

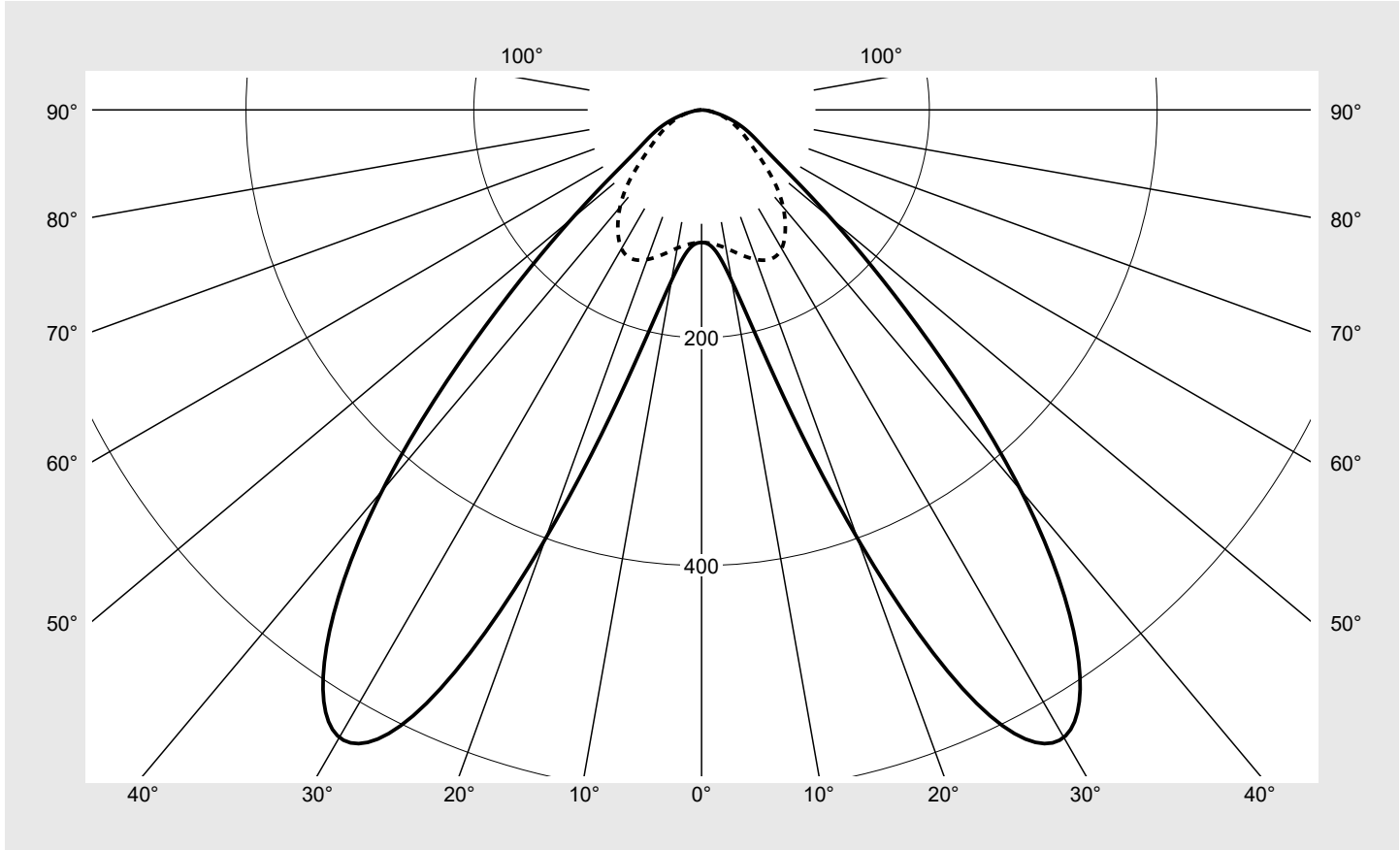


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL19DND75F EAN: 4058352454442	LP number 58532_37
	Version cover frosted, double asymmetric distribution Lamps LED 4000 K CRI ≥ 90 Controlgear ECG-DALI	serial documentation 08.12.2020
	Rated values Net luminous flux = 7630 lm Power consumption = 61.1 W Luminous efficacy = 124.9 lm/W	

