

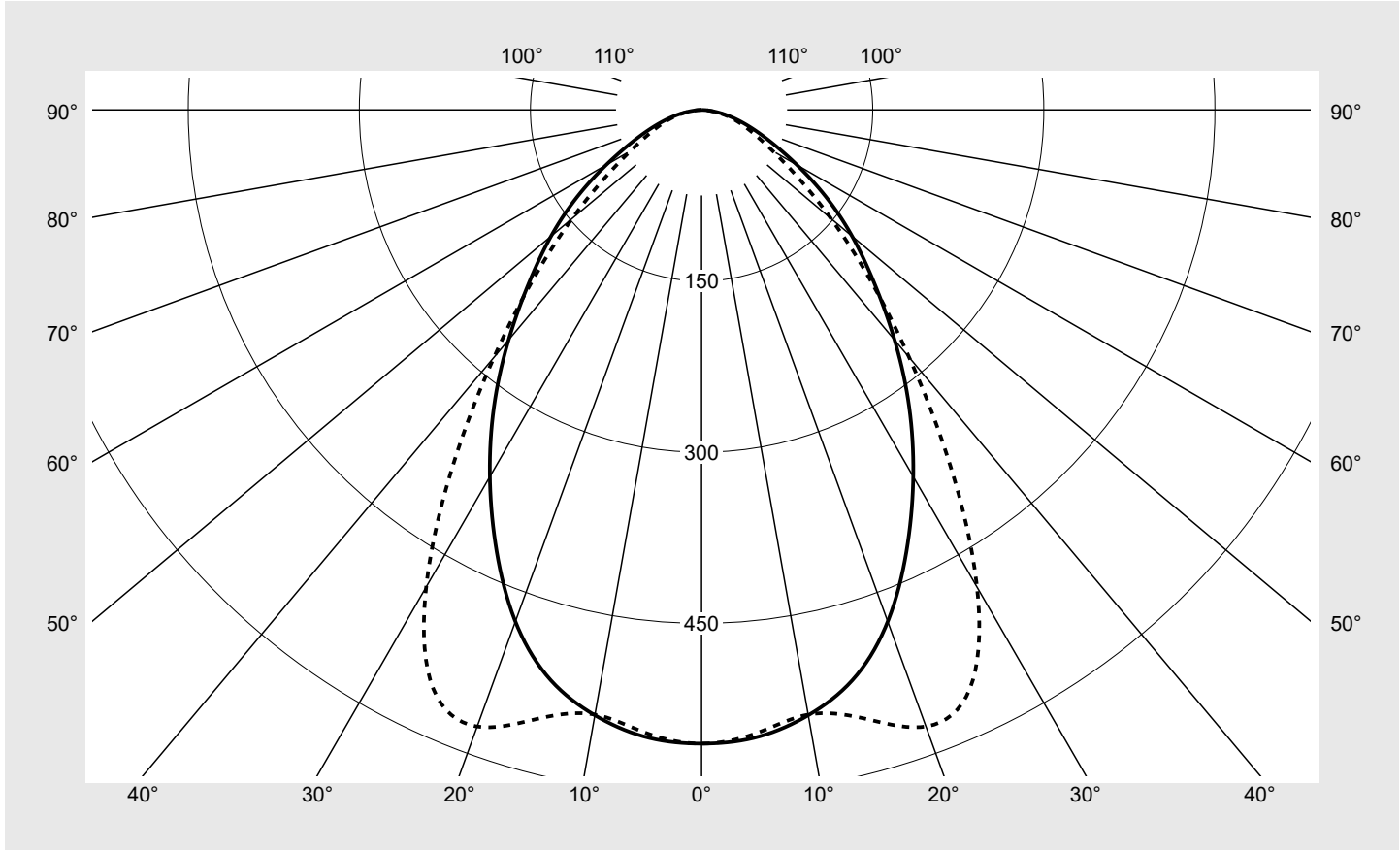


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12CN4CXLD EAN: 4058352418161	LP number 58689_20										
	<table border="0"> <tr> <td>Version</td> <td>cover frosted, wide distribution, high visual comfort</td> </tr> <tr> <td>Lamps</td> <td>LED 4000 K CRI ≥ 80</td> </tr> <tr> <td>Controlgear</td> <td>ECG-Multilumen CLOi</td> </tr> <tr> <td>Setting</td> <td>DC mode (central or group accumulator) initial emergency light level</td> </tr> <tr> <td>Rated values</td> <td> Net luminous flux = 3420 lm Power consumption = 21.5 W Luminous efficacy = 159.1 lm/W </td> </tr> </table>	Version	cover frosted, wide distribution, high visual comfort	Lamps	LED 4000 K CRI ≥ 80	Controlgear	ECG-Multilumen CLOi	Setting	DC mode (central or group accumulator) initial emergency light level	Rated values	Net luminous flux = 3420 lm Power consumption = 21.5 W Luminous efficacy = 159.1 lm/W	serial documentation 26.08.2020 
Version	cover frosted, wide distribution, high visual comfort											
Lamps	LED 4000 K CRI ≥ 80											
Controlgear	ECG-Multilumen CLOi											
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Rated values	Net luminous flux = 3420 lm Power consumption = 21.5 W Luminous efficacy = 159.1 lm/W											

