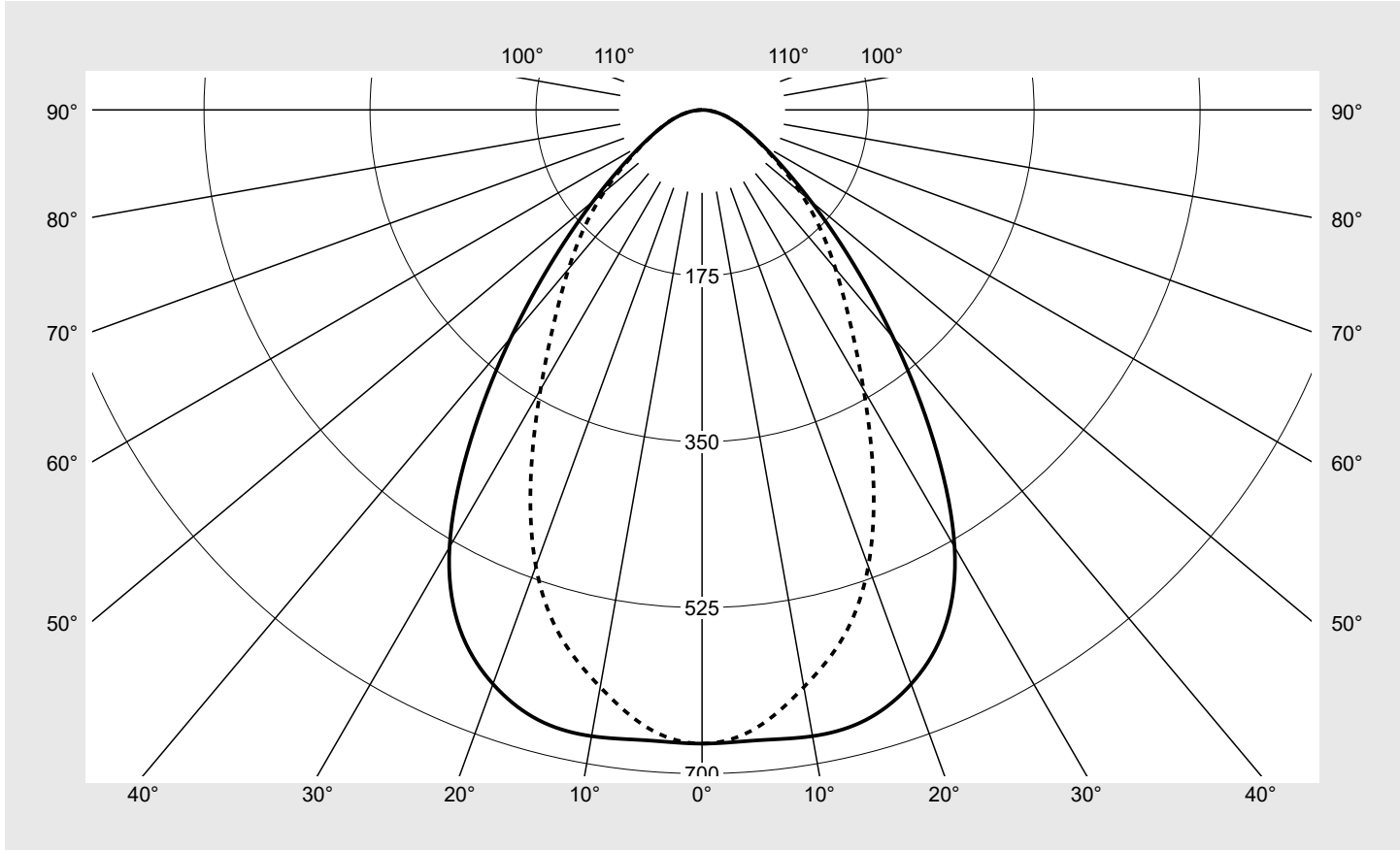


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN395G EAN: 4058352971291	LP number 59101_351
	Version cover frosted, wide distribution, high visual comfort Lamps LED 3000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9630 lm Power consumption = 58.0 W Luminous efficacy = 166 lm/W	serial documentation 28.09.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 671 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=72 N2=92 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® 21 Recessed	Order number: 52TL12DN395G EAN: 4058352971291	LP number 59101_351
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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	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