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 703 cd/klm**



Classifications	
DIN 5040	A 4 0
CIE	N1=55 N2=89 N3=98 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

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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°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.1	1000.0
90°	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

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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	24.2	25.8	24.6	26.1	26.5	23.0	24.7	23.4	25.0	25.3
	3H	24.4	25.8	24.8	26.1	26.5	23.3	24.8	23.7	25.1	25.5
	4H	24.4	25.8	24.8	26.1	26.5	23.4	24.8	23.8	25.1	25.5
	6H	24.4	25.7	24.9	26.0	26.4	23.4	24.7	23.8	25.1	25.5
	8H	24.5	25.6	24.9	26.0	26.4	23.4	24.7	23.8	25.0	25.4
	12H	24.5	25.5	24.9	25.9	26.3	23.4	24.6	23.8	25.0	25.4
4H	2H	24.6	26.0	25.0	26.3	26.7	23.7	25.1	24.1	25.4	25.8
	3H	24.9	26.0	25.3	26.4	26.8	24.5	25.6	24.9	26.0	26.4
	4H	25.0	26.0	25.4	26.4	26.8	24.7	25.7	25.2	26.1	26.6
	6H	25.0	25.9	25.5	26.3	26.8	24.8	25.7	25.3	26.2	26.6
	8H	25.0	25.8	25.5	26.3	26.7	24.8	25.7	25.3	26.1	26.6
	12H	25.0	25.7	25.5	26.2	26.7	24.8	25.6	25.3	26.1	26.6
8H	4H	25.1	25.9	25.6	26.4	26.9	24.9	25.7	25.4	26.2	26.6
	6H	25.2	25.9	25.7	26.3	26.8	25.2	25.9	25.7	26.4	26.9
	8H	25.2	25.8	25.7	26.3	26.8	25.3	25.9	25.8	26.4	26.9
	12H	25.2	25.7	25.7	26.2	26.8	25.3	25.8	25.8	26.3	26.9
12H	4H	25.1	25.9	25.6	26.3	26.8	24.9	25.6	25.4	26.1	26.6
	6H	25.2	25.8	25.7	26.3	26.8	25.3	25.8	25.8	26.3	26.8
	8H	25.3	25.8	25.8	26.3	26.8	25.4	25.9	25.9	26.4	26.9

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°		33322.0	37178.6	56930.7	75057.7	41421.4	15194.9	11309.6
50°		20338.2	22967.8	37728.9	57272.6	35381.3	13291.3	9411.1
55°		13048.5	14601.3	23121.7	37602.8	30533.7	12118.3	8113.5
60°		10400.3	11181.5	15437.0	24287.4	26779.5	11409.4	7385.3
65°		9316.3	9763.3	12617.5	17620.6	22976.7	10660.6	6839.2
70°		8138.8	8485.2	10907.1	14423.9	19573.6	9853.0	6329.2
75°		6440.2	6818.0	8818.6	11831.7	16814.5	8918.2	5757.4
80°		4437.9	4722.7	6411.1	9203.5	13632.3	7685.9	4967.2
85°		3468.6	3618.5	4687.1	6794.3	9606.7	5894.7	3767.4

