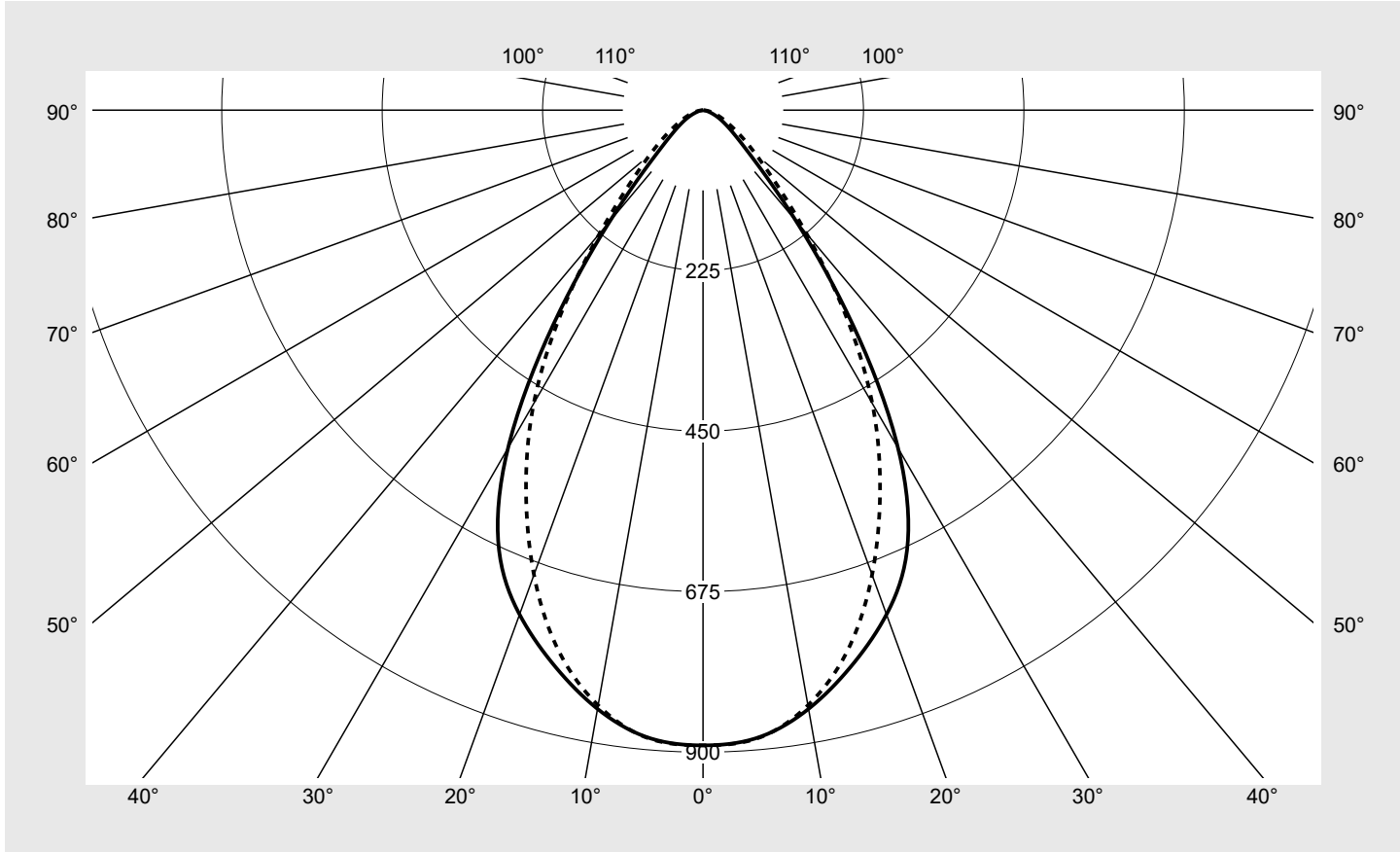


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18VN465F EAN: 4058352466414	LP number 58691_48
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI CLO Rated values Net luminous flux = 6520 lm Power consumption = 39.6 W Luminous efficacy = 164.7 lm/W	serial documentation 04.12.2020 

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	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18VN465F EAN: 4058352466414	LP number 58691_48
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°	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

Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18VN465F EAN: 4058352466414	LP number 58691_48
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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	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	18.7	18.1	19.1	19.5	19.1	20.1	19.5	20.5	20.9
	6H	17.7	18.6	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	20.1	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	18.3	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	19.6	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	20.2	20.7	21.2
	8H	18.1	18.6	18.6	19.0	19.6	19.8	20.3	20.3	20.8	21.3
	12H	18.2	18.5	18.7	19.0	19.5	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	19.0	19.6	19.8	20.1	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

