

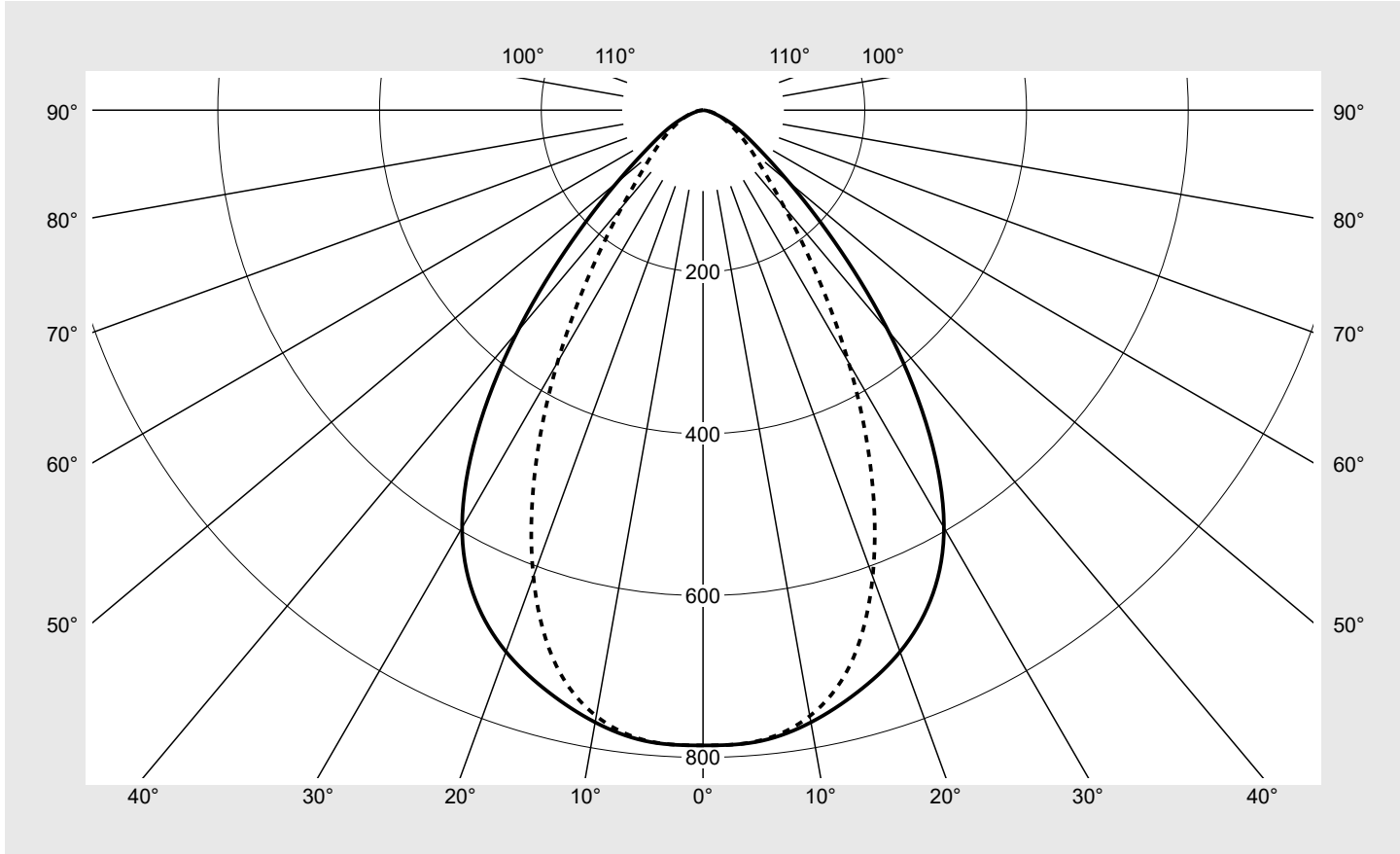


# Photometric test report

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL18DV4M1M</b> <b>EAN: 4058352925188</b>	<b>LP number</b> <b>58690_85</b>
	<b>Version</b> cover frosted, medium distribution, high visual comfort <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 26860 lm Power consumption = 150.5 W Luminous efficacy = 178.5 lm/W	<b>serial documentation</b> <b>19.09.2023</b>
		