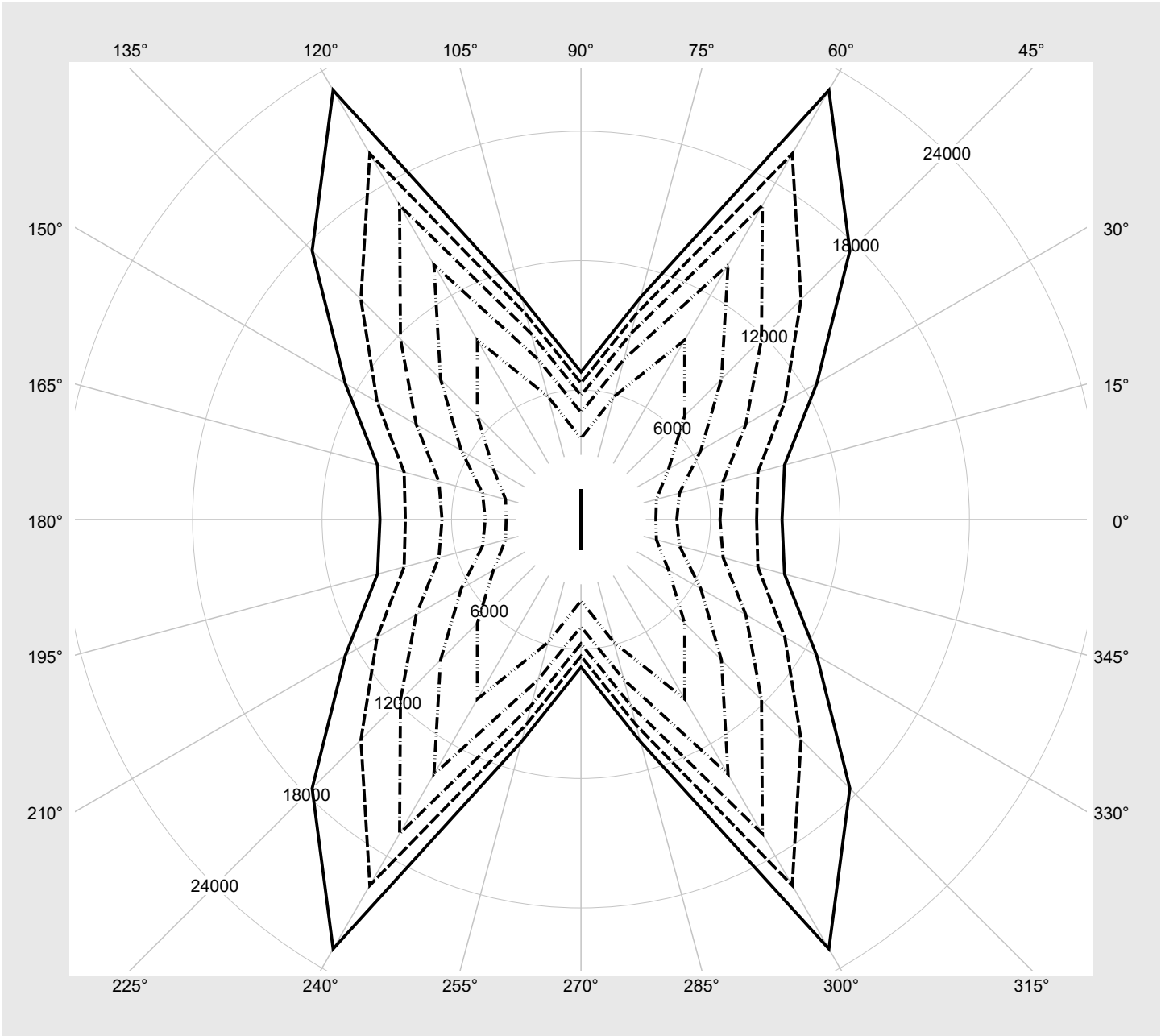
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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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	7630	61.1
95	240	252	7261	57.6
90	225	250	6858	53.9
85	211	247	6474	50.4
80	198	245	6112	47.2
75	184	242	5717	43.8
70	171	240	5342	40.7
65	158	237	4964	37.5
60	145	233	4578	34.4
55	132	230	4189	31.5
50	120	227	3825	28.6
45	107	222	3427	25.6
40	95	218	3055	22.9
35	83	213	2679	20.2
30	71	207	2298	17.5
25	59	201	1914	14.8
20	47	192	1528	12.1
15	35	181	1136	9.4
10	24	168	775	7.0
5	12	142	376	4.4
1	4	102	109	2.6