

## Photometric test report

**Family**  
**Licross® 11 Recessed**

**Order number: 51TL18VN565F**  
**EAN: 4058352466476**

**LP number**  
**58691\_51**



**Version** cover frosted, wide distribution, high visual comfort

**Lamps** LED 5000 K | CRI ≥ 80

**Controlgear** ECG-DALI CLO

**Rated values** Net luminous flux = 6530 lm  
Power consumption = 39.6 W  
Luminous efficacy = 164.9 lm/W

**serial**  
**documentation**  
**04.12.2020**

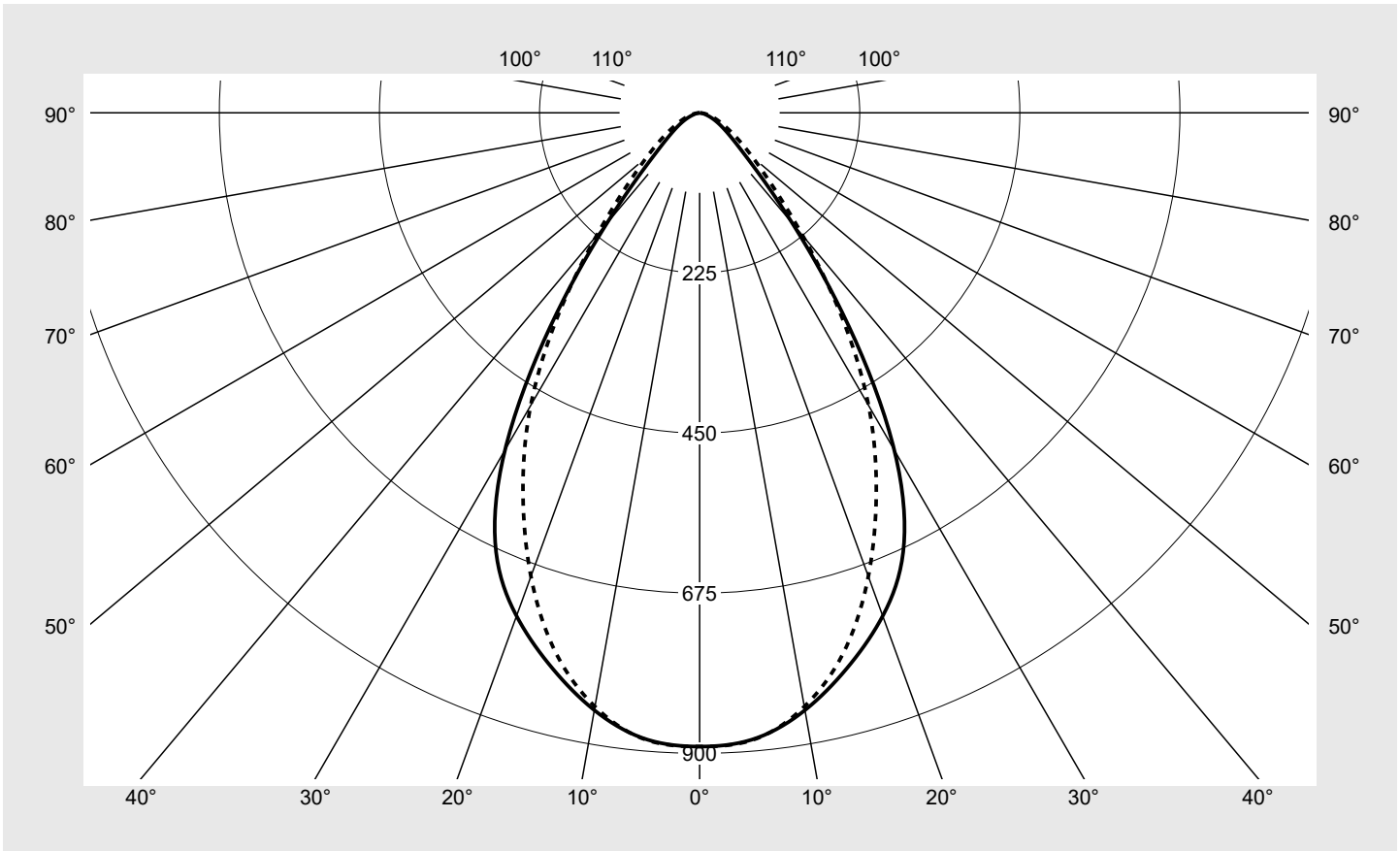
**sitEco**

**Luminous intensity in cd/klm**

**C180-0**

**C270-90**

**Imax: 890 cd/klm**



### Classifications

DIN 5040 A 6 0  
CIE N1=83 N2=96 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

