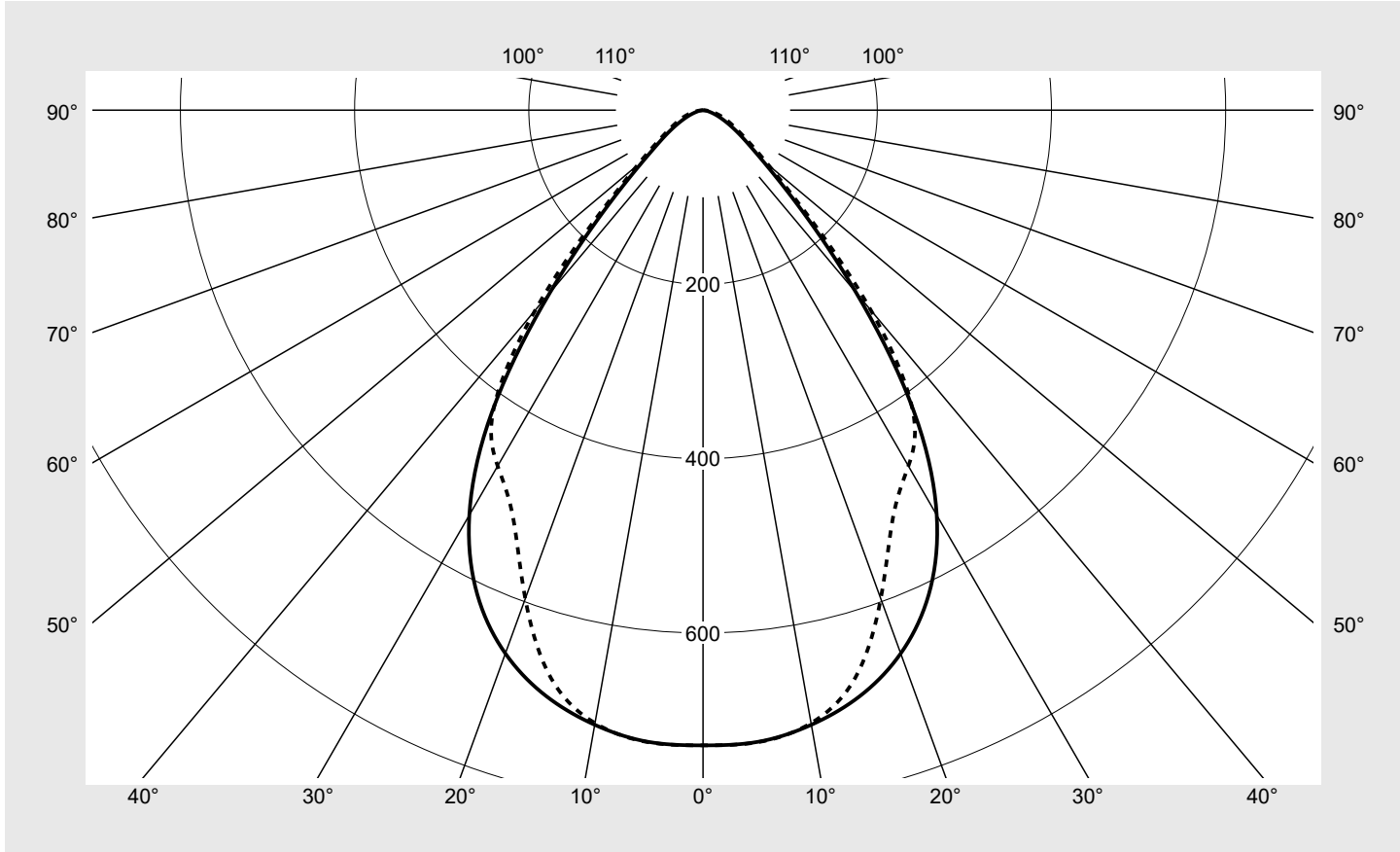


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18VN465G EAN: 4058352979600	LP number 59103_293
	Version cover frosted, medium distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI CLO Rated values Net luminous flux = 6500 lm Power consumption = 36.8 W Luminous efficacy = 176.6 lm/W	serial documentation 07.11.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 729 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=79 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

