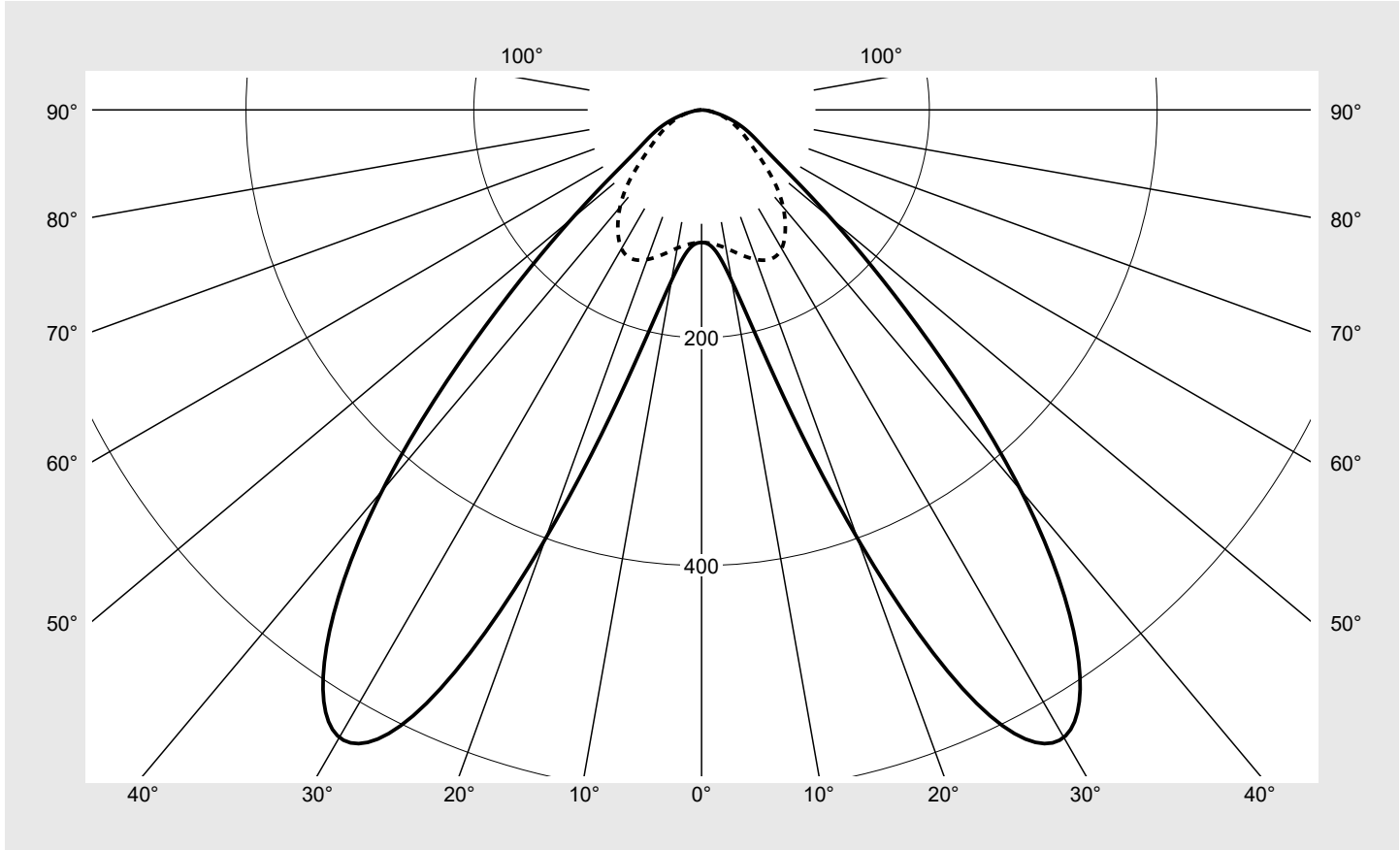


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL19DV4B5F EAN: 4058352449103	LP number 58532_32
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 11510 lm Power consumption = 67.8 W Luminous efficacy = 169.8 lm/W	serial documentation 28.09.2020
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 703 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=55 N2=89 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

