

## Photometric test report

**Family**  
Licross® 11 Performance

**Order number: 51TS16DN4EXL3C**  
**EAN: 4058352485804**

**LP number**  
**58519\_39**



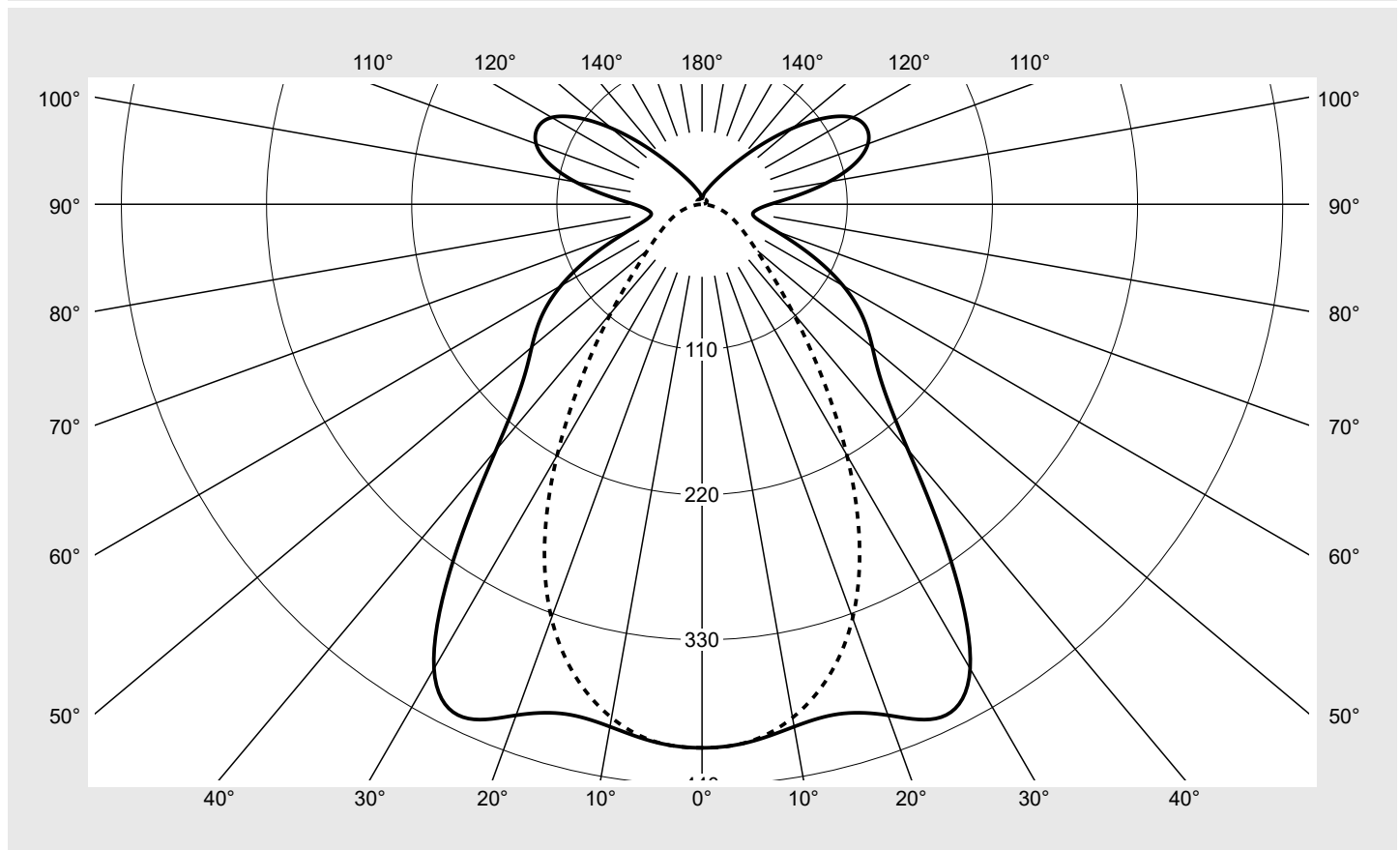
**Version** cover frosted, direct-/ indirect distribution  
**Lamps** LED 4000 K | CRI ≥ 80  
**Controlgear** ECG-DALI  
**Setting** emergency light operation: 3 h  
**Rated values** Net luminous flux = 860 lm  
 Power consumption = 5.0 W  
 Luminous efficacy = 172 lm/W

