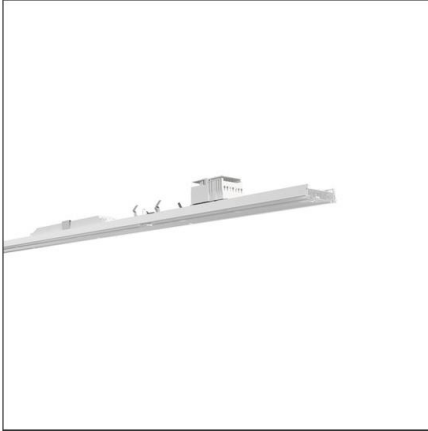


Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL12DND75F
EAN: 4058352453995

LP number
59101_6



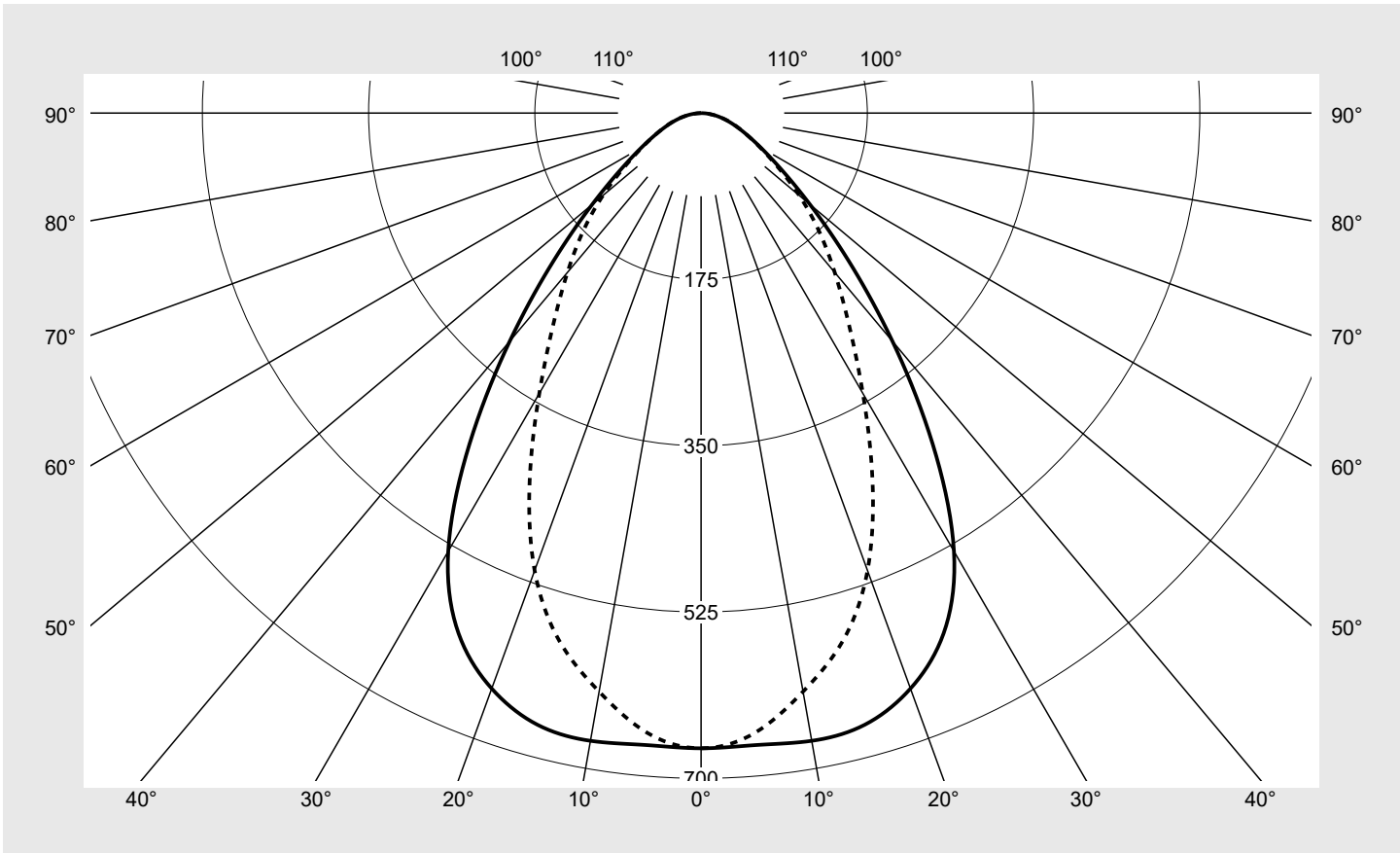
Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 90
Controlgear ECG-DALI
Rated values Net luminous flux = 7960 lm
 Power consumption = 61.1 W
 Luminous efficacy = 130.3 lm/W

