
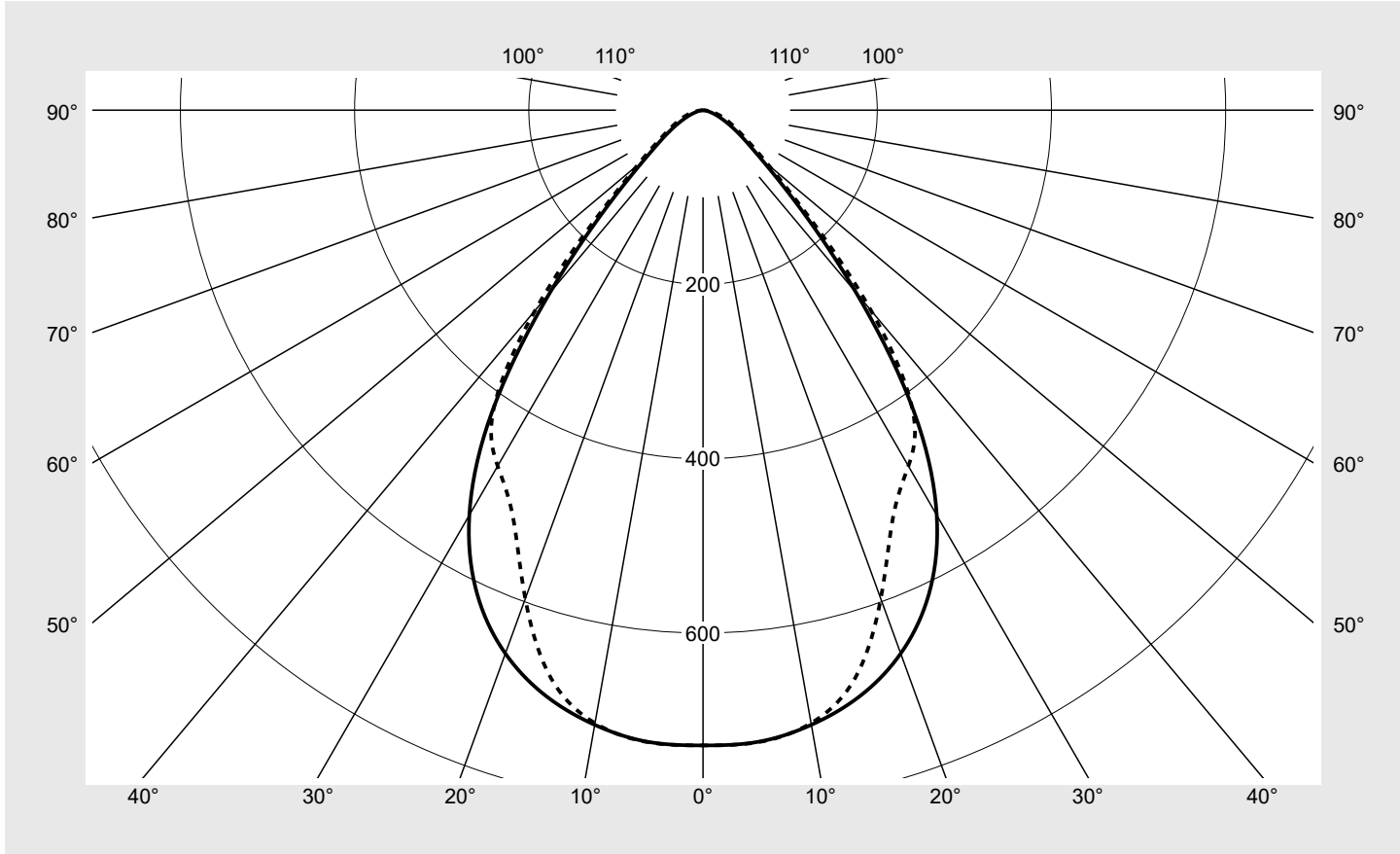


Photometric test report

Family Licross® 21 Recessed	Order number: 52TE18DN495G EAN: 4058352889886	LP number 59103_243
	Version cover frosted, medium distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9990 lm Power consumption = 58.0 W Luminous efficacy = 172.2 lm/W	serial documentation 03.08.2023
		

