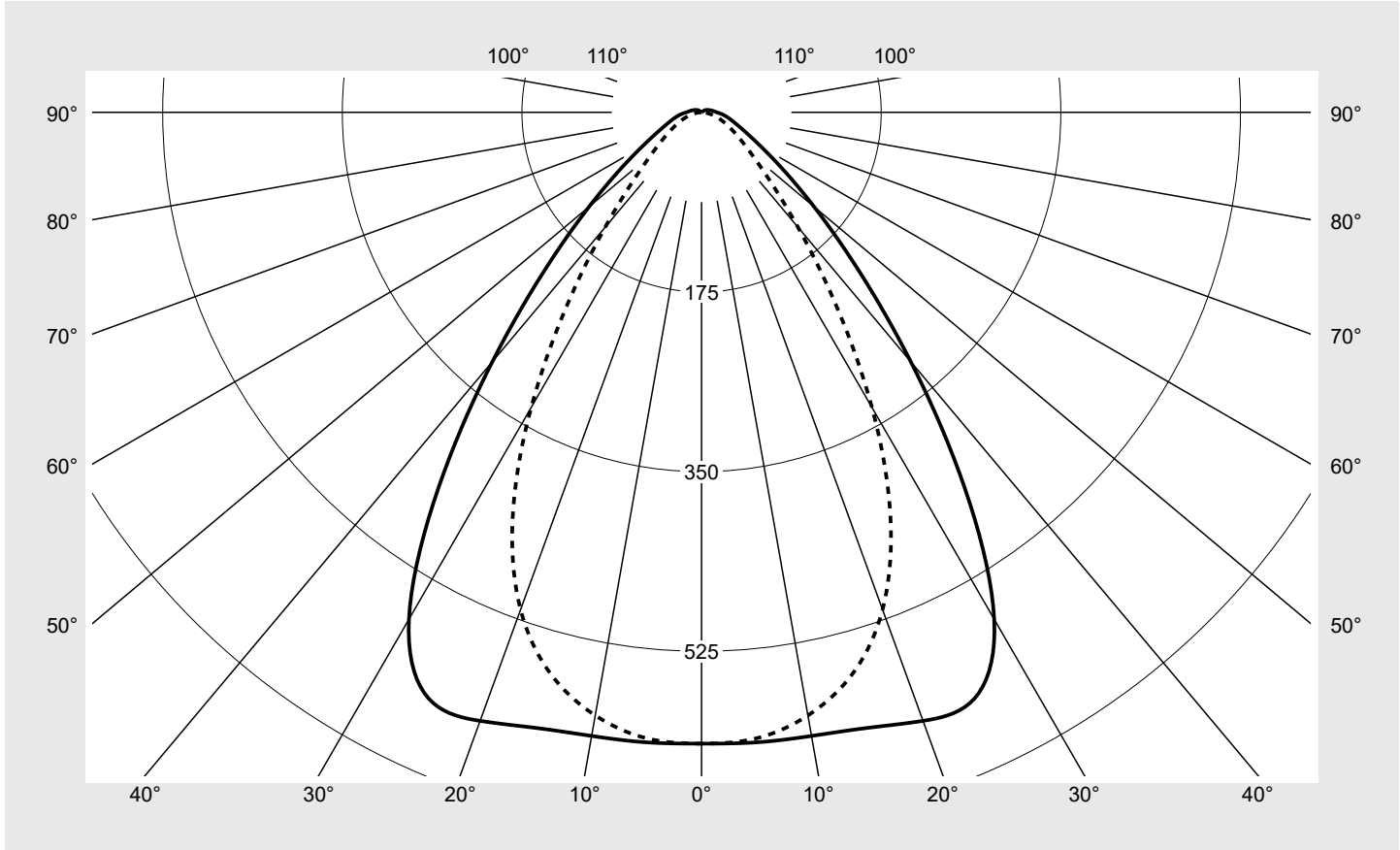


Photometric test report

Family Licross® 21 Protected	Order number: 52TD12DND75F EAN: 4058352455012	LP number 58524_52
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 90 Controlgear ECG-DALI Rated values Net luminous flux = 7710 lm Power consumption = 61.0 W Luminous efficacy = 126.4 lm/W	serial documentation 08.12.2020
		

Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 631 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=73 N2=92 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.6%
ϕ_o	1.4%

Measurement conditions
 DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Protected	Order number: 52TD12DND75F EAN: 4058352455012	LP number 58524_52
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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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 Protected	Order number: 52TD12DND75F EAN: 4058352455012	LP number 58524_52
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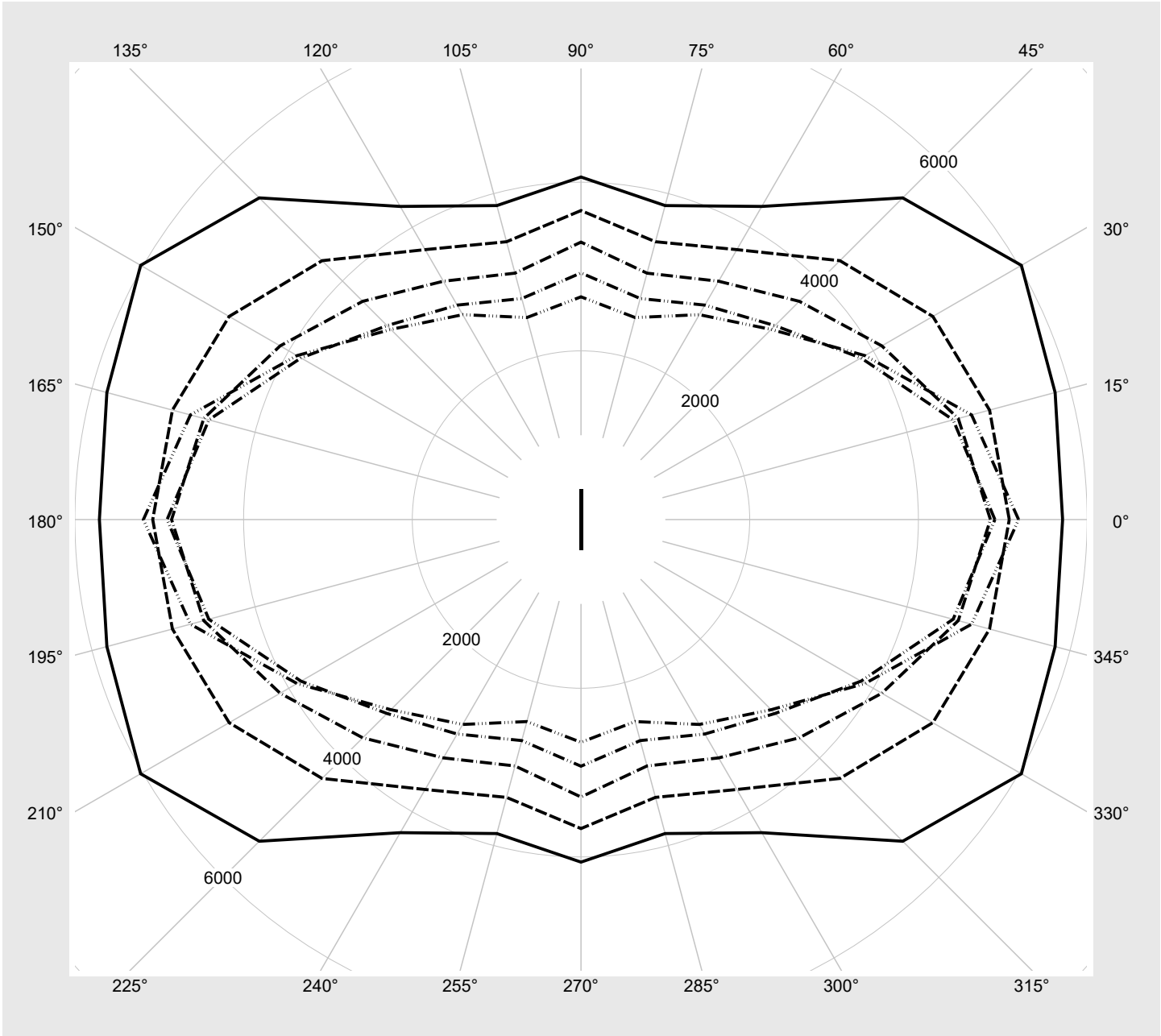
UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	20.4	21.8	20.7	22.1	22.4	17.1	18.5	17.5	18.8	19.2
	3H	20.8	22.0	21.2	22.4	22.7	17.5	18.7	17.8	19.1	19.4
	4H	21.0	22.2	21.4	22.5	22.9	17.6	18.8	18.0	19.2	19.5
	6H	21.3	22.4	21.7	22.7	23.1	17.7	18.8	18.1	19.2	19.6
	8H	21.6	22.5	22.0	22.8	23.2	17.8	18.8	18.2	19.2	19.6
	12H	21.7	22.6	22.1	23.0	23.4	17.8	18.8	18.3	19.2	19.6
4H	2H	20.4	21.6	20.8	22.0	22.3	17.6	18.8	18.0	19.1	19.5
	3H	21.0	22.0	21.4	22.4	22.8	18.1	19.1	18.5	19.5	19.9
	4H	21.3	22.2	21.7	22.6	23.0	18.3	19.2	18.8	19.6	20.1
	6H	21.7	22.5	22.2	22.9	23.4	18.5	19.3	19.0	19.7	20.2
	8H	22.0	22.6	22.4	23.1	23.6	18.6	19.3	19.1	19.7	20.2
	12H	22.3	22.8	22.7	23.3	23.8	18.7	19.3	19.2	19.7	20.2
8H	4H	21.3	22.0	21.8	22.5	22.9	18.6	19.2	19.0	19.7	20.2
	6H	21.8	22.4	22.3	22.9	23.4	18.8	19.4	19.3	19.9	20.4
	8H	22.1	22.6	22.6	23.1	23.6	19.0	19.5	19.5	19.9	20.5