**serial**  
**documentation**  
04.05.2021

**sitEco**

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

**Imax: 429 cd/klm**



### Classifications

DIN 5040 B 5 1  
 CIE N1=63 N2=86 N3=95  
 N4=78 N5=100

### Luminaire light output ratios

$\eta_{LB}$  100.0%  
 $\phi_u$  78.1%  
 $\phi_o$  21.9%

### Measurement conditions

DIN EN 13032 and DIN 5032

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<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°	411.8	411.8	411.8	411.8	411.8	411.8	411.8	2.5	2.5
5°	409.0	407.3	405.0	406.4	408.3	408.3	408.7	19.5	21.9
10°	401.9	399.8	395.6	394.8	395.0	394.6	395.0	37.7	59.6
15°	399.8	396.0	386.0	378.7	373.7	370.5	370.4	54.1	113.8
20°	412.0	404.2	382.1	360.3	344.8	335.4	333.6	68.7	182.5
25°	428.7	419.7	386.2	342.0	307.4	287.4	282.2	81.0	263.5
30°	406.2	406.4	384.2	323.4	261.9	228.9	219.5	87.6	351.1
35°	328.1	339.8	351.8	297.2	211.1	168.2	156.8	84.4	435.5
40°	242.7	253.2	284.0	257.1	161.6	117.6	107.2	73.3	508.8
45°	193.2	191.3	206.1	202.2	118.6	81.5	73.7	60.3	569.1
50°	168.5	157.2	146.5	145.8	85.8	58.6	53.4	49.3	618.5
55°	148.6	133.1	107.2	99.9	62.9	44.3	40.9	40.6	659.0
60°	123.5	108.6	80.0	67.9	46.9	34.4	32.2	32.9	691.9
65°	91.5	81.0	59.1	47.5	36.1	27.0	25.4	25.6	717.5
70°	60.2	54.5	42.3	34.6	28.0	21.0	19.4	18.9	736.4
75°	43.1	39.2	31.3	26.2	21.7	15.5	13.5	14.3	750.7
80°	39.2	35.6	27.4	20.7	16.7	10.7	8.0	12.1	762.9
85°	42.5	38.8	29.2	19.4	12.9	6.9	3.4	11.8	774.7
90°	51.7	47.2	34.3	20.7	11.3	4.4	0.6	13.1	787.8
95°	71.3	64.2	44.5	24.7	12.8	5.2	1.1	17.1	804.9
100°	97.2	85.6	55.2	28.6	14.3	6.1	1.8	21.5	826.4
105°	120.2	103.0	65.3	32.5	15.7	6.9	2.8	25.1	851.6
110°	133.8	113.4	72.0	35.7	17.0	7.6	3.5	27.0	878.6
115°	137.4	116.7	75.1	37.4	17.7	8.2	3.9	27.0	905.5
120°	131.5	112.0	72.9	36.7	17.5	8.5	4.2	25.0	930.5
125°	114.0	97.3	64.4	33.4	16.5	8.4	4.4	20.9	951.4
130°	89.6	76.8	52.0	28.4	14.9	8.3	4.5	15.9	967.3
135°	64.2	55.4	38.9	22.9	13.2	7.9	4.4	11.1	978.4
140°	43.4	38.1	28.3	18.4	11.3	7.3	4.5	7.5	985.9
145°	29.7	26.7	21.1	14.9	9.5	6.3	4.4	5.0	990.9
150°	21.4	19.7	16.5	11.7	8.2	5.8	4.4	3.4	994.4
155°	16.0	15.0	12.7	9.4	8.0	5.2	4.3	2.3	996.7
160°	12.3	11.7	9.5	8.1	6.6	5.4	4.1	1.5	998.2
165°	10.0	9.6	7.9	6.6	5.9	4.7	4.5	1.0	999.2
170°	7.8	6.8	5.5	5.6	6.0	4.8	4.8	0.6	999.8
175°	4.9	4.4	4.8	4.8	4.9	4.9	5.2	0.2	1000.0
180°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	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	10.9	12.1	11.5	12.7	13.4	6.4	7.7	7.0	8.3	8.9
	3H	11.7	12.8	12.3	13.4	14.1	7.0	8.1	7.6	8.7	9.4
	4H	12.0	13.0	12.6	13.6	14.4	7.2	8.3	7.8	8.9	9.6
	6H	12.3	13.2	13.0	13.9	14.6	7.4	8.4	8.0	9.0	9.8
	8H	12.5	13.3	13.2	14.0	14.8	7.4	8.3	8.0	9.0	9.7
	12H	12.8	13.6	13.6	14.3	15.1	7.4	8.3	8.1	9.0	9.7
4H	2H	10.9	11.9	11.5	12.6	13.3	7.1	8.1	7.7	8.7	9.5
	3H	11.8	12.7	12.5	13.3	14.1	7.8	8.6	8.4	9.3	10.1
	4H	12.2	12.9	12.9	13.6	14.5	8.1	8.9	8.8	9.6	10.4
	6H	12.7	13.3	13.4	14.1	14.9	8.4	9.0	9.1	9.8	10.6
	8H	13.0	13.6	13.8	14.4	15.2	8.4	9.1	9.2	9.8	10.7
	12H	13.5	14.0	14.3	14.8	15.7	8.5	9.0	9.2	9.8	10.7
8H	4H	12.1	12.8	12.9	13.5	14.3	8.4	8.9	9.1	9.7	10.6
	6H	12.8	13.3	13.5	14.0	14.9	8.8	9.3	9.6	10.1	11.0
	8H	13.3	13.7	14.0	14.5	15.4	9.0	9.4	9.8	10.2	11.1
	12H	14.0	14.4	14.8	15.2	16.1	9.1	9.5	9.9	10.3	11.2
12H	4H	12.1	12.6	12.8	13.4	14.3	8.4	8.9	9.2	9.7	10.6
	6H	12.8	13.2	13.5	14.0	14.9	9.0	9.4	9.7	10.1	11.1
	8H	13.3	13.7	14.1	14.5	15.4	9.2	9.6	10.0	10.4	11.3

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm:</b>	<b>L = 1480</b>	<b>H(C0) = 36</b>	<b>H(C180) = 36</b>
			<b>B = 115</b>	<b>H(C90) = 0</b>	<b>H(C270) = 0</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°	1051.7	1049.9	1158.9	1183.2	732.6	538.6	526.8	
	50°	964.6	908.2	870.6	906.7	568.6	420.4	420.0	
	55°	904.8	818.7	680.8	668.4	452.6	349.6	360.3	
	60°	809.1	720.1	550.4	496.1	373.1	304.6	325.2	
	65°	654.5	587.5	446.6	385.5	323.1	275.3	303.3	
	70°	478.0	440.0	357.9	318.2	289.4	253.4	286.2	
	75°	388.1	360.0	304.2	280.3	267.9	231.9	264.1	
	80°	410.6	382.0	314.4	267.1	257.9	214.1	233.1	
	85°	538.5	504.2	412.6	318.9	267.9	207.8	199.1	

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

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

