
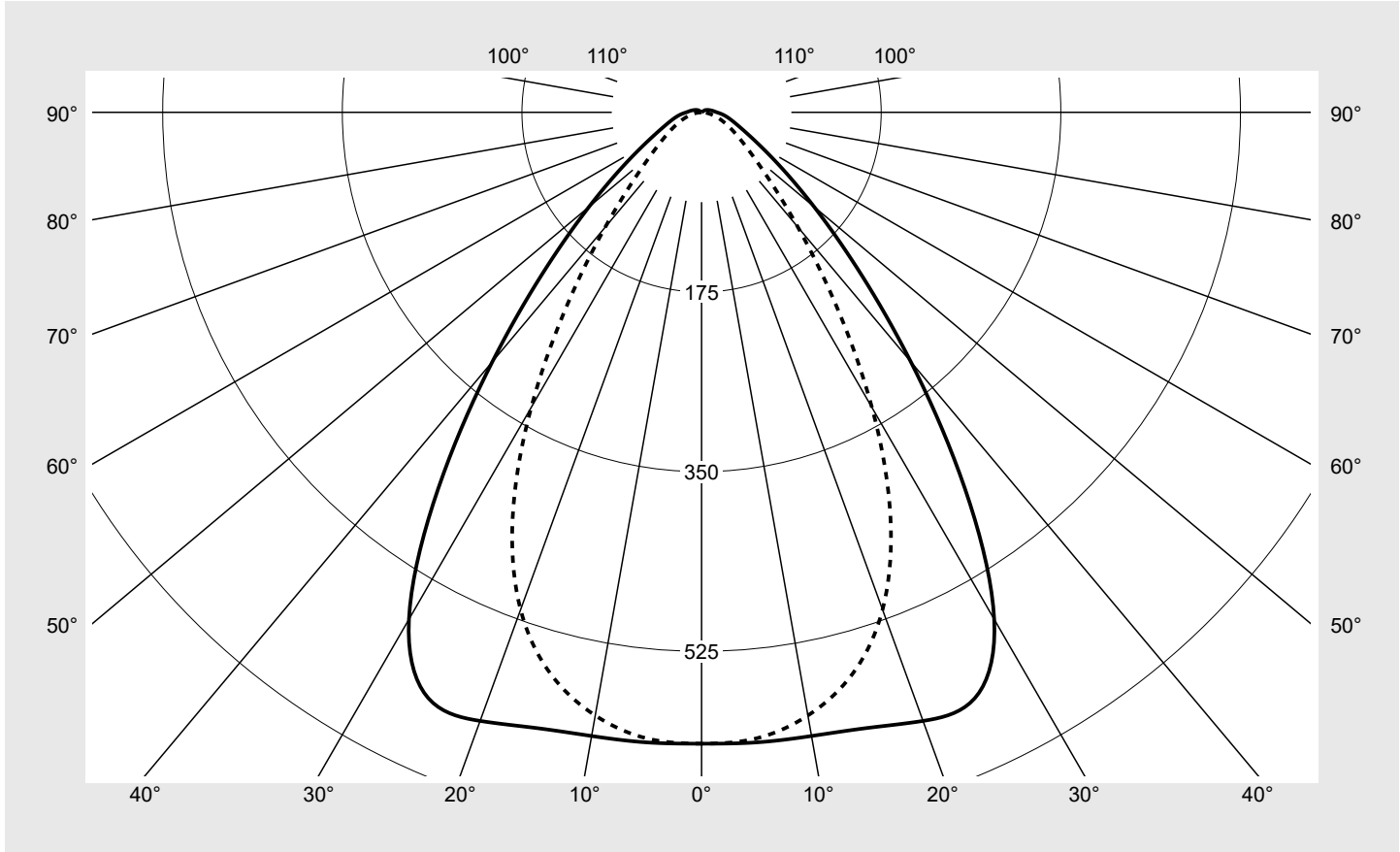


# Photometric test report

<b>Family</b> <b>Licross® 21 Protected</b>	<b>Order number: 52TD12DNE75F</b> <b>EAN: 4058352455036</b>	<b>LP number</b> <b>58524_53</b>
	<b>Version</b> prismatic cover, frosted, wide distribution <b>Lamps</b> LED 5000 K   CRI ≥ 90 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 7720 lm Power consumption = 61.0 W Luminous efficacy = 126.6 lm/W	<b>serial</b> <b>documentation</b> <b>08.12.2020</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

