

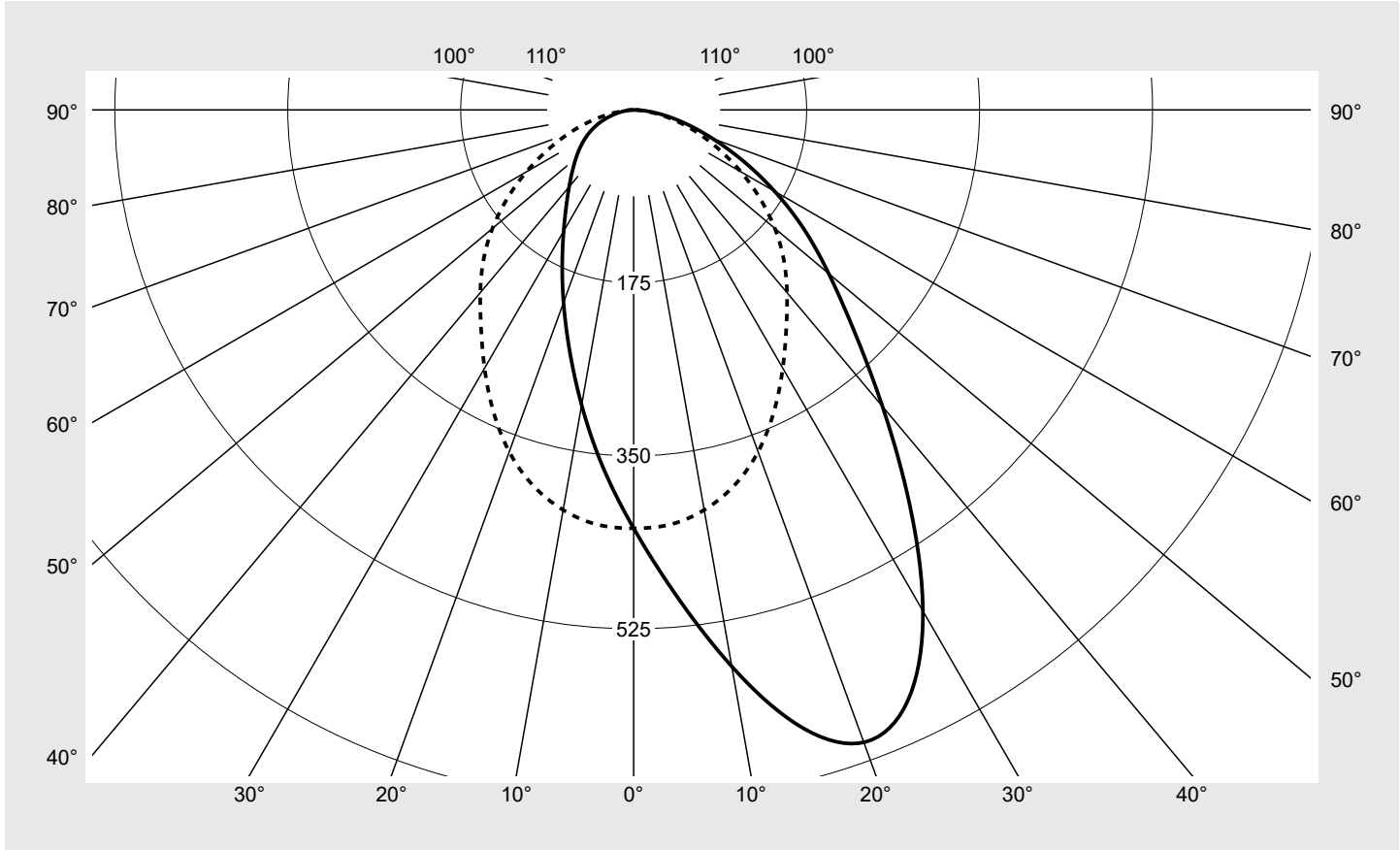


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL14CN475FD EAN: 4058352418215	LP number 58683_19										
	<table border="0"> <tr> <td>Version</td> <td>cover frosted, asymmetric distribution</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 = 3150 lm Power consumption = 22.1 W Luminous efficacy = 142.5 lm/W </td> </tr> </table>	Version	cover frosted, asymmetric distribution	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 = 3150 lm Power consumption = 22.1 W Luminous efficacy = 142.5 lm/W	serial documentation 26.08.2020 
Version	cover frosted, asymmetric distribution											
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 = 3150 lm Power consumption = 22.1 W Luminous efficacy = 142.5 lm/W											

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 681 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=56 N2=84 N3=97 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

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Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°
γ	Luminous intensity in cd/klm						
0°	423.3	423.3	423.3	423.3	423.3	423.3	423.3
5°	492.9	491.4	480.7	469.8	456.1	438.7	421.2
10°	571.7	566.6	544.9	518.0	484.6	447.0	411.0
15°	644.7	637.1	605.9	562.5	507.2	447.4	393.4
20°	680.9	674.8	644.8	594.0	519.7	438.2	368.1
25°	657.9	657.6	642.1	600.0	518.2	419.3	336.2
30°	585.4	591.2	594.0	574.0	501.7	394.4	301.7
35°	486.6	496.5	513.6	518.9	472.6	367.8	269.2