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Table of values for luminous intensities		Maximum luminous intensity
		<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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	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

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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	17.5	18.8	17.8	19.1	19.4	18.4	19.7	18.8	20.0	20.3
	3H	17.7	18.8	18.0	19.1	19.5	18.9	20.0	19.3	20.4	20.7
	4H	17.7	18.8	18.1	19.1	19.5	19.1	20.1	19.5	20.5	20.9
	6H	17.7	18.7	18.1	19.0	19.4	19.2	20.2	19.6	20.5	20.9
	8H	17.8	18.6	18.2	19.0	19.4	19.3	20.2	19.8	20.5	20.9
	12H	17.8	18.5	18.2	18.9	19.3	19.3	20.1	19.8	20.5	20.9
4H	2H	17.6	18.7	18.0	19.1	19.4	18.5	19.5	18.9	19.9	20.3
	3H	17.9	18.8	18.4	19.2	19.6	19.1	20.0	19.6	20.4	20.8
	4H	18.0	18.8	18.4	19.2	19.6	19.4	20.2	19.9	20.6	21.1
	6H	18.0	18.7	18.5	19.1	19.6	19.7	20.3	20.1	20.8	21.2
	8H	18.0	18.6	18.5	19.1	19.5	19.7	20.3	20.2	20.8	21.2
	12H	18.0	18.5	18.5	19.0	19.5	19.8	20.3	20.3	20.7	21.2
8H	4H	18.1	18.7	18.6	19.1	19.6	19.5	20.1	19.9	20.5	21.0
	6H	18.1	18.6	18.6	19.1	19.6	19.8	20.2	20.3	20.7	21.2
	8H	18.1	18.6	18.6	19.1	19.6	19.8	20.3	20.4	20.8	21.3
	12H	18.2	18.5	18.7	19.0	19.6	19.9	20.3	20.5	20.8	21.3
12H	4H	18.1	18.6	18.6	19.1	19.6	19.5	20.0	20.0	20.4	20.9
	6H	18.2	18.6	18.7	19.1	19.6	19.8	20.2	20.3	20.6	21.2
	8H	18.2	18.5	18.7	19.0	19.6	19.9	20.2	20.4	20.7	21.3

<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°		11551.4	11467.2	10896.6	11002.6	13154.4	14804.2	15300.1	
50°		7793.8	7718.4	7328.6	7779.8	9800.9	11069.4	11355.6	
55°		5965.5	5928.9	5932.2	6407.5	7963.5	8765.0	8871.2	
60°		4793.2	4769.5	5126.3	5709.3	6779.8	7069.5	7062.9	
65°		3839.4	3855.0	4405.6	5032.1	5963.7	5888.5	5836.9	
70°		2933.7	3011.1	3561.7	4363.8	5374.2	5122.7	4999.6	
75°		2174.4	2236.5	2642.2	3670.5	4674.2	4504.9	4292.6	
80°		1729.4	1757.5	1995.2	2772.4	3862.1	3830.1	3520.2	
85°		1604.4	1588.9	1718.1	2271.8	2937.5	3034.0	2575.8	

