
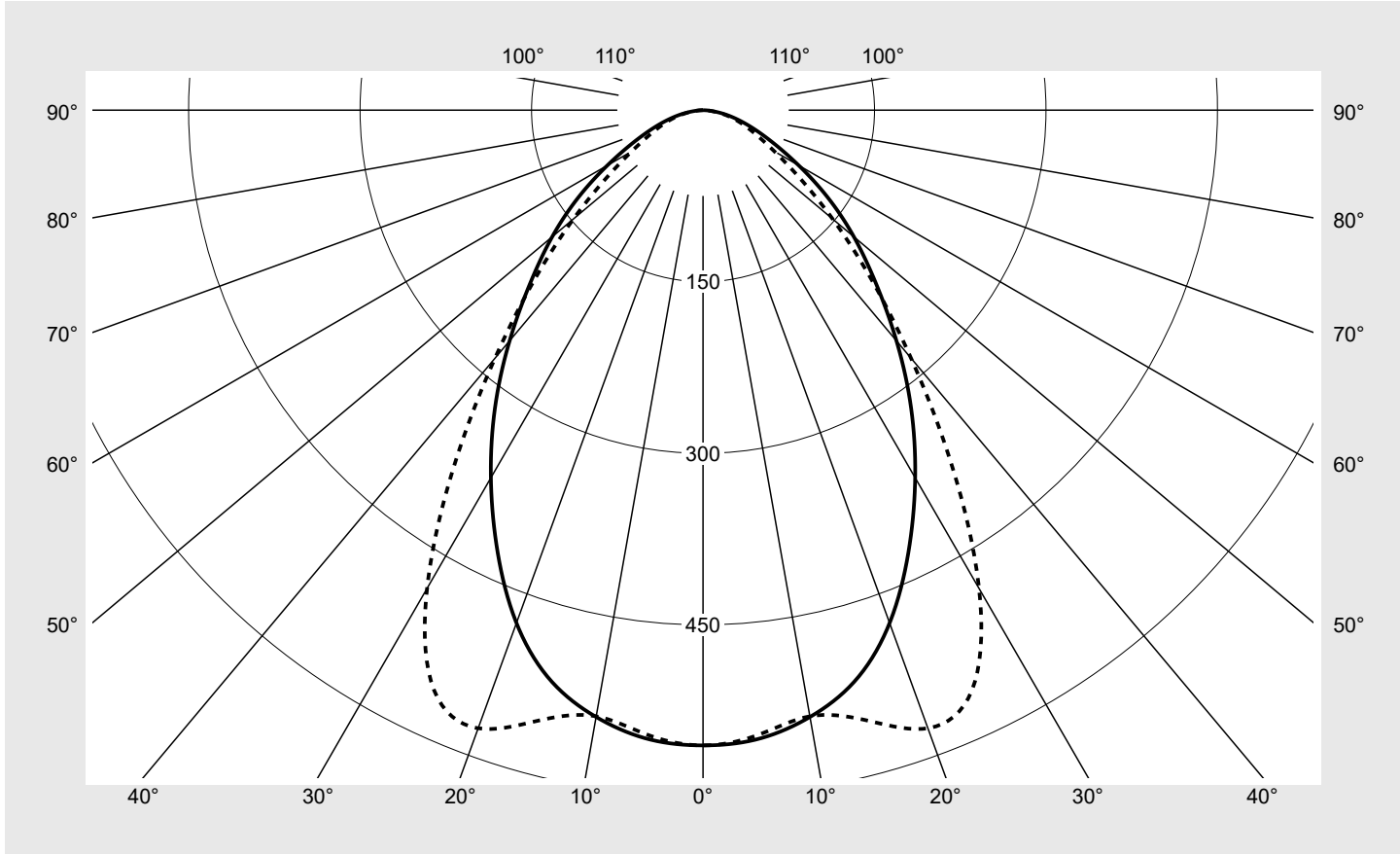


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12DE47XM EAN: 4058352929605	LP number 58689_103
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 7020 lm Power consumption = 40.2 W Luminous efficacy = 174.6 lm/W	serial documentation 21.09.2023