40°	391.6	400.9	423.7	447.6	435.3	342.4	241.4
45°	315.0	320.7	340.1	373.0	389.0	312.9	214.9
50°	257.7	259.4	273.6	305.9	334.9	275.1	186.5
55°	210.4	209.0	219.8	247.0	276.4	230.5	156.0
60°	164.7	163.2	172.4	194.6	218.3	183.7	125.4
65°	122.2	121.6	130.0	147.7	165.1	139.3	96.1
70°	85.2	85.7	92.4	106.6	118.3	100.1	70.2
75°	55.7	56.1	61.0	71.1	77.9	65.9	46.5
80°	31.6	31.9	35.4	40.3	43.4	36.3	25.7
85°	13.1	12.9	14.6	16.5	16.2	13.2	9.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C-planes	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm						Luminous flux in lm/klm	
0°	423.3	423.3	423.3	423.3	423.3	423.3	2.5	2.5
5°	404.2	389.5	375.7	365.6	362.1	361.8	20.2	22.8
10°	378.5	351.6	328.9	312.6	305.3	303.2	40.3	63.1
15°	347.6	311.7	283.3	263.5	254.2	251.1	59.8	123.0
20°	312.8	271.7	241.2	220.7	211.0	207.4	77.2	200.1
25°	275.0	232.7	202.9	183.7	174.4	171.0	89.9	290.0
30°	237.7	196.9	169.7	152.6	144.6	141.7	96.4	386.5
35°	204.1	165.0	141.0	127.0	121.0	118.9	96.9	483.4
40°	176.0	138.8	117.2	106.8	102.8	101.6	93.4	576.7
45°	151.3	116.9	98.0	90.5	88.3	87.8	87.1	663.9
50°	128.6	98.3	82.7	77.4	76.2	76.3	79.3	743.1
55°	107.1	82.4	69.7	65.9	65.5	66.0	69.9	813.0
60°	87.0	68.0	58.3	55.3	55.4	56.0	59.0	872.0
65°	68.6	55.0	47.7	45.3	45.4	45.9	47.4	919.5
70°	51.6	42.4	37.2	35.1	35.2	35.4	35.8	955.3
75°	35.3	29.8	26.5	24.5	24.4	24.5	24.7	980.0
80°	20.2	17.6	15.6	14.5	14.4	14.5	14.3	994.3
85°	7.8	7.1	6.7	6.2	6.2	6.3	5.7	1000.0
90°	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	1000.0

