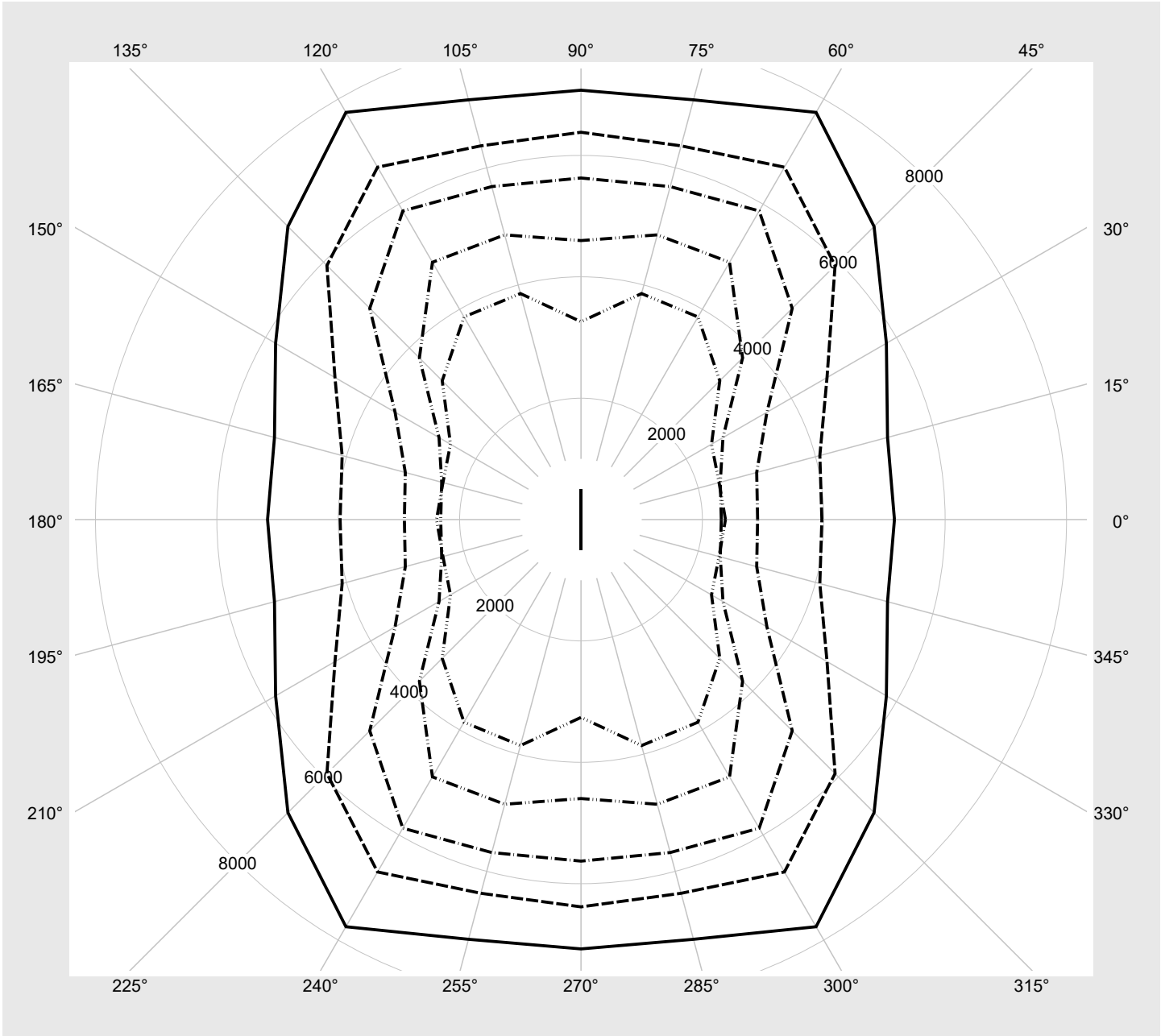
**Photometric test report**

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL18DNE75F</b> <b>EAN: 4058352454336</b>	<b>LP number</b> <b>59103_8</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>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	7740	61.1
95	240	252	7365	57.6
90	225	250	6956	53.8
85	211	247	6567	50.4
80	198	245	6200	47.2
75	184	242	5798	43.8
70	171	240	5417	40.7
65	158	237	5034	37.5
60	145	233	4643	34.4
55	132	230	4247	31.5
50	120	227	3878	28.6
45	107	222	3474	25.6
40	95	218	3097	22.9
35	83	213	2716	20.2
30	71	207	2330	17.5
25	59	201	1941	14.8
20	47	192	1549	12.1
15	35	181	1152	9.4
10	24	168	785	6.9
5	12	142	381	4.4
1	4	102	110	2.6