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 575 cd/klm**



Classifications	
DIN 5040	A 5 0
CIE	N1=66 N2=91 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°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	3.3	3.3
5°	551.9	549.3	545.0	546.0	548.1	548.0	548.5	26.2	29.5
10°	538.7	535.0	528.7	529.1	532.7	535.9	538.2	50.8	80.3
15°	515.9	510.9	504.6	513.1	530.5	544.7	552.3	74.2	154.5
20°	477.2	471.4	470.1	497.6	537.0	563.7	575.1	95.8	250.2
25°	425.5	419.5	426.9	469.4	521.2	548.6	558.0	111.1	361.3
30°	371.2	364.3	378.4	421.3	459.9	477.2	482.9	115.5	476.8
35°	317.2	309.8	328.6	357.7	367.8	374.7	379.7	109.4	586.2
40°	263.2	255.5	280.4	291.4	277.2	277.7	283.1	97.2	683.4
45°	213.7	204.0	230.1	230.5	202.8	200.2	207.0	82.5	765.9
50°	172.3	160.2	177.2	176.6	149.6	143.3	148.0	67.7	833.6
55°	133.3	121.6	126.4	129.1	111.8	101.0	103.0	53.0	886.6
60°	96.7	87.9	85.2	90.2	83.1	71.0	72.1	39.7	926.3
65°	67.7	61.0	56.3	61.1	60.5	50.8	52.1	29.0	955.3
70°	46.9	41.7	36.5	40.2	42.1	36.4	38.1	20.6	975.8
75°	30.9	26.7	22.6	25.0	27.1	24.7	26.6	13.7	989.5
80°	17.8	14.8	12.0	13.1	14.7	14.1	15.6	7.7	997.1
85°	6.6	5.4	4.4	4.8	5.3	5.4	5.9	2.9	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	24.1	25.6	24.4	25.9	26.2	23.5	25.0	23.9	25.3	25.6
	3H	24.8	26.1	25.2	26.5	26.8	24.1	25.4	24.5	25.8	26.1
	4H	25.1	26.3	25.5	26.7	27.0	24.4	25.6	24.8	26.0	26.3
	6H	25.3	26.4	25.7	26.8	27.2	24.6	25.7	25.0	26.1	26.5
	8H	25.4	26.5	25.9	26.8	27.2	24.7	25.7	25.1	26.1	26.5
	12H	25.5	26.4	25.9	26.8	27.2	24.7	25.7	25.2	26.1	26.5
4H	2H	24.4	25.6	24.8	26.0	26.3	24.0	25.2	24.4	25.5	25.9
	3H	25.2	26.2	25.6	26.6	27.0	24.7	25.8	25.2	26.1	26.6
	4H	25.6	26.5	26.0	26.9	27.3	25.1	26.0	25.5	26.4	26.8
	6H	25.8	26.6	26.3	27.1	27.5	25.4	26.2	25.8	26.6	27.0
	8H	25.9	26.7	26.4	27.1	27.6	25.5	26.2	25.9	26.6	27.1
	12H	26.0	26.6	26.5	27.1	27.6	25.5	26.2	26.0	26.6	27.1
8H	4H	25.7	26.4	26.1	26.8	27.3	25.2	25.9	25.7	26.4	26.8
	6H	26.0	26.6	26.5	27.0	27.5	25.6	26.1	26.1	26.6	27.1
	8H	26.1	26.6	26.6	27.1	27.6	25.7	26.2	26.2	26.7	27.2
	12H	26.2	26.6	26.7	27.1	27.7	25.8	26.2	26.3	26.7	27.3
12H	4H	25.7	26.3	26.2	26.8	27.2	25.2	25.8	25.7	26.3	26.8
	6H	26.0	26.5	26.5	27.0	27.5	25.6	26.1	26.1	26.6	27.1
	8H	26.1	26.6	26.6	27.1	27.6	25.7	26.2	26.2	26.7	27.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 750 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°	48772.8	46555.1	52505.4	52597.4	46287.4	45684.9	47249.8
	50°	43250.4	40230.6	44493.1	44345.8	37560.8	35977.4	37155.9
	55°	37512.4	34200.8	35552.2	36315.8	31448.3	28425.4	28980.3
	60°	31202.0	28363.1	27508.4	29106.0	26831.6	22918.8	23258.3
	65°	25845.2	23303.9	21508.8	23317.7	23111.8	19413.9	19880.2
	70°	22122.3	19696.6	17227.4	18978.4	19869.2	17185.9	17980.0
	75°	19288.0	16628.7	14072.9	15558.7	16882.5	15380.4	16571.3
	80°	16514.5	13719.9	11129.9	12220.0	13620.5	13140.0	14503.4
	85°	12207.7	10000.6	8134.2	8834.1	9771.0	9939.5	10876.4