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18VN465G EAN: 4058352979600	LP number 59103_293
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°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	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: 52TL18VN465G EAN: 4058352979600	LP number 59103_293
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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	18.7	20.1	19.1	20.4	20.7	19.4	20.7	19.7	21.1	21.4
	3H	18.9	20.1	19.3	20.4	20.8	19.8	21.0	20.1	21.3	21.6
	4H	18.9	20.0	19.3	20.4	20.7	19.9	21.0	20.3	21.4	21.8
	6H	18.9	19.9	19.3	20.3	20.7	20.1	21.0	20.5	21.4	21.8
	8H	19.0	19.9	19.4	20.2	20.6	20.2	21.0	20.6	21.4	21.8
	12H	19.0	19.8	19.4	20.2	20.6	20.2	21.0	20.6	21.4	21.8
4H	2H	18.9	20.0	19.3	20.3	20.7	19.5	20.6	19.9	20.9	21.3
	3H	19.1	20.0	19.6	20.4	20.9	20.0	20.9	20.4	21.3	21.7
	4H	19.2	20.0	19.6	20.4	20.8	20.3	21.1	20.7	21.5	21.9
	6H	19.2	19.9	19.7	20.3	20.8	20.5	21.2	20.9	21.6	22.1
	8H	19.2	19.8	19.7	20.3	20.8	20.5	21.1	21.0	21.6	22.1
	12H	19.2	19.8	19.7	20.2	20.7	20.6	21.1	21.1	21.6	22.1
8H	4H	19.3	19.9	19.7	20.3	20.8	20.3	20.9	20.8	21.4	21.8
	6H	19.3	19.8	19.8	20.3	20.8	20.6	21.1	21.0	21.5	22.0
	8H	19.3	19.7	19.8	20.2	20.8	20.6	21.1	21.1	21.6	22.1
	12H	19.3	19.7	19.8	20.2	20.7	20.7	21.1	21.2	21.6	22.1
12H	4H	19.3	19.8	19.8	20.3	20.8	20.3	20.8	20.8	21.3	21.8
	6H	19.3	19.7	19.8	20.2	20.8	20.6	21.0	21.1	21.5	22.0
	8H	19.3	19.7	19.9	20.2	20.7	20.7	21.0	21.2	21.5	22.1

