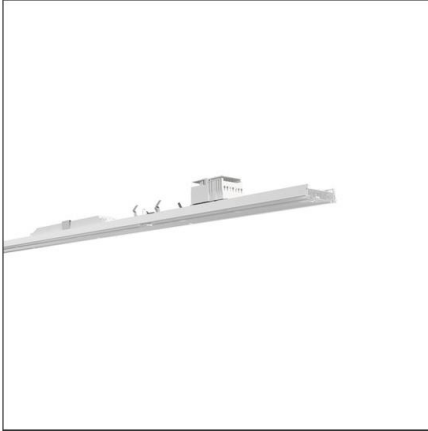


## Photometric test report

Family  
**Licross® Recessed**

Order number: **51TL12DN59XF**  
EAN: **4058352434239**

LP number  
**58637\_148**



**Version** cover frosted, wide distribution, high visual comfort  
**Lamps** LED 5000 K | CRI ≥ 80  
**Controlgear** ECG-DALI  
**Rated values** Net luminous flux = 9070 lm  
Power consumption = 55.4 W  
Luminous efficacy = 163.7 lm/W

serial  
documentation  
**12.10.2022**

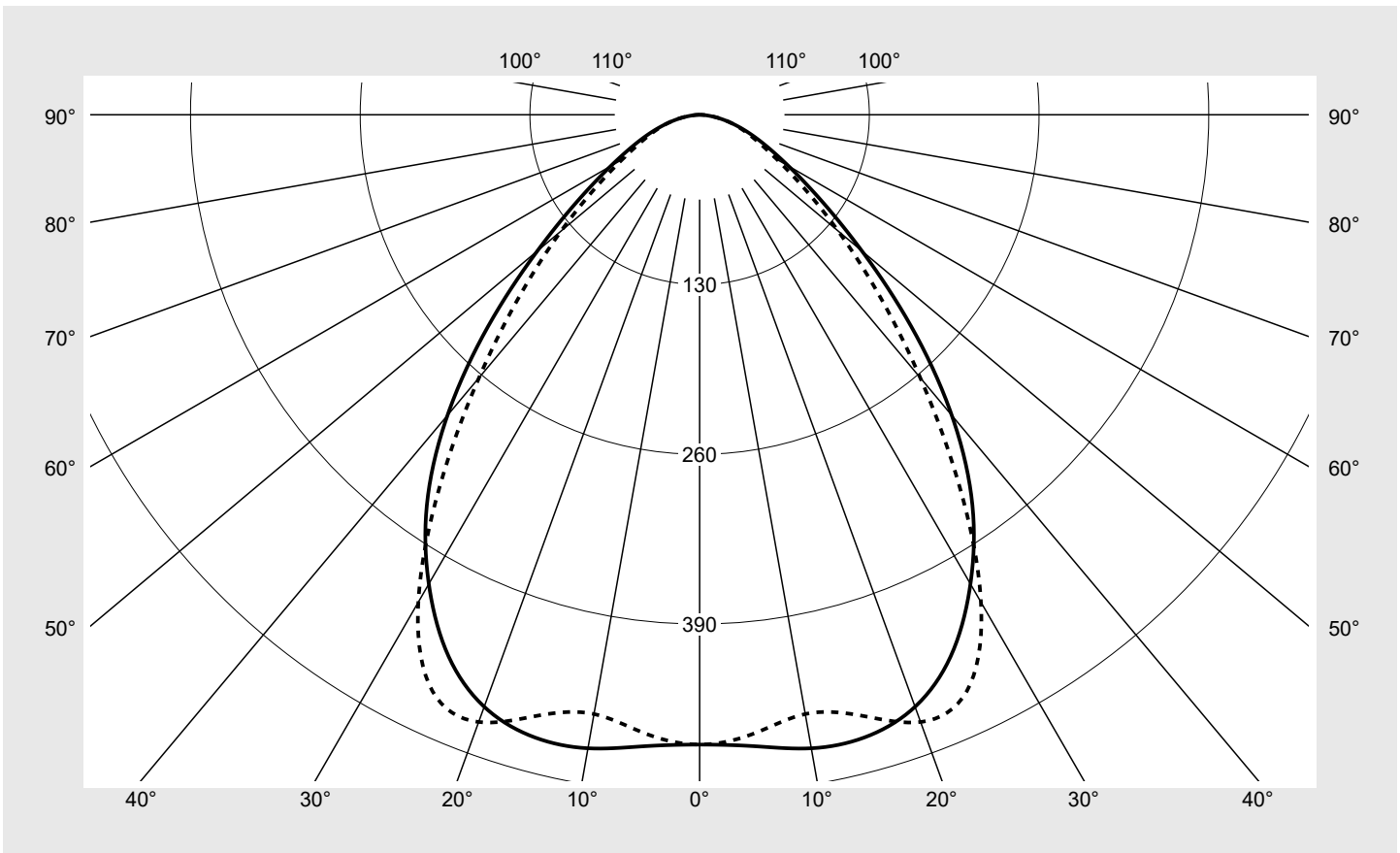
**sitEco**

Luminous intensity in cd/klm

**C180-0**

**C270-90**

**Imax: 498 cd/klm**



### Classifications

DIN 5040 A 5 0  
CIE N1=67 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® Recessed</b>	<b>Order number: 51TL12DN59XF</b> <b>EAN: 4058352434239</b>	<b>LP number</b> <b>58637_148</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°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	2.9	2.9
5°	485.4	482.8	478.2	477.5	477.4	475.9	475.7	22.9	25.8
10°	492.7	488.2	477.9	471.3	467.6	465.9	466.0	45.2	71.0
15°	493.2	486.1	471.9	467.9	471.0	473.7	476.3	67.5	138.5
20°	482.5	473.5	462.5	471.9	487.1	492.8	494.9	89.9	228.4
25°	456.4	447.1	449.2	479.4	497.6	491.1	485.8	109.5	337.8
30°	414.9	406.8	427.0	475.1	479.0	447.1	431.1	121.4	459.2
35°	364.2	358.0	387.7	436.7	420.7	368.9	346.8	122.0	581.2
40°	300.5	296.3	322.5	357.9	336.0	284.8	262.9	110.4	691.6
45°	229.2	226.3	238.5	259.8	247.2	211.8	193.4	90.1	781.7
50°	162.3	159.3	161.6	173.6	174.5	155.2	138.5	68.2	849.9
55°	112.5	108.0	105.1	112.3	121.6	110.9	97.2	49.6	899.5
60°	78.7	73.1	68.3	73.1	83.7	77.4	68.5	35.5	935.0
65°	56.0	50.2	45.0	48.4	56.8	54.5	49.6	25.5	960.5
70°	39.5	34.5	29.5	32.1	37.8	38.5	36.6	18.1	978.6
75°	26.0	22.0	18.4	20.2	23.9	25.9	25.8	12.0	990.6
80°	14.9	12.2	9.9	10.8	13.0	14.8	15.3	6.8	997.4
85°	5.4	4.3	3.6	4.0	4.7	5.6	5.8	2.5	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® Recessed</b>	Order number: <b>51TL12DN59XF</b> EAN: <b>4058352434239</b>	LP number <b>58637_148</b>