Family Licross® 11 Recessed	Order number: 51TL19DV4B5F EAN: 4058352449103	LP number 58532_32
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Table of values for luminous intensities	Maximum luminous intensity
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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°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.1	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: 51TL19DV4B5F EAN: 4058352449103	LP number 58532_32
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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	24.2	25.9	24.6	26.2	26.5	23.1	24.7	23.4	25.0	25.3
	3H	24.4	25.8	24.8	26.2	26.5	23.3	24.8	23.7	25.1	25.5
	4H	24.5	25.8	24.8	26.1	26.5	23.4	24.8	23.8	25.1	25.5
	6H	24.5	25.7	24.9	26.1	26.4	23.4	24.7	23.9	25.1	25.5
	8H	24.5	25.6	24.9	26.0	26.4	23.4	24.7	23.8	25.1	25.5
	12H	24.5	25.5	24.9	25.9	26.4	23.4	24.6	23.8	25.0	25.4
4H	2H	24.6	26.0	25.0	26.3	26.7	23.8	25.1	24.2	25.5	25.8
	3H	24.9	26.0	25.3	26.4	26.8	24.5	25.6	24.9	26.0	26.4
	4H	25.0	26.0	25.4	26.4	26.8	24.7	25.8	25.2	26.2	26.6
	6H	25.0	25.9	25.5	26.3	26.8	24.9	25.8	25.3	26.2	26.6
	8H	25.0	25.8	25.5	26.3	26.7	24.9	25.7	25.3	26.1	26.6
	12H	25.0	25.7	25.5	26.2	26.7	24.9	25.6	25.3	26.1	26.6
8H	4H	25.1	26.0	25.6	26.4	26.9	24.9	25.7	25.4	26.2	26.7
	6H	25.2	25.9	25.7	26.4	26.9	25.2	25.9	25.7	26.4	26.9
	8H	25.2	25.8	25.7	26.3	26.8	25.3	25.9	25.8	26.4	26.9
	12H	25.2	25.7	25.8	26.2	26.8	25.4	25.9	25.9	26.4	26.9
12H	4H	25.1	25.9	25.6	26.4	26.9	25.0	25.7	25.4	26.1	26.6
	6H	25.3	25.8	25.8	26.3	26.8	25.3	25.8	25.8	26.3	26.8
	8H	25.3	25.8	25.8	26.3	26.8	25.4	25.9	25.9	26.4	26.9