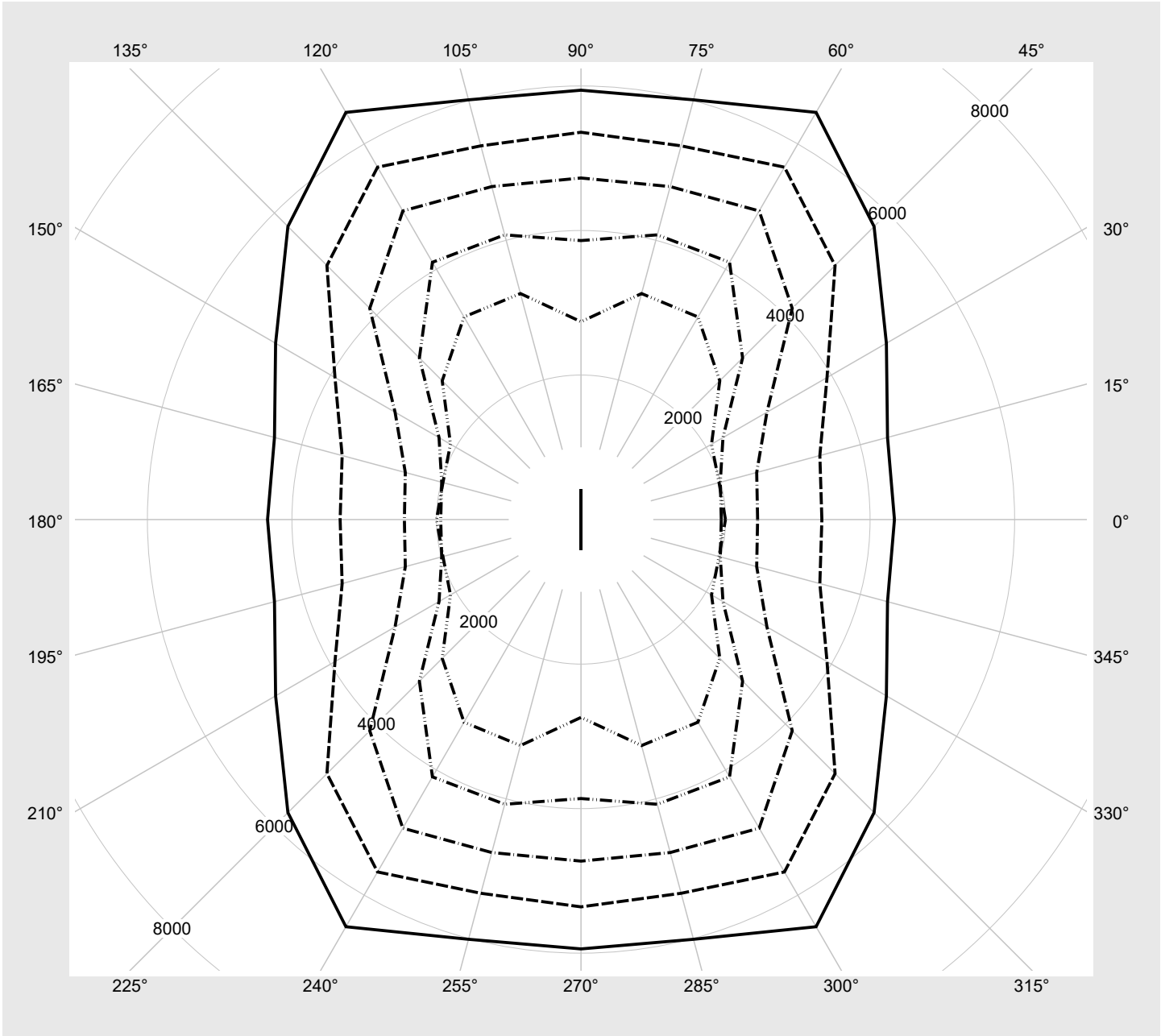
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		16207.8	15634.7	13966.2	15463.3	17391.5	17739.6	17712.9	
50°		10128.6	9996.0	10275.9	11089.0	12264.5	11852.0	11430.7	
55°		7355.9	7187.5	7577.1	9019.8	9729.7	8927.5	8412.3	
60°		5643.2	5582.7	5912.2	6904.3	7824.8	7097.6	6824.9	
65°		4337.4	4391.2	4879.6	5735.4	6506.2	6013.3	5941.6	
70°		3333.0	3421.7	3931.1	4972.0	5630.9	5354.1	5359.6	
75°		2443.9	2516.9	2970.7	4134.0	4931.3	4770.5	4726.6	
80°		1941.3	1995.5	2268.3	3162.4	4111.5	4078.8	3860.7	
85°		1999.1	1977.6	2085.6	2715.7	3237.8	3237.8	2738.0	

Photometric test report

Family Licross® 21 Recessed	Order number: 52TL18VN465G EAN: 4058352979600	LP number 59103_293
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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: 52TL18VN465G EAN: 4058352979600	LP number 59103_293
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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	6500	36.8	43.6	40.2
95	241	252	6184	35.0	41.5	38.2
90	227	250	5841	33.0	39.1	36.0
85	214	248	5522	31.3	37.0	34.2
80	201	245	5198	29.4	34.8	32.1
75	188	243	4873	27.6	32.6	30.1
70	175	240	4548	25.8	30.4	28.1
65	162	238	4220	24.1	28.4	26.2
60	149	234	3888	22.3	26.2	24.2
55	137	231	3583	20.6	24.2	22.4
50	124	228	3248	18.9	22.1	20.5
45	111	224	2914	17.1	20.0	18.6
40	99	219	2602	15.5	18.0	16.8
35	86	214	2263	13.7	15.9	14.8
30	74	209	1950	12.0	14.0	13.0
25	62	202	1634	10.4	12.0	11.2
20	49	194	1290	8.7	9.9	9.3
15	37	183	973	7.0	8.0	7.5
10	25	169	653	5.4	6.1	5.8
5	13	145	334	3.8	4.1	4.0
2	6	117	145	2.9	3.0	3.0