**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 785 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=78 N2=94 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® 11 Recessed</b>	<b>Order number: 51TL18DV4M1M</b> <b>EAN: 4058352925188</b>	<b>LP number</b> <b>58690_85</b>
<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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	4.7	4.7
5°	783.4	781.4	776.6	779.8	781.8	782.1	782.7	37.3	42.0
10°	768.3	766.7	761.5	762.8	763.5	761.1	760.4	72.7	114.7
15°	743.6	742.7	733.7	728.3	720.6	709.9	707.4	103.1	217.8
20°	712.4	708.4	691.4	669.5	643.5	621.3	613.4	124.9	342.7
25°	666.9	659.0	622.8	576.9	532.3	501.9	491.6	134.0	476.7
30°	595.9	578.6	522.8	456.8	403.1	370.2	359.8	128.3	605.0
35°	487.4	465.5	401.4	331.1	278.9	249.4	240.2	109.5	714.5
40°	356.6	334.8	278.6	220.0	182.5	161.7	155.6	84.2	798.7
45°	229.8	212.6	172.5	137.3	118.7	108.8	106.4	59.3	858.0
50°	138.7	127.9	104.9	89.6	83.6	79.2	78.2	41.5	899.6
55°	86.1	79.8	69.3	65.4	63.7	60.2	58.5	30.7	930.3
60°	57.8	53.9	50.5	51.8	50.6	46.1	43.1	24.0	954.3
65°	38.0	36.1	37.7	39.9	40.1	34.9	31.4	18.5	972.8
70°	21.9	21.5	24.3	28.4	29.8	25.8	22.4	13.0	985.8
75°	11.6	11.4	12.7	17.5	19.8	17.4	14.7	8.1	993.9
80°	5.8	5.7	6.1	8.6	10.9	9.9	8.2	4.3	998.3
85°	2.4	2.3	2.4	3.2	4.0	3.9	3.0	1.7	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

<b>Family</b> Licross® 11 Recessed	<b>Order number: 51TL18DV4M1M</b> <b>EAN: 4058352925188</b>	<b>LP number</b> 58690_85
---------------------------------------	--	------------------------------

<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	23.7	25.1	24.1	25.4	25.7	21.1	22.5	21.5	22.8	23.1
	3H	24.0	25.2	24.4	25.5	25.9	21.8	23.0	22.2	23.3	23.7
	4H	24.0	25.1	24.4	25.5	25.9	22.0	23.2	22.4	23.5	23.9
	6H	24.0	25.0	24.5	25.4	25.8	22.2	23.2	22.6	23.6	24.0
	8H	24.1	25.0	24.6	25.4	25.8	22.3	23.2	22.7	23.6	24.0
	12H	24.1	24.9	24.6	25.3	25.7	22.3	23.2	22.8	23.6	24.0
4H	2H	23.8	24.9	24.2	25.3	25.7	21.6	22.7	22.0	23.0	23.4
	3H	24.2	25.1	24.6	25.5	25.9	22.5	23.4	22.9	23.8	24.2
	4H	24.3	25.1	24.7	25.5	25.9	22.9	23.7	23.3	24.1	24.5
	6H	24.3	25.0	24.7	25.4	25.9	23.1	23.8	23.6	24.3	24.7
	8H	24.3	24.9	24.8	25.4	25.8	23.2	23.9	23.7	24.3	24.8
	12H	24.3	24.8	24.8	25.3	25.8	23.3	23.8	23.8	24.3	24.8
8H	4H	24.3	24.9	24.8	25.4	25.9	23.0	23.6	23.5	24.1	24.6
	6H	24.3	24.9	24.8	25.3	25.8	23.4	23.9	23.9	24.4	24.9
	8H	24.3	24.8	24.8	25.3	25.8	23.5	24.0	24.0	24.5	25.0
	12H	24.4	24.7	24.9	25.2	25.8	23.6	24.0	24.1	24.5	25.0
12H	4H	24.3	24.9	24.8	25.3	25.8	23.0	23.6	23.5	24.0	24.5
	6H	24.4	24.8	24.9	25.3	25.8	23.4	23.8	23.9	24.3	24.9
	8H	24.4	24.7	24.9	25.2	25.8	23.6	23.9	24.1	24.4	25.0