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN395G EAN: 4058352971291	LP number 59101_351
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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	21.6	23.0	22.0	23.3	23.7	21.6	23.0	21.9	23.3	23.6
	3H	22.2	23.5	22.6	23.8	24.2	22.3	23.6	22.7	23.9	24.3
	4H	22.5	23.7	22.9	24.0	24.4	22.7	23.9	23.1	24.2	24.6
	6H	22.7	23.8	23.1	24.2	24.6	22.9	24.0	23.3	24.4	24.8
	8H	22.9	23.9	23.3	24.2	24.6	23.1	24.0	23.5	24.4	24.8
	12H	23.0	23.9	23.4	24.2	24.7	23.1	24.0	23.5	24.4	24.8
4H	2H	21.8	23.0	22.2	23.3	23.7	21.8	22.9	22.2	23.3	23.7
	3H	22.4	23.4	22.9	23.8	24.2	22.7	23.7	23.1	24.1	24.5
	4H	22.8	23.7	23.2	24.1	24.5	23.2	24.0	23.6	24.4	24.9
	6H	23.1	23.9	23.6	24.3	24.8	23.5	24.3	24.0	24.7	25.2
	8H	23.3	23.9	23.7	24.4	24.9	23.6	24.3	24.1	24.8	25.2
	12H	23.4	24.0	23.9	24.4	24.9	23.7	24.3	24.2	24.8	25.3
8H	4H	22.9	23.5	23.3	24.0	24.5	23.2	23.9	23.7	24.3	24.8
	6H	23.2	23.8	23.7	24.3	24.8	23.6	24.2	24.1	24.7	25.2
	8H	23.4	23.9	23.9	24.4	24.9	23.8	24.3	24.3	24.8	25.3
	12H	23.5	23.9	24.1	24.4	25.0	23.9	24.3	24.4	24.8	25.4
12H	4H	22.9	23.5	23.4	23.9	24.4	23.2	23.8	23.7	24.3	24.8
	6H	23.2	23.7	23.8	24.2	24.7	23.7	24.1	24.2	24.6	25.1
	8H	23.4	23.8	23.9	24.3	24.9	23.8	24.2	24.3	24.7	25.3