	12H	22.5	22.9	23.0	23.4	24.0	19.1	19.5	19.6	20.0	20.5
12H	4H	21.3	21.9	21.8	22.4	22.9	18.6	19.2	19.1	19.7	20.2
	6H	21.8	22.3	22.3	22.8	23.3	19.0	19.4	19.5	19.9	20.4
	8H	22.2	22.6	22.7	23.1	23.6	19.1	19.5	19.6	20.0	20.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1480	H(C0) = 13	H(C180) = 13
						B = 78	H(C90) = 0	H(C270) = 0
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°		17319.8	18407.5	20147.3	18139.1	12875.5	9563.4	8881.9
50°		12401.4	13251.6	14800.1	13195.9	9234.9	6994.1	6656.0
55°		9081.8	9662.8	10799.9	9478.0	6743.4	5447.4	5392.0
60°		6949.0	7269.1	7931.5	7030.9	5223.9	4479.1	4603.2
65°		5709.6	5819.2	6028.4	5393.6	4286.6	3854.0	4061.3
70°		5077.3	5014.6	4816.6	4340.8	3695.4	3410.1	3663.6
75°		4853.9	4630.3	4118.6	3659.5	3262.9	3024.4	3289.3
80°		4906.9	4567.5	3832.7	3251.7	2935.9	2712.9	2924.2
85°		5187.9	4793.8	3887.7	3188.3	2805.0	2479.5	2640.7

Photometric test report

Family Licross® 21 Protected	Order number: 52TD12DND75F EAN: 4058352455012	LP number 58524_52
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

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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	7710	61.0
95	239	252	7312	57.3
90	225	250	6933	53.8
85	211	247	6546	50.4
80	198	245	6182	47.2
75	184	242	5783	43.8
70	171	240	5403	40.7
65	158	237	5023	37.5
60	145	233	4633	34.4
55	132	230	4239	31.5
50	119	226	3841	28.4
45	107	222	3469	25.6
40	95	218	3092	22.8
35	83	213	2712	20.2
30	71	207	2327	17.4
25	59	201	1939	14.8
20	47	192	1548	12.1
15	35	181	1151	9.4
10	24	168	785	6.9
5	12	142	381	4.4
1	4	102	110	2.6