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UGR-Table	Standard room	<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	22.3	23.8	22.6	24.1	24.4	22.4	23.9	22.7	24.2	24.5
	3H	22.8	24.1	23.2	24.5	24.8	22.9	24.3	23.3	24.6	24.9
	4H	23.0	24.3	23.4	24.6	25.0	23.2	24.4	23.6	24.8	25.1
	6H	23.2	24.3	23.6	24.7	25.1	23.4	24.5	23.8	24.9	25.3
	8H	23.3	24.3	23.7	24.7	25.1	23.5	24.5	23.9	24.9	25.3
	12H	23.3	24.3	23.8	24.7	25.1	23.5	24.5	23.9	24.9	25.3
4H	2H	22.5	23.7	22.9	24.1	24.5	22.6	23.8	23.0	24.2	24.6
	3H	23.1	24.1	23.5	24.5	24.9	23.3	24.3	23.7	24.7	25.1
	4H	23.4	24.3	23.8	24.7	25.2	23.6	24.6	24.1	25.0	25.4
	6H	23.6	24.4	24.1	24.8	25.3	23.9	24.7	24.4	25.2	25.6
	8H	23.7	24.4	24.2	24.9	25.3	24.0	24.7	24.5	25.2	25.7
	12H	23.8	24.4	24.3	24.8	25.3	24.1	24.7	24.6	25.2	25.7
8H	4H	23.5	24.2	23.9	24.6	25.1	23.7	24.4	24.2	24.9	25.3
	6H	23.7	24.3	24.2	24.8	25.3	24.0	24.6	24.5	25.1	25.6
	8H	23.8	24.3	24.3	24.8	25.3	24.2	24.7	24.7	25.2	25.7
	12H	23.9	24.3	24.4	24.8	25.4	24.3	24.7	24.8	25.2	25.7
12H	4H	23.5	24.1	24.0	24.6	25.1	23.7	24.3	24.2	24.8	25.3
	6H	23.7	24.2	24.3	24.7	25.2	24.1	24.5	24.6	25.0	25.6
	8H	23.8	24.3	24.4	24.8	25.3	24.2	24.6	24.7	25.1	25.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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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°		33785.4	33365.5	35164.6	38301.9	36441.0	31232.8	28507.2	
50°		26323.4	25843.1	26210.0	28162.1	28307.1	25177.4	22464.4	
55°		20444.7	19627.5	19104.7	20419.4	22109.6	20165.5	17663.2	
60°		16411.5	15250.3	14245.9	15248.7	17442.5	16131.3	14272.2	
65°		13822.7	12373.4	11107.9	11948.4	14013.6	13444.0	12245.4	
70°		12035.9	10510.6	8997.2	9783.6	11516.8	11740.6	11166.0	
75°		10458.8	8871.3	7424.9	8134.6	9614.1	10443.0	10386.7	
80°		8922.7	7311.3	5931.6	6494.8	7777.2	8910.7	9197.6	
85°		6399.5	5177.0	4289.5	4766.7	5642.3	6656.7	6934.2	