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: 52TE18DN495G EAN: 4058352889886	LP number 59103_243
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: 52TE18DN495G EAN: 4058352889886	LP number 59103_243
---------------------------------------	--	-------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	20.2	21.6	20.6	21.9	22.2	20.9	22.2	21.2	22.5	22.9
	3H	20.4	21.6	20.8	21.9	22.3	21.3	22.5	21.6	22.8	23.1
	4H	20.4	21.5	20.8	21.9	22.2	21.4	22.5	21.8	22.9	23.3
	6H	20.4	21.4	20.8	21.8	22.2	21.5	22.5	22.0	22.9	23.3
	8H	20.5	21.3	20.9	21.7	22.1	21.6	22.5	22.1	22.9	23.3
	12H	20.5	21.3	20.9	21.7	22.1	21.6	22.5	22.1	22.9	23.3
4H	2H	20.4	21.5	20.8	21.8	22.2	21.0	22.1	21.4	22.4	22.8
	3H	20.6	21.5	21.0	21.9	22.3	21.5	22.4	21.9	22.8	23.2
	4H	20.7	21.5	21.1	21.9	22.3	21.8	22.6	22.2	23.0	23.4
	6H	20.7	21.4	21.2	21.8	22.3	22.0	22.7	22.4	23.1	23.6
	8H	20.7	21.3	21.2	21.8	22.2	22.0	22.6	22.5	23.1	23.6
	12H	20.7	21.2	21.2	21.7	22.2	22.1	22.6	22.6	23.1	23.6
8H	4H	20.7	21.4	21.2	21.8	22.3	21.8	22.4	22.3	22.9	23.3
	6H	20.8	21.3	21.3	21.8	22.3	22.0	22.6	22.5	23.0	23.5
	8H	20.8	21.2	21.3	21.7	22.3	22.1	22.6	22.6	23.1	23.6
	12H	20.8	21.2	21.3	21.7	22.2	22.2	22.6	22.7	23.1	23.6
12H	4H	20.8	21.3	21.3	21.8	22.3	21.8	22.3	22.3	22.8	23.3
	6H	20.8	21.2	21.3	21.7	22.3	22.0	22.5	22.6	23.0	23.5
	8H	20.8	21.2	21.3	21.7	22.2	22.1	22.5	22.7	23.0	23.6