## Photometric test report

<b>Family</b> <b>Licross® 21 Protected</b>	<b>Order number: 52TD12DNE75F</b> <b>EAN: 4058352455036</b>	<b>LP number</b> <b>58524_53</b>
<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

Family <b>Licross® 21 Protected</b>	Order number: <b>52TD12DNE75F</b> EAN: <b>4058352455036</b>	LP number <b>58524_53</b>
--	--	------------------------------

UGR-Table		Standard room									
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	20.4	21.8	20.7	22.1	22.4	17.1	18.5	17.5	18.9	19.2
	3H	20.8	22.0	21.2	22.4	22.7	17.5	18.7	17.8	19.1	19.4
	4H	21.0	22.2	21.4	22.5	22.9	17.6	18.8	18.0	19.2	19.5
	6H	21.3	22.4	21.7	22.7	23.1	17.7	18.8	18.2	19.2	19.6
	8H	21.6	22.5	22.0	22.8	23.3	17.8	18.8	18.3	19.2	19.6
	12H	21.7	22.6	22.2	23.0	23.4	17.9	18.8	18.3	19.2	19.6
4H	2H	20.4	21.6	20.8	22.0	22.3	17.6	18.8	18.0	19.2	19.5
	3H	21.0	22.0	21.4	22.4	22.8	18.1	19.1	18.5	19.5	19.9
	4H	21.3	22.2	21.8	22.6	23.0	18.3	19.2	18.8	19.6	20.1
	6H	21.7	22.5	22.2	22.9	23.4	18.5	19.3	19.0	19.7	20.2
	8H	22.0	22.6	22.4	23.1	23.6	18.6	19.3	19.1	19.7	20.2
	12H	22.3	22.8	22.7	23.3	23.8	18.7	19.3	19.2	19.7	20.2
8H	4H	21.3	22.0	21.8	22.5	22.9	18.6	19.2	19.0	19.7	20.2
	6H	21.8	22.4	22.3	22.9	23.4	18.9	19.4	19.3	19.9	20.4
	8H	22.1	22.6	22.6	23.1	23.6	19.0	19.5	19.5	20.0	20.5
	12H	22.5	22.9	23.1	23.4	24.0	19.1	19.5	19.6	20.0	20.5
12H	4H	21.3	21.9	21.8	22.4	22.9	18.6	19.2	19.1	19.7	20.2
	6H	21.8	22.3	22.3	22.8	23.3	19.0	19.4	19.5	19.9	20.4
	8H	22.2	22.6	22.7	23.1	23.6	19.1	19.5	19.6	20.0	20.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1480	H(C0) = 13	H(C180) = 13
						B = 78	H(C90) = 0	H(C270) = 0
C-planes	$\gamma$	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	90°
		195°	210°	225°	240°	255°	270°	285°
		345°	330°	315°	300°	285°	270°	255°
		Luminance in cd/m <sup>2</sup>						
45°		17342.3	18431.4	20173.4	18162.7	12892.2	9575.8	8893.4
50°		12417.5	13268.8	14819.3	13213.0	9246.8	7003.2	6664.6
55°		9093.5	9675.4	10813.9	9490.3	6752.2	5454.4	5399.0
60°		6958.1	7278.5	7941.8	7040.0	5230.7	4485.0	4609.1
65°		5717.0	5826.7	6036.2	5400.6	4292.2	3859.0	4066.6
70°		5083.9	5021.1	4822.8	4346.5	3700.2	3414.6	3668.3
75°		4860.2	4636.3	4123.9	3664.3	3267.1	3028.3	3293.6
80°		4913.3	4573.5	3837.6	3255.9	2939.7	2716.4	2928.0
85°		5194.6	4800.1	3892.7	3192.4	2808.6	2482.7	2644.1