serial
documentation
07.12.2020

sitEco

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: 52TL12DND75F EAN: 4058352453995	LP number 59101_6
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°	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: 52TL12DND75F EAN: 4058352453995	LP number 59101_6
---------------------------------------	--	-----------------------------

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	21.0	22.4	21.3	22.7	23.0	20.9	22.3	21.3	22.6	23.0
	3H	21.5	22.8	21.9	23.1	23.5	21.7	22.9	22.1	23.3	23.6
	4H	21.8	23.0	22.2	23.3	23.7	22.0	23.2	22.4	23.5	23.9
	6H	22.1	23.1	22.5	23.5	23.9	22.3	23.3	22.7	23.7	24.1
	8H	22.3	23.2	22.7	23.6	24.0	22.4	23.4	22.8	23.8	24.2
	12H	22.3	23.2	22.7	23.6	24.0	22.5	23.4	22.9	23.7	24.2
4H	2H	21.1	22.3	21.5	22.7	23.0	21.1	22.3	21.5	22.6	23.0
	3H	21.8	22.8	22.2	23.2	23.6	22.0	23.0	22.5	23.4	23.8
	4H	22.1	23.0	22.6	23.4	23.8	22.5	23.4	22.9	23.8	24.2
	6H	22.4	23.2	22.9	23.6	24.1	22.8	23.6	23.3	24.0	24.5
	8H	22.6	23.3	23.1	23.7	24.2	23.0	23.7	23.4	24.1	24.6
	12H	22.7	23.3	23.2	23.8	24.3	23.1	23.7	23.6	24.1	24.6
8H	4H	22.2	22.9	22.7	23.3	23.8	22.5	23.2	23.0	23.7	24.1
	6H	22.6	23.1	23.1	23.6	24.1	23.0	23.5	23.5	24.0	24.5
	8H	22.7	23.2	23.2	23.7	24.2	23.1	23.6	23.6	24.1	24.6
	12H	22.9	23.3	23.4	23.8	24.3	23.3	23.7	23.8	24.2	24.7
12H	4H	22.2	22.8	22.7	23.3	23.8	22.6	23.1	23.1	23.6	24.1
	6H	22.6	23.0	23.1	23.5	24.1	23.0	23.5	23.5	23.9	24.5
	8H	22.7	23.1	23.3	23.7	24.2	23.2	23.6	23.7	24.1	24.6

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°		28365.4	25923.5	22730.8	22143.6	23523.4	23898.8	22711.6	
50°		21306.1	18870.4	16029.0	16555.0	18930.5	20727.2	19195.2	
55°		16376.8	14217.0	11918.7	13004.2	15645.1	17219.4	15641.1	
60°		13245.1	11369.6	9388.8	10676.3	13132.5	14000.6	12988.3	
65°		11279.8	9600.4	7782.5	9011.3	11138.0	11724.2	11268.9	
70°		10051.7	8475.6	6608.6	7772.3	9514.3	10272.7	10246.8	
75°		9190.8	7528.6	5738.5	6708.8	8099.2	9141.7	9471.2	
80°		8477.2	6608.8	4862.2	5503.4	6653.1	7823.9	8294.4	
85°		7351.6	5662.5	3998.6	4311.4	5068.3	5935.4	6128.6	