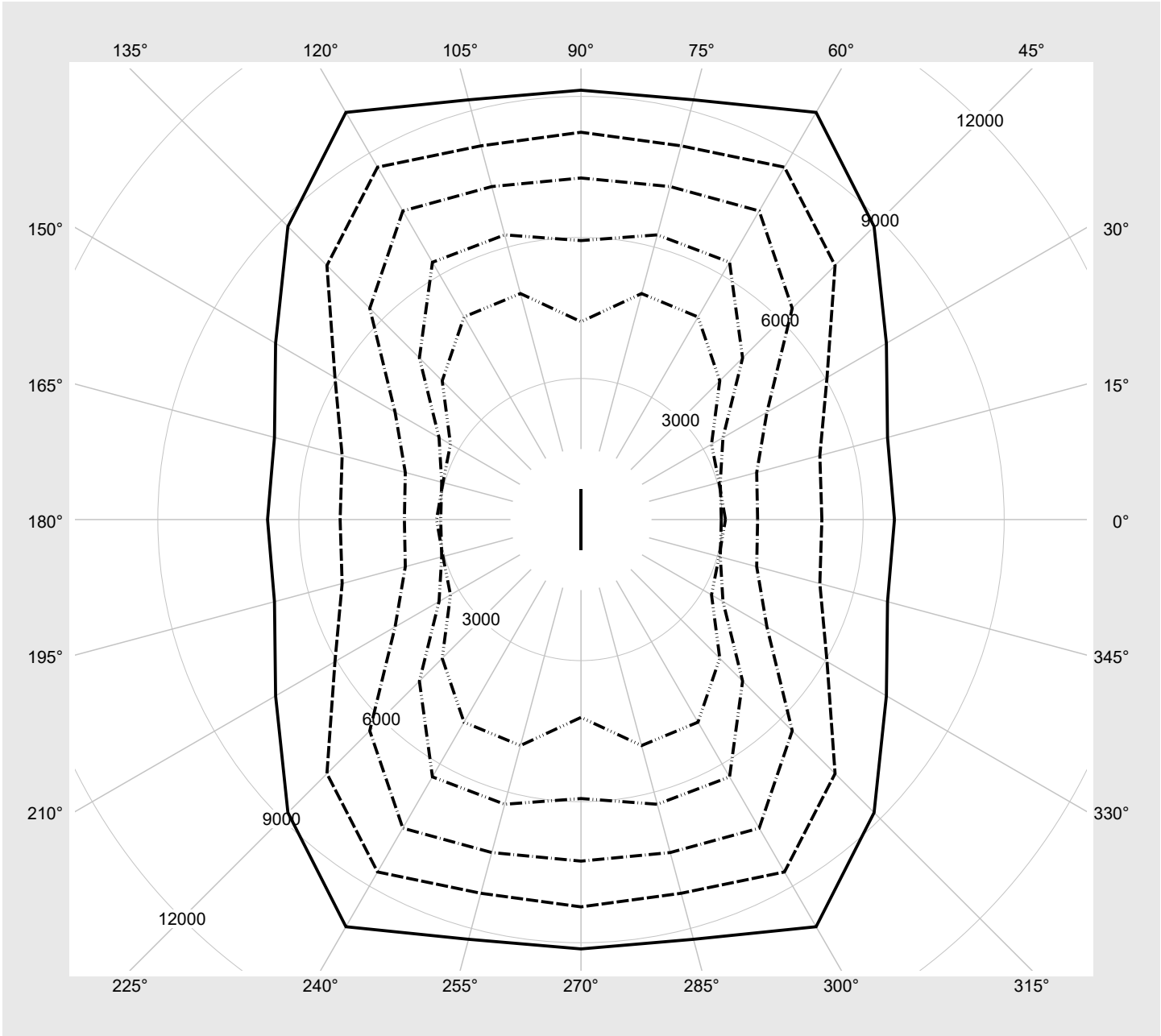
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

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°		24910.1	24029.3	21465.0	23765.9	26729.4	27264.4	27223.3	
50°		15566.9	15363.0	15793.2	17043.0	18849.6	18215.6	17568.2	
55°		11305.5	11046.6	11645.4	13862.8	14953.8	13720.8	12929.0	
60°		8673.2	8580.1	9086.5	10611.4	12026.1	10908.4	10489.3	
65°		6666.3	6748.9	7499.6	8814.9	9999.6	9242.1	9131.7	
70°		5122.6	5258.9	6041.9	7641.6	8654.2	8228.8	8237.2	
75°		3756.0	3868.3	4565.7	6353.7	7579.0	7331.9	7264.5	
80°		2983.6	3067.0	3486.2	4860.3	6319.1	6268.8	5933.5	
85°		3072.4	3039.5	3205.5	4173.8	4976.2	4976.2	4208.1	

Photometric test report

Family Licross® 21 Recessed	Order number: 52TE18DN495G EAN: 4058352889886	LP number 59103_243
--	--	--------------------------------------

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: 52TE18DN495G EAN: 4058352889886	LP number 59103_243
---------------------------------------	--	--------------------------------------

Dimming levels table	environmental temperature: 25°C	sITeco
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	9990	58.0
95	240	252	9487	54.8
90	226	250	8978	51.5
85	213	248	8499	48.7
80	199	245	7979	45.5
75	186	243	7488	42.6
70	173	240	6995	39.6
65	160	237	6498	36.8
60	147	234	5996	33.9
55	134	231	5488	31.0
50	122	227	5013	28.4
45	109	223	4496	25.5
40	97	219	4016	22.9
35	84	213	3489	20.1
30	72	208	2999	17.5
25	60	201	2505	15.0
20	48	193	2007	12.3
15	36	182	1507	9.7
10	24	168	1002	7.2
5	12	142	495	4.6
2	4	102	154	3.0