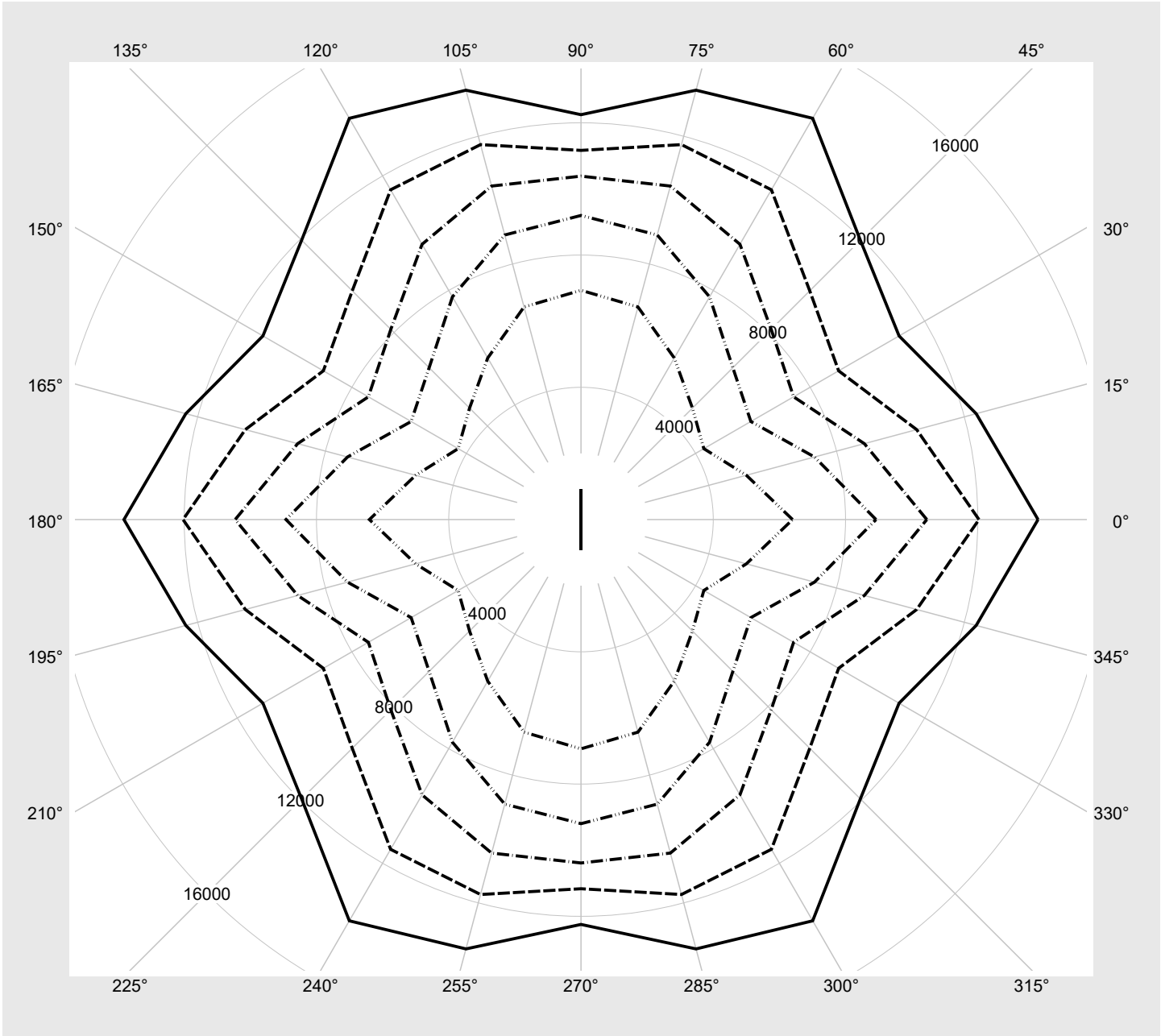
**Photometric test report**

<b>Family</b> <b>Licross® Recessed</b>	<b>Order number: 51TL12DN59XF</b> <b>EAN: 4058352434239</b>	<b>LP number</b> <b>58637_148</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

<b>Family</b> Licross® Recessed	<b>Order number: 51TL12DN59XF</b> <b>EAN: 4058352434239</b>	<b>LP number</b> <b>58637_148</b>
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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	9070	55.4
95	240	252	8617	52.4
90	226	250	8161	49.3
85	212	247	7695	46.2
80	199	245	7261	43.5
75	186	243	6817	40.7
70	173	240	6346	37.7
65	160	237	5894	35.0
60	147	234	5442	32.3
55	134	231	4981	29.5
50	121	227	4522	26.8
45	109	223	4089	24.4
40	96	218	3616	21.7
35	84	213	3174	19.2
30	72	208	2730	16.7
25	60	201	2280	14.3
20	48	193	1826	11.8
15	36	182	1370	9.5
10	24	168	908	7.0
5	12	142	444	4.6
2	5	110	177	3.2