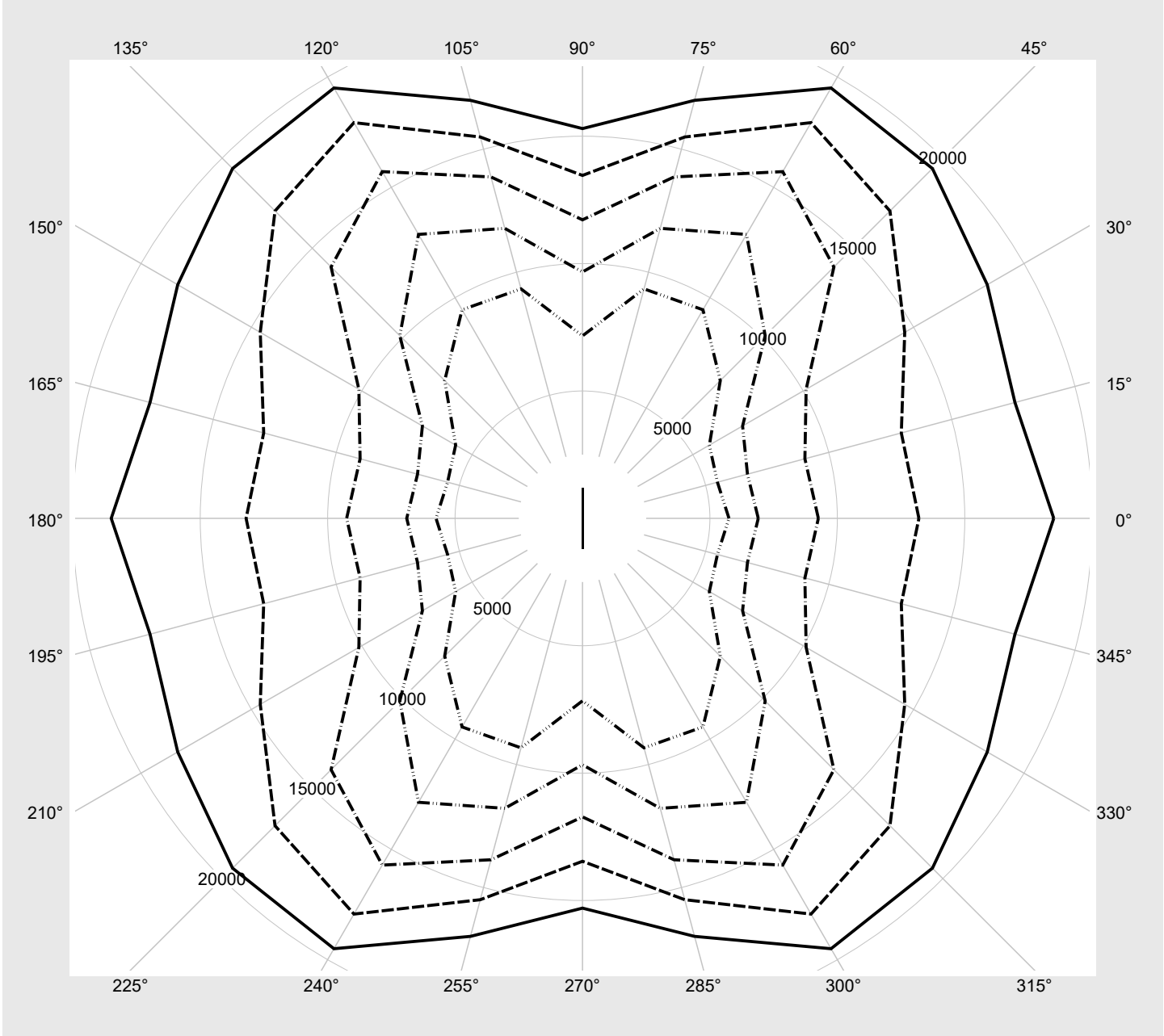
<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 2250</b> <b>B = 58</b>
------------------------	---	--------------------------------------	----------------------------------

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°	66893.7	61894.7	50212.0	39953.5	34553.1	31662.1	30983.9	
50°	50°	44405.1	40960.9	33579.2	28694.5	26760.2	25359.3	25026.6	
55°	55°	30902.5	28625.2	24855.6	23485.5	22861.5	21594.4	20996.2	
60°	60°	23796.5	22187.8	20799.3	21303.2	20833.1	18995.1	17738.3	
65°	65°	18492.7	17568.3	18340.7	19419.0	19505.7	16986.8	15299.3	
70°	70°	13200.2	12951.7	14600.0	17063.1	17935.7	15496.7	13460.8	
75°	75°	9255.0	9034.7	10133.0	13951.7	15715.6	13873.8	11717.9	
80°	80°	6897.2	6701.6	7254.0	10137.8	12869.9	11784.2	9672.0	
85°	85°	5748.0	5481.2	5748.0	7646.7	9453.3	9325.8	7162.6	

**Photometric test report**

<b>Family</b> <b>Licross® 11 Recessed</b>	<b>Order number: 51TL18DV4M1M</b> <b>EAN: 4058352925188</b>	<b>LP number</b> <b>58690_85</b>
--	--	-------------------------------------

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



## Photometric test report

<b>Family</b> Licross® 11 Recessed	<b>Order number: 51TL18DV4M1M</b> <b>EAN: 4058352925188</b>	<b>LP number</b> <b>58690_85</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	26860	150.5
95	240	252	25493	141.7
90	226	250	24165	133.0
85	212	247	22800	124.4
80	199	245	21513	116.4
75	185	242	20109	107.9
70	172	240	18792	100.2
65	159	237	17458	92.6
60	146	234	16111	85.0
55	133	230	14753	77.5
50	120	227	13382	70.1
45	108	223	12104	63.2
40	95	218	10703	55.8
35	83	213	9394	49.0
30	71	207	8069	42.2
25	59	201	6732	35.3
20	47	192	5384	28.6
15	35	181	4021	21.7
10	23	166	2645	14.6
5	12	142	1375	7.9
2	4	102	441	2.8