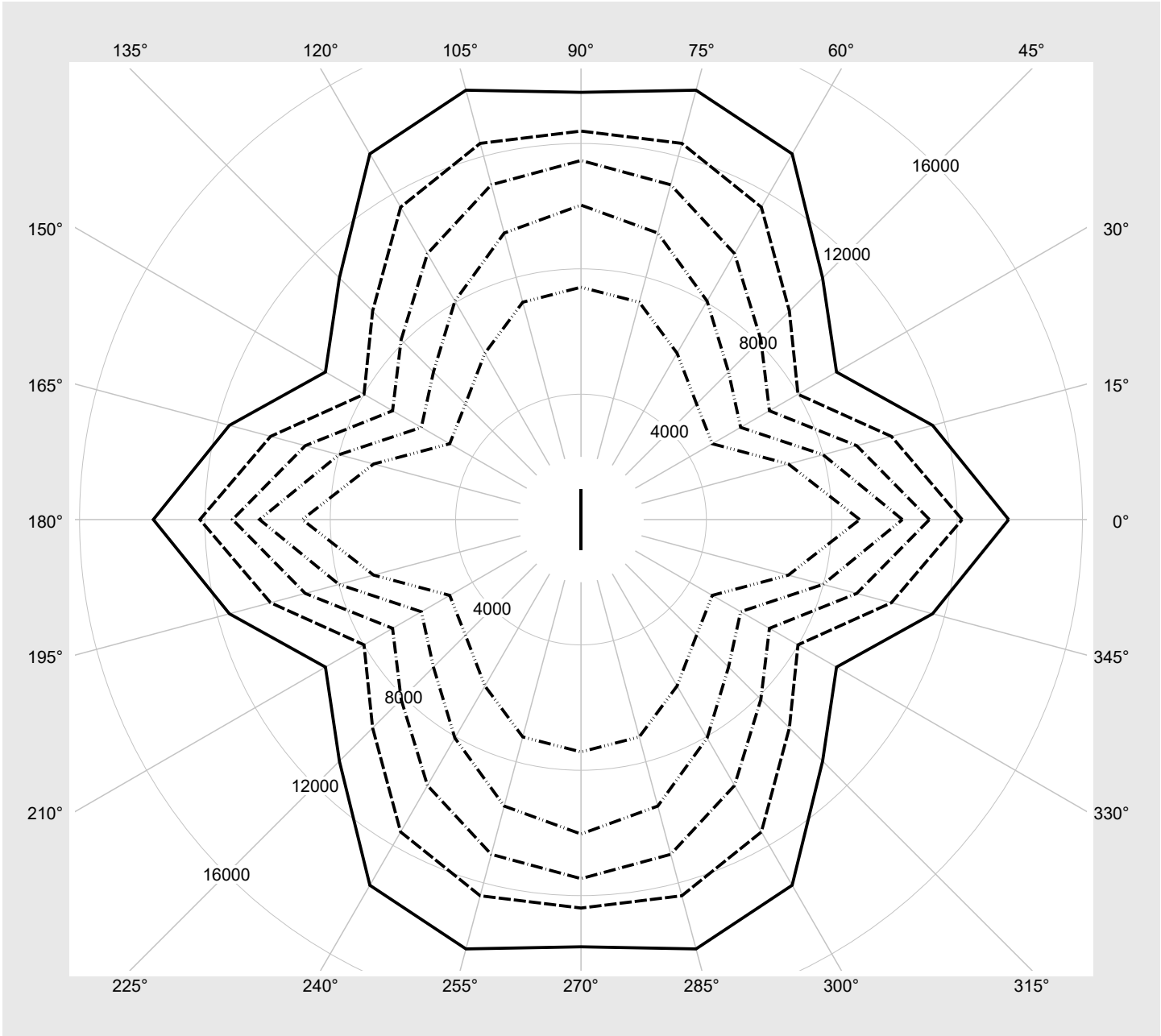
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

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°		34316.4	31362.2	27499.6	26789.3	28458.6	28912.7	27476.5
50°		25776.1	22829.4	19391.9	20028.2	22902.1	25075.8	23222.4
55°		19812.6	17199.7	14419.2	15732.4	18927.4	20832.0	18922.6
60°		16023.9	13755.0	11358.5	12916.2	15887.7	16938.0	15713.3
65°		13646.2	11614.6	9415.3	10901.9	13474.7	14184.0	13633.1
70°		12160.6	10253.7	7995.1	9402.9	11510.4	12427.9	12396.5
75°		11119.0	9108.1	6942.4	8116.4	9798.4	11059.6	11458.2
80°		10255.7	7995.4	5882.3	6658.0	8048.9	9465.3	10034.5
85°		8894.0	6850.5	4837.5	5216.0	6131.7	7180.7	7414.4

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN395G EAN: 4058352971291	LP number 59101_351
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DN395G EAN: 4058352971291	LP number 59101_351
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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	9630	58.0
95	240	252	9147	54.8
90	226	250	8658	51.5
85	213	248	8198	48.7
80	199	245	7698	45.5
75	186	243	7226	42.6
70	173	240	6751	39.6
65	160	237	6273	36.8
60	147	234	5789	33.9
55	134	231	5300	31.0
50	121	227	4804	28.2
45	109	223	4344	25.5
40	96	218	3840	22.7
35	84	213	3373	20.1
30	72	208	2899	17.5
25	60	201	2422	15.0
20	48	193	1941	12.3
15	36	182	1457	9.7
10	24	168	970	7.2
5	12	142	479	4.6
2	4	102	149	3.0