

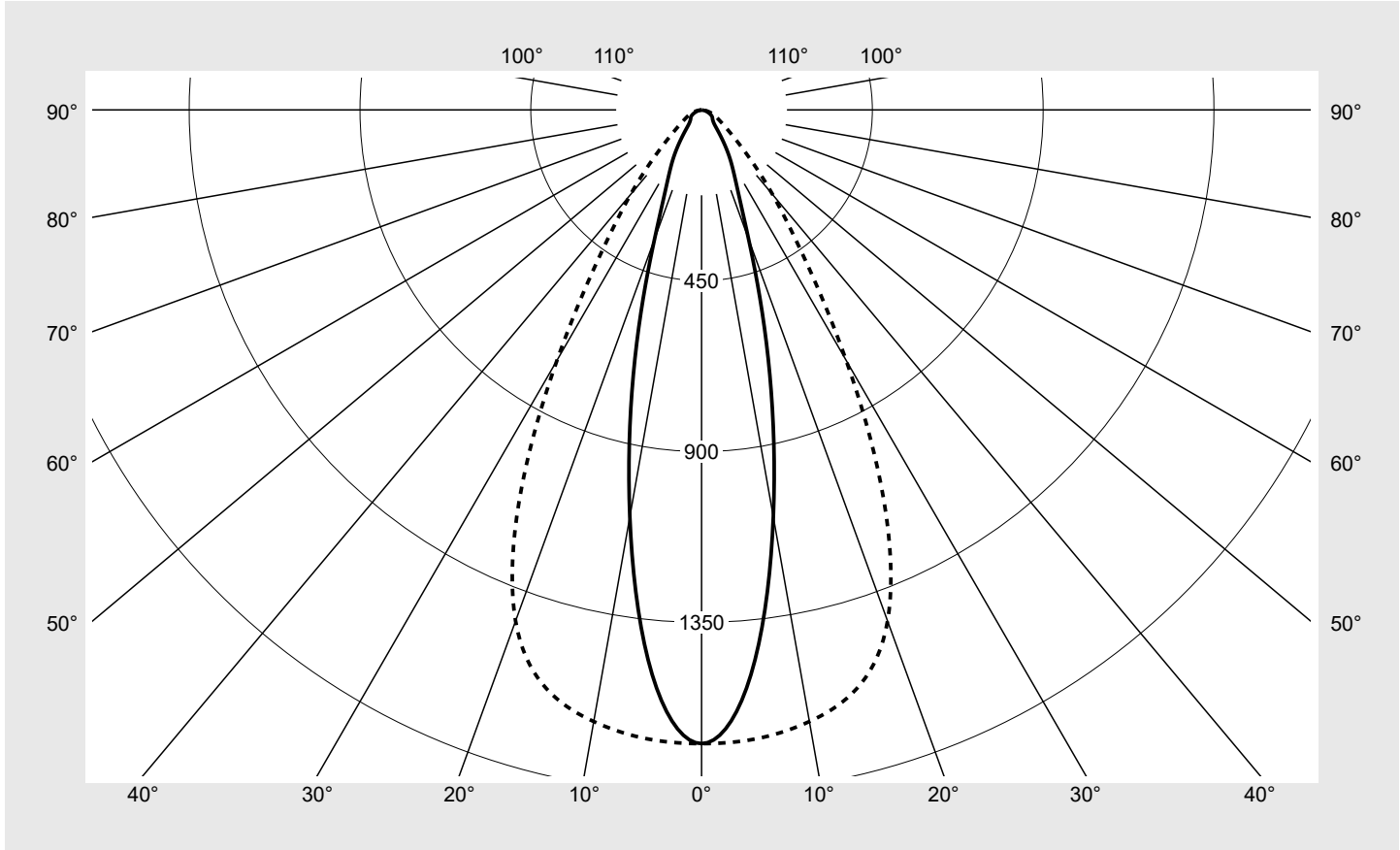


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL1E7N48XF EAN: 4058352579534	LP number 59263_3
	Version cover frosted, elliptical narrow distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG	serial documentation 08.02.2022
	Rated values Net luminous flux = 8090 lm Power consumption = 47.6 W Luminous efficacy = 170 lm/W	

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 1670 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=85 N2=95 N3=99 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 γ	0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
	180°	Luminous intensity in cd/klm							Luminous flux in lm/klm
0°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	14.4	15.6	14.8	16.0	16.3	19.4	20.7	19.8	21.0	21.3
	3H	15.6	16.7	16.0	17.0	17.4	20.0	21.0	20.4	21.4	21.7
	4H	15.9	17.0	16.3	17.3	17.7	20.3	21.2	20.7	21.6	22.0
	6H	16.2	17.1	16.6	17.5	17.9	20.5	21.4	20.9	21.7	22.1
	8H	16.4	17.2	16.8	17.6	18.0	20.6	21.4	21.1	21.8	22.2
12H	16.4	17.2	16.8	17.6	18.0	20.7	21.3	21.1	21.7	22.2	
4H	2H	15.2	16.2	15.6	16.6	16.9	19.4	20.4	19.8	20.8	21.2
	3H	16.7	17.5	17.1	17.9	18.3	20.1	21.0	20.5	21.4	21.8
	4H	17.2	17.9	17.6	18.3	18.8	20.5	21.2	20.9	21.7	22.1
	6H	17.4	18.1	17.9	18.5	19.0	20.8	21.4	21.3	21.9	22.3
	8H	17.6	18.2	18.1	18.6	19.1	20.9	21.5	21.4	21.9	22.4
12H	17.7	18.2	18.2	18.6	19.1	21.0	21.4	21.5	21.9	22.4	
8H	4H	17.7	18.2	18.1	18.6	19.1	20.6	21.2	21.1	21.6	22.1
	6H	18.1	18.5	18.6	19.0	19.5	21.0	21.5	21.5	21.9	22.4
	8H	18.2	18.6	18.7	19.1	19.7	21.1	21.5	21.6	22.0	22.6
	12H	18.4	18.7	18.9	19.2	19.8	21.2	21.6	21.7	22.1	22.6
12H	4H	17.7	18.2	18.2	18.6	19.1	20.6	21.1	21.1	21.5	22.0
	6H	18.2	18.6	18.7	19.1	19.6	21.0	21.4	21.5	21.9	22.4
	8H	18.4	18.7	18.9	19.2	19.8	21.2	21.5	21.7	22.0	22.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90°	
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	270°	
		Luminance in cd/m²							
45°		5719.0	6032.8	7647.3	11346.0	13089.3	19120.9	23268.6	
50°		5459.5	5639.0	6191.2	8829.6	9882.2	12922.9	15788.1	
55°		5603.2	5671.1	5953.1	7048.2	8189.8	9666.6	11951.4	
60°		5608.3	5792.6	6102.8	6365.4	7177.4	7807.5	9948.3	
65°		5264.9	5583.0	6406.6	6184.8	6629.5	6772.3	9090.3	
70°		4615.7	4992.5	6111.6	6340.8	6360.9	6162.7	8381.5	
75°		3900.7	4314.6	5818.2	6443.0	6256.9	5655.4	7433.1	
80°		3295.5	3563.7	4822.7	5706.8	5874.4	4973.7	6222.5	
85°		3334.1	3556.1	4524.8	5363.4	5138.3	4154.6	4452.3	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco