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 575 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=66 N2=91 N3=98 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	3.3	3.3
5°	551.9	549.3	545.0	546.0	548.1	548.0	548.5	26.2	29.5
10°	538.7	535.0	528.7	529.1	532.7	535.9	538.2	50.8	80.3
15°	515.9	510.9	504.6	513.1	530.5	544.7	552.3	74.2	154.5
20°	477.2	471.4	470.1	497.6	537.0	563.7	575.1	95.8	250.2
25°	425.5	419.5	426.9	469.4	521.2	548.6	558.0	111.1	361.3
30°	371.2	364.3	378.4	421.3	459.9	477.2	482.9	115.5	476.8
35°	317.2	309.8	328.6	357.7	367.8	374.7	379.7	109.4	586.2
40°	263.2	255.5	280.4	291.4	277.2	277.7	283.1	97.2	683.4
45°	213.7	204.0	230.1	230.5	202.8	200.2	207.0	82.5	765.9
50°	172.3	160.2	177.2	176.6	149.6	143.3	148.0	67.7	833.6
55°	133.3	121.6	126.4	129.1	111.8	101.0	103.0	53.0	886.6
60°	96.7	87.9	85.2	90.2	83.1	71.0	72.1	39.7	926.3
65°	67.7	61.0	56.3	61.1	60.5	50.8	52.1	29.0	955.3
70°	46.9	41.7	36.5	40.2	42.1	36.4	38.1	20.6	975.8
75°	30.9	26.7	22.6	25.0	27.1	24.7	26.6	13.7	989.5
80°	17.8	14.8	12.0	13.1	14.7	14.1	15.6	7.7	997.1
85°	6.6	5.4	4.4	4.8	5.3	5.4	5.9	2.9	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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UGR-Table	Standard room	siteco
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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	19.2	20.6	19.5	21.0	21.3	18.6	20.1	19.0	20.4	20.7
	3H	19.9	21.2	20.3	21.5	21.9	19.2	20.5	19.6	20.9	21.2
	4H	20.2	21.4	20.6	21.8	22.1	19.5	20.7	19.9	21.1	21.4
	6H	20.4	21.5	20.8	21.9	22.3	19.7	20.8	20.1	21.2	21.6
	8H	20.5	21.5	20.9	21.9	22.3	19.8	20.8	20.2	21.2	21.6
	12H	20.6	21.5	21.0	21.9	22.3	19.8	20.8	20.3	21.2	21.6
4H	2H	19.5	20.7	19.9	21.1	21.4	19.1	20.3	19.4	20.6	21.0
	3H	20.3	21.3	20.7	21.7	22.1	19.8	20.9	20.3	21.2	21.7
	4H	20.7	21.6	21.1	22.0	22.4	20.2	21.1	20.6	21.5	21.9
	6H	20.9	21.7	21.4	22.2	22.6	20.5	21.2	20.9	21.7	22.1
	8H	21.0	21.8	21.5	22.2	22.7	20.6	21.3	21.0	21.7	22.2
	12H	21.1	21.7	21.6	22.2	22.7	20.6	21.2	21.1	21.7	22.2
8H	4H	20.7	21.5	21.2	21.9	22.4	20.3	21.0	20.8	21.5	21.9
	6H	21.1	21.7	21.6	22.1	22.6	20.7	21.2	21.1	21.7	22.2
	8H	21.2	21.7	21.7	22.2	22.7	20.8	21.3	21.3	21.8	22.3
	12H	21.3	21.7	21.8	22.2	22.8	20.9	21.3	21.4	21.8	22.3
12H	4H	20.8	21.4	21.3	21.8	22.3	20.3	20.9	20.8	21.4	21.9
	6H	21.1	21.6	21.6	22.1	22.6	20.7	21.2	21.2	21.7	22.2
	8H	21.2	21.7	21.7	22.2	22.7	20.8	21.2	21.3	21.7	22.3

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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C-planes	γ	Luminance in cd/m ²							
		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°		11880.5	11340.4	12789.8	12812.2	11275.1	11128.4	11509.6	
50°		10535.4	9799.8	10838.1	10802.2	9149.4	8763.7	9050.8	
55°		9137.6	8331.0	8660.1	8846.2	7660.5	6924.1	7059.3	
60°		7600.5	6909.0	6700.8	7089.9	6535.9	5582.8	5665.5	
65°		6295.6	5676.6	5239.3	5679.9	5629.8	4729.0	4842.6	
70°		5388.8	4797.9	4196.4	4622.9	4839.9	4186.3	4379.7	
75°		4698.4	4050.6	3428.0	3789.9	4112.4	3746.5	4036.6	
80°		4022.8	3342.0	2711.1	2976.7	3317.8	3200.8	3532.9	
85°		2973.7	2436.0	1981.4	2151.9	2380.1	2421.2	2649.4	

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Luminance values in cd/m²

γ 65°	γ 70°	γ 75°	γ 80°	γ 85°
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