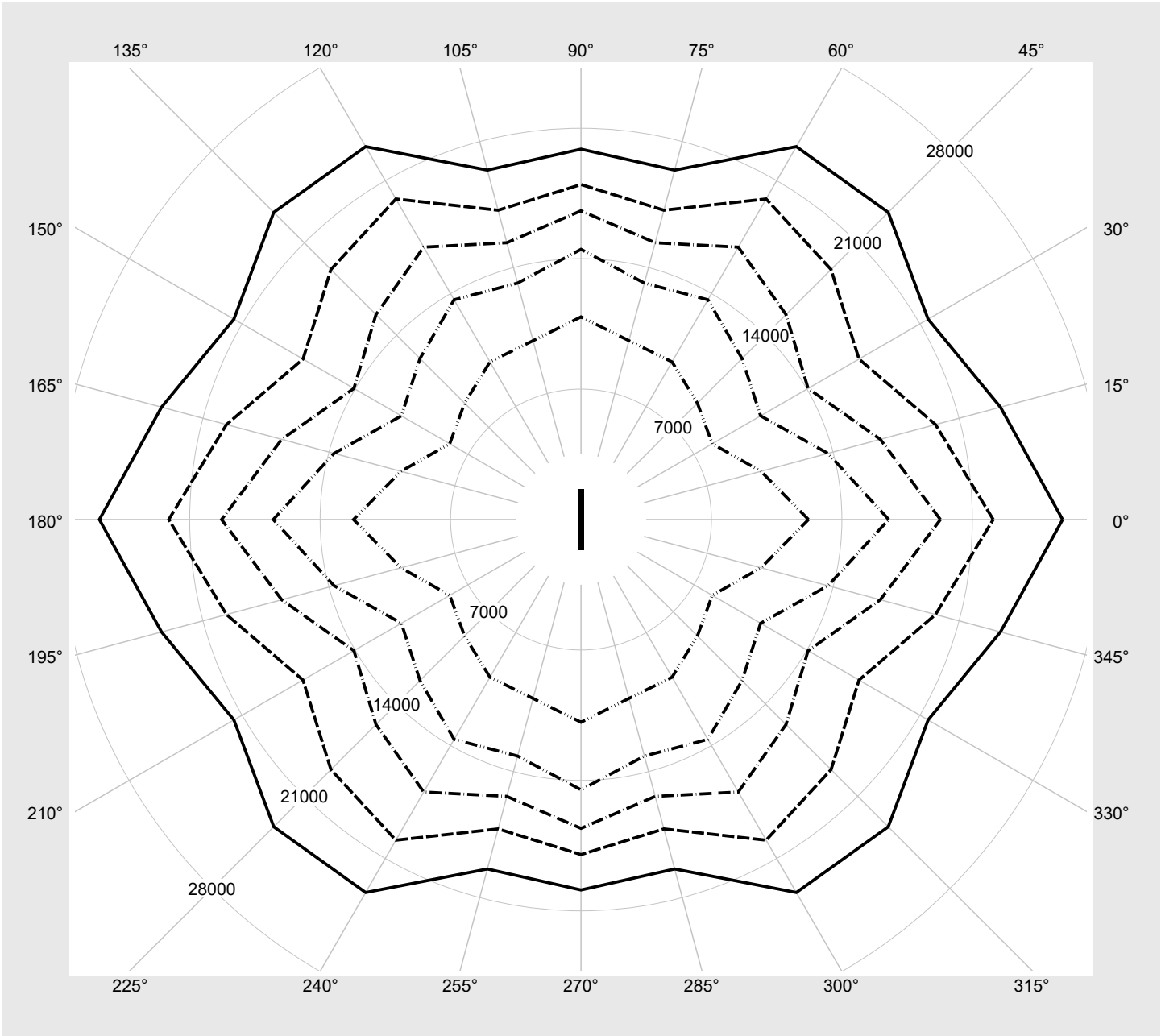
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Luminance values in cd/m²

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	7020	40.2
95	240	252	6661	38.0
90	227	250	6325	36.1
85	213	248	5958	33.9
80	200	245	5616	31.9
75	187	243	5272	29.9
70	174	240	4924	27.8
65	161	237	4576	25.8
60	148	234	4222	23.7
55	135	231	3867	21.6
50	122	227	3508	19.5
45	109	223	3146	17.4
40	97	219	2809	15.4
35	85	214	2469	14.0
30	72	208	2098	12.5
25	60	201	1754	10.8
20	48	193	1405	9.1
15	36	182	1056	6.5
10	24	168	704	3.6
8	20	161	586	2.8