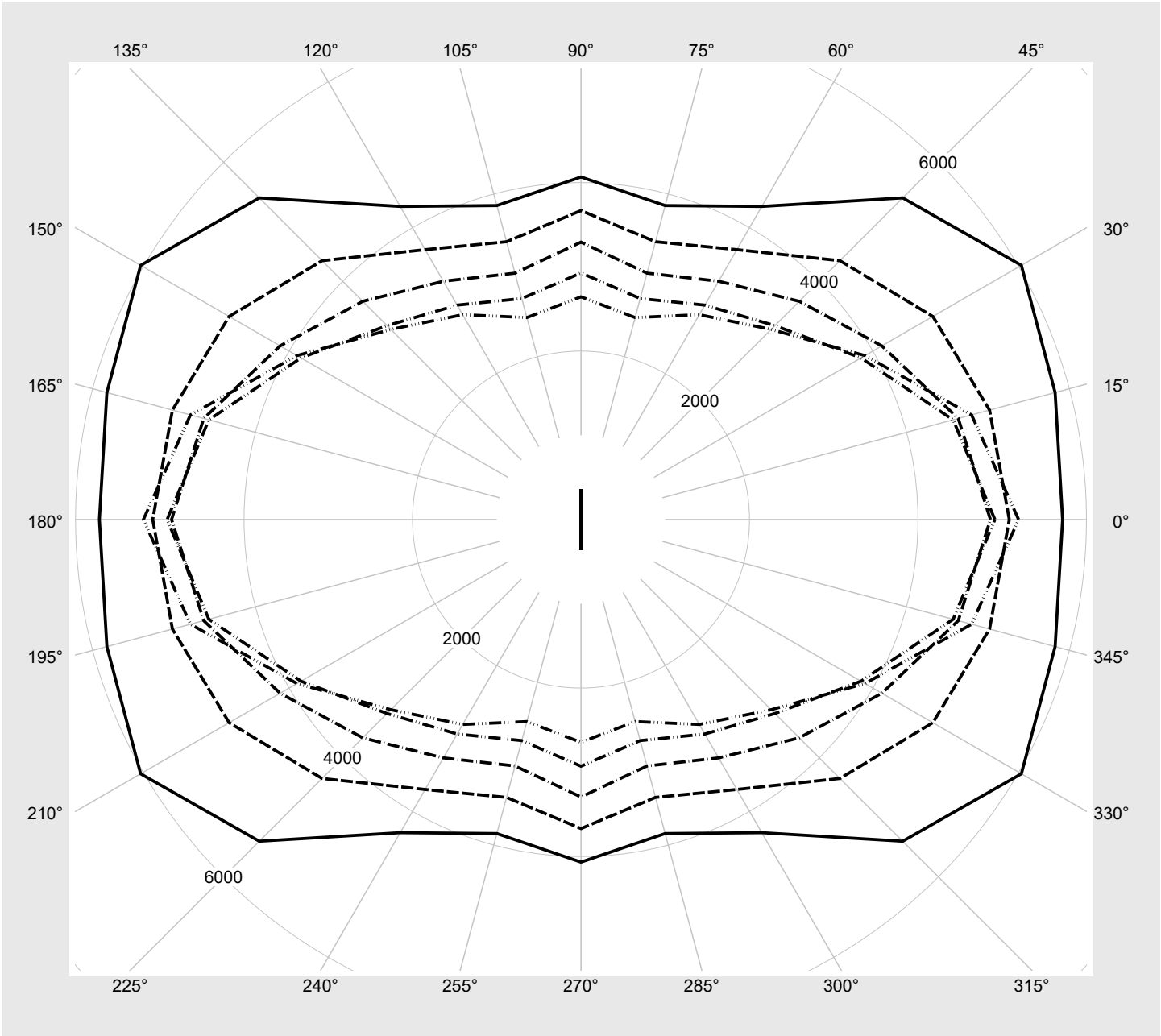
**Photometric test report**

<b>Family</b> <b>Licross® 21 Protected</b>	<b>Order number: 52TD12DNE75F</b> <b>EAN: 4058352455036</b>	<b>LP number</b> <b>58524_53</b>
---	--	-------------------------------------



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

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



## Photometric test report

<b>Family</b> Licross® 21 Protected	<b>Order number: 52TD12DNE75F</b> <b>EAN: 4058352455036</b>	<b>LP number</b> <b>58524_53</b>
--	--	-------------------------------------

<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	7720	61.0
95	239	252	7320	57.3
90	225	250	6941	53.8
85	211	247	6554	50.4
80	198	245	6188	47.2
75	184	242	5789	43.8
70	171	240	5409	40.7
65	158	237	5027	37.5
60	145	233	4637	34.4
55	132	230	4243	31.5
50	120	227	3874	28.6
45	107	222	3472	25.6
40	95	218	3095	22.9
35	83	213	2714	20.2
30	71	207	2329	17.5
25	59	201	1939	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