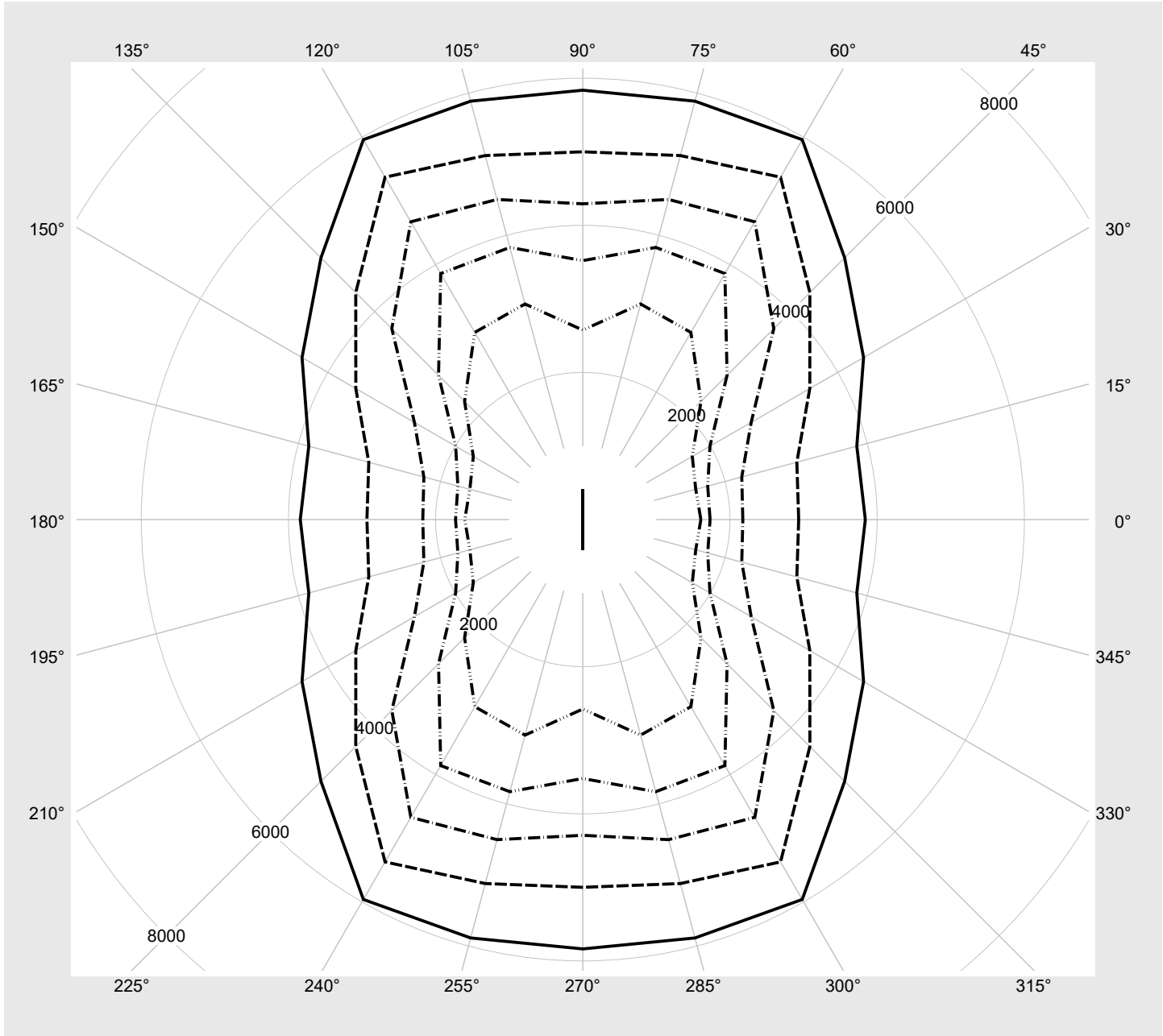
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**Luminance values in cd/m<sup>2</sup>**

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

**siteco**



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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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	6530	39.6	46.1	42.8
95	241	252	6195	37.5	43.8	40.6
90	228	250	5877	35.6	41.4	38.5
85	214	248	5539	33.5	38.8	36.2
80	201	245	5221	31.6	36.6	34.1
75	188	243	4896	29.5	34.3	31.9
70	175	240	4575	27.7	32.0	29.8
65	162	238	4246	25.7	29.7	27.7
60	149	234	3920	23.8	27.5	25.6
55	136	231	3588	21.9	25.2	23.5
50	123	227	3253	20.0	23.0	21.5
45	111	224	2944	18.2	21.0	19.6
40	98	219	2604	16.3	18.7	17.5
35	86	214	2288	14.5	16.6	15.6
30	74	209	1972	12.8	14.5	13.6
25	61	202	1626	10.9	12.3	11.6
20	49	194	1306	9.3	10.4	9.9
15	37	183	983	7.5	8.4	8.0
10	25	169	657	5.7	6.3	6.0
5	13	145	335	4.1	4.4	4.2
2	6	117	146	3.0	3.1	3.0