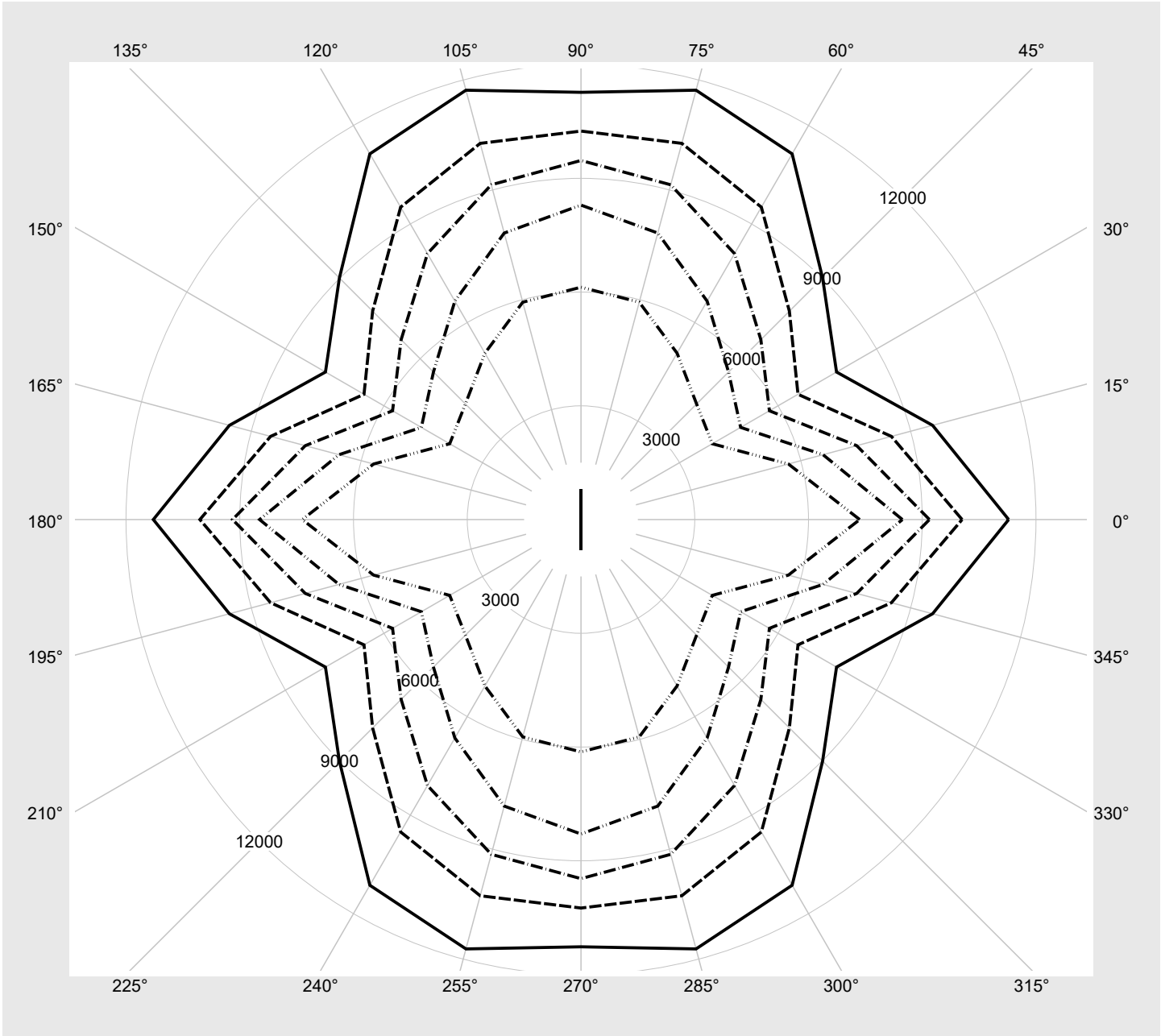
Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DND75F EAN: 4058352453995	LP number 59101_6
--	--	------------------------------------

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: 52TL12DND75F EAN: 4058352453995	LP number 59101_6
---------------------------------------	--	-----------------------------

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	7960	61.1
95	240	252	7575	57.6
90	225	250	7155	53.9
85	211	247	6754	50.4
80	198	245	6377	47.2
75	184	242	5964	43.8
70	171	240	5572	40.7
65	158	237	5179	37.5
60	145	233	4776	34.4
55	132	230	4370	31.5
50	120	227	3990	28.6
45	107	222	3575	25.6
40	95	218	3187	22.9
35	83	213	2794	20.2
30	71	207	2398	17.5
25	59	201	1997	14.8
20	47	192	1594	12.1
15	35	181	1185	9.4
10	24	168	808	6.9
5	12	142	392	4.4
1	4	102	113	2.6