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250 B = 58
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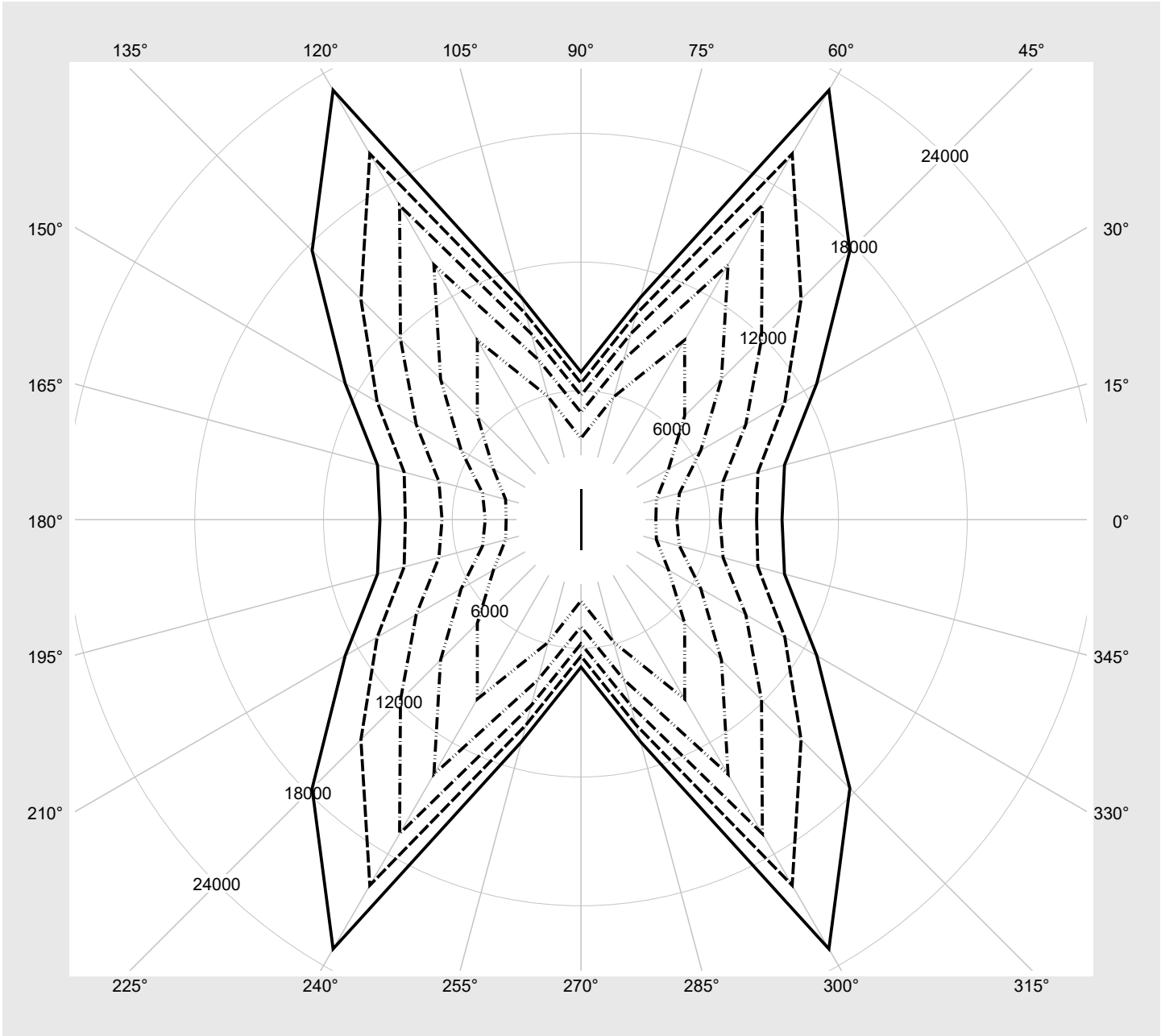
C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		33511.3	37389.7	57254.0	75484.0	41656.7	15281.2	11373.9
50°		20453.8	23098.3	37943.1	57597.9	35582.2	13366.8	9464.6
55°		13122.6	14684.2	23253.0	37816.4	30707.1	12187.1	8159.5
60°		10459.4	11245.0	15524.7	24425.4	26931.6	11474.2	7427.3
65°		9369.3	9818.8	12689.2	17720.7	23107.2	10721.2	6878.0
70°		8185.0	8533.4	10969.1	14505.9	19684.8	9908.9	6365.2
75°		6476.8	6856.7	8868.7	11898.9	16910.0	8968.9	5790.1
80°		4463.1	4749.6	6447.5	9255.8	13709.8	7729.5	4995.4
85°		3488.3	3639.1	4713.8	6832.8	9661.3	5928.1	3788.8

Photometric test report

Family Licross® 11 Recessed	Order number: 51TL19DV4B5F EAN: 4058352449103	LP number 58532_32
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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: 51TL19DV4B5F EAN: 4058352449103	LP number 58532_32
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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]
100	254	254	11510	67.8
95	241	252	10956	64.2
90	227	250	10354	60.5
85	214	248	9792	56.9
80	201	245	9224	53.4
75	188	243	8652	49.9
70	174	240	8035	46.3
65	162	238	7498	43.2
60	149	234	6912	39.9
55	136	231	6322	36.5
50	124	228	5773	33.5
45	111	224	5174	30.1
40	99	219	4618	27.1
35	86	214	4012	23.8
30	74	209	3448	20.8
25	62	202	2880	17.9
20	50	194	2309	14.9
15	38	184	1735	11.9
10	26	171	1156	9.0
5	14	148	574	5.9
2	8	127	282	4.5