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UGR-Table		Standard room									
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	22.4	24.0	22.7	24.3	24.6	21.0	22.6	21.3	22.9	23.2
	3H	23.3	24.8	23.7	25.1	25.5	22.1	23.5	22.5	23.9	24.2
	4H	23.7	25.1	24.1	25.4	25.8	22.5	23.9	22.9	24.2	24.6
	6H	24.0	25.2	24.4	25.6	26.0	22.8	24.0	23.2	24.4	24.8
	8H	24.0	25.2	24.5	25.6	26.0	22.9	24.0	23.3	24.4	24.8
	12H	24.1	25.2	24.6	25.6	26.0	22.9	24.0	23.4	24.4	24.8
4H	2H	23.1	24.5	23.5	24.8	25.2	21.6	22.9	22.0	23.3	23.7
	3H	24.3	25.4	24.7	25.8	26.2	23.0	24.1	23.4	24.5	24.9
	4H	24.7	25.7	25.1	26.1	26.6	23.5	24.6	24.0	25.0	25.4
	6H	25.0	25.9	25.5	26.3	26.8	23.9	24.8	24.4	25.2	25.7
	8H	25.1	26.0	25.6	26.4	26.9	24.0	24.8	24.5	25.3	25.8
	12H	25.2	26.0	25.7	26.4	26.9	24.1	24.8	24.6	25.3	25.8
8H	4H	25.0	25.8	25.5	26.3	26.8	23.8	24.6	24.3	25.0	25.5
	6H	25.5	26.1	25.9	26.6	27.1	24.3	25.0	24.8	25.4	25.9
	8H	25.6	26.2	26.1	26.7	27.2	24.5	25.1	25.0	25.5	26.1
	12H	25.7	26.2	26.3	26.7	27.3	24.6	25.1	25.1	25.6	26.1
12H	4H	25.1	25.8	25.6	26.3	26.7	23.8	24.5	24.3	25.0	25.5
	6H	25.6	26.1	26.1	26.6	27.1	24.4	24.9	24.9	25.4	25.9
	8H	25.7	26.2	26.2	26.7	27.3	24.6	25.0	25.1	25.5	26.1

Luminance table		Max. for $\gamma \geq 65^\circ$											
		Photometric dimensions in mm:											
		L = 1500 B = 58											
C-planes	0°	15° 345°	30° 330°	45° 315°	60° 300°	75° 285°	90° 270°	105° 255°	120° 240°	135° 225°	150° 210°	165° 195°	180°
γ	Luminance in cd/m ²												
45°	16127.5	16418.9	17416.3	19100.3	19916.4	16023.8	11004.2	7749.6	5984.7	5015.7	4635.5	4522.5	4493.6
50°	14513.6	14609.8	15411.3	17228.2	18866.9	15493.3	10505.8	7246.1	5539.3	4656.2	4357.3	4294.2	4298.5
55°	13278.6	13194.7	13873.4	15590.2	17450.6	14548.2	9845.1	6763.1	5200.0	4399.6	4161.6	4135.3	4168.8
60°	11925.9	11820.6	12484.6	14092.2	15809.6	13299.9	9077.3	6297.8	4922.4	4219.0	4007.8	4009.2	4057.8
65°	10468.4	10414.2	11134.8	12652.0	14142.1	11931.4	8235.0	5876.3	4715.7	4084.4	3882.9	3888.8	3936.0
70°	9017.2	9076.8	9783.9	11288.3	12520.2	10598.7	7431.1	5460.7	4486.5	3941.6	3710.6	3725.3	3742.6
75°	7794.7	7847.8	8528.1	9943.9	10896.7	9221.9	6510.9	4939.6	4175.2	3701.0	3421.4	3413.4	3422.2
80°	6598.8	6656.8	7375.5	8409.5	9039.8	7566.7	5364.5	4214.6	3671.4	3249.4	3031.7	3010.6	3027.7
85°	5438.8	5378.1	6048.2	6839.2	6723.7	5472.8	3794.1	3244.9	2961.2	2763.8	2596.0	2582.7	2606.4

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