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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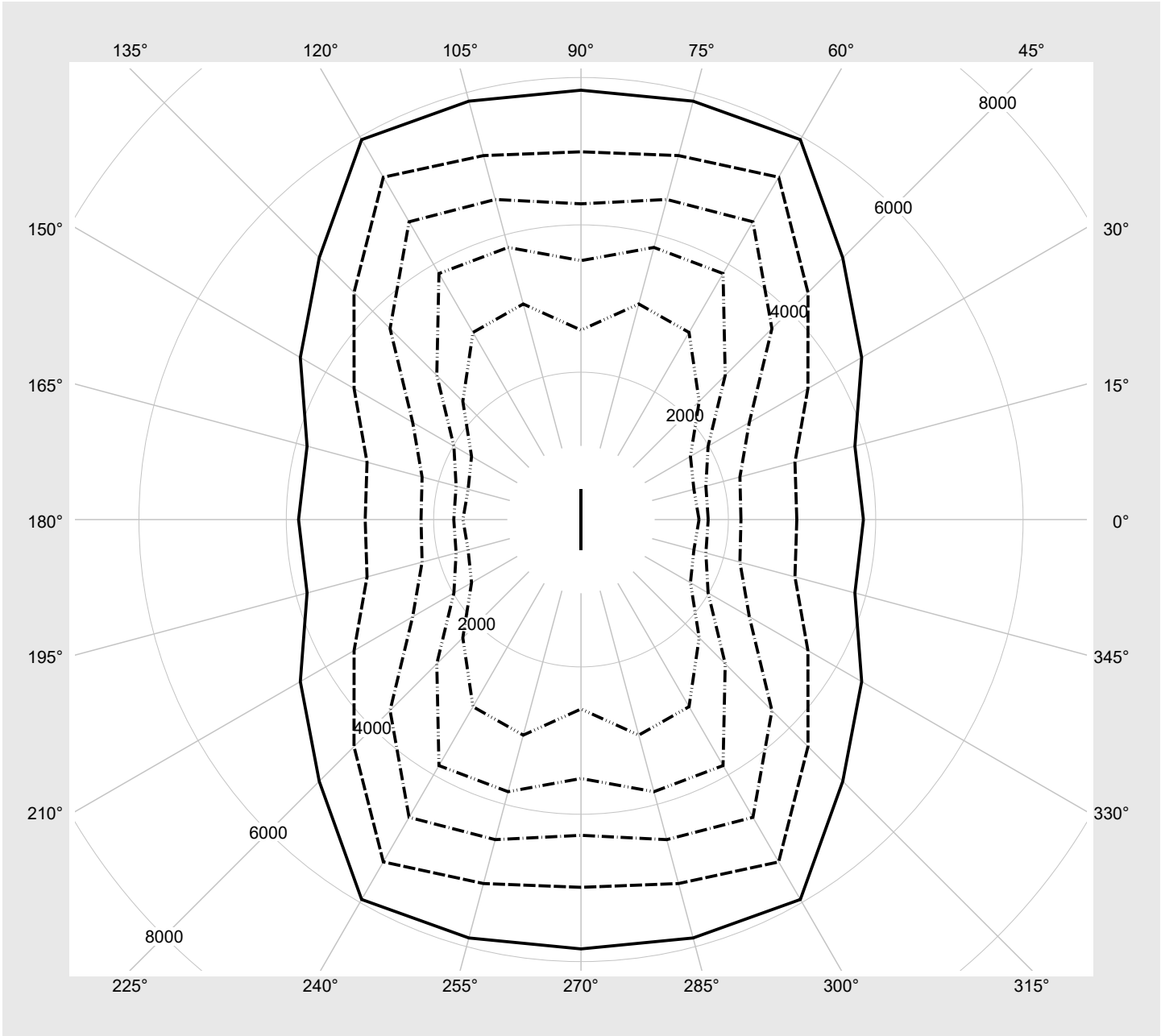
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		11533.7	11449.6	10879.9	10985.7	13134.3	14781.5	15276.6	
50°		7781.9	7706.6	7317.4	7767.9	9785.9	11052.5	11338.2	
55°		5956.3	5919.9	5923.1	6397.7	7951.3	8751.6	8857.6	
60°		4785.8	4762.1	5118.4	5700.6	6769.4	7058.7	7052.1	
65°		3833.5	3849.1	4398.8	5024.4	5954.5	5879.5	5827.9	
70°		2929.2	3006.5	3556.3	4357.1	5366.0	5114.9	4991.9	
75°		2171.1	2233.1	2638.1	3664.9	4667.1	4498.0	4286.0	
80°		1726.7	1754.8	1992.2	2768.1	3856.1	3824.2	3514.8	
85°		1601.9	1586.5	1715.4	2268.3	2933.0	3029.3	2571.9	

Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18VN465F EAN: 4058352466414	LP number 58691_48
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Luminance values in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18VN465F EAN: 4058352466414	LP number 58691_48
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Dimming levels table	environmental temperature: 25°C	siteco
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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	6520	39.6	46.1	42.8
95	241	252	6186	37.5	43.8	40.6
90	228	250	5869	35.6	41.4	38.5
85	214	248	5531	33.5	38.8	36.2
80	201	245	5213	31.6	36.6	34.1
75	188	243	4890	29.5	34.3	31.9
70	175	240	4569	27.7	32.0	29.8
65	162	238	4240	25.7	29.7	27.7
60	149	234	3915	23.8	27.5	25.6
55	136	231	3584	21.9	25.2	23.5
50	123	227	3250	20.0	23.0	21.5
45	111	224	2940	18.2	21.0	19.6
40	98	219	2602	16.3	18.7	17.5
35	86	214	2286	14.5	16.6	15.6
30	73	208	1943	12.6	14.4	13.5
25	61	202	1625	10.9	12.3	11.6
20	49	194	1305	9.3	10.4	9.9
15	37	183	982	7.5	8.4	8.0
10	25	169	656	5.7	6.3	6.0
5	13	145	334	4.1	4.4	4.2
2	6	117	145	3.0	3.1	3.0