
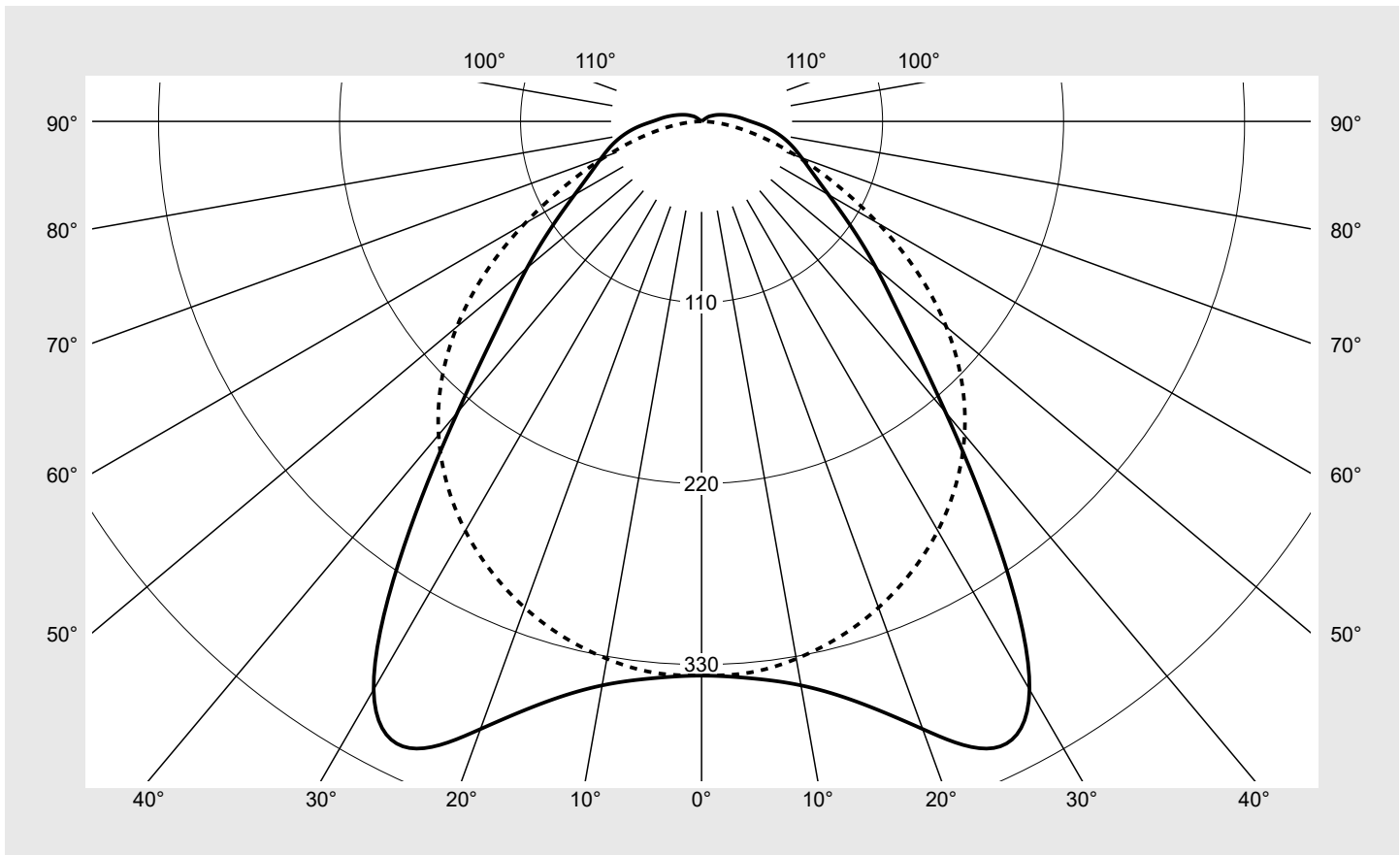


Photometric test report

Family Licross® 21 Protected	Order number: 52TS12DNE7XF EAN: 4058352455111	LP number 58522_48
	Version prismatic cover, frosted, wide distribution Lamps LED 5000 K CRI ≥ 90 Controlgear ECG-DALI Rated values Net luminous flux = 7250 lm Power consumption = 60.9 W Luminous efficacy = 119 lm/W	serial documentation 08.12.2020
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 420 cd/klm**



Classifications	
DIN 5040	A 4 1
CIE	N1=54 N2=82 N3=95 N4=97 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	96.8%
ϕ_o	3.2%

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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	0.8	0.8	0.9	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

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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	20.1	21.7	20.4	22.0	22.3	21.9	23.6	22.3	23.9	24.2
	3H	21.2	22.7	21.6	23.0	23.4	22.9	24.4	23.3	24.8	25.1
	4H	21.9	23.3	22.3	23.7	24.0	23.3	24.7	23.7	25.0	25.4
	6H	22.7	24.0	23.1	24.3	24.7	23.6	24.8	24.0	25.2	25.6
	8H	23.1	24.3	23.5	24.7	25.1	23.7	24.8	24.1	25.2	25.6
	12H	23.5	24.6	23.9	25.0	25.4	23.7	24.8	24.1	25.2	25.6
4H	2H	20.9	22.3	21.3	22.6	23.0	22.4	23.8	22.8	24.1	24.5
	3H	22.2	23.4	22.7	23.8	24.2	23.6	24.8	24.1	25.2	25.6
	4H	23.1	24.1	23.5	24.5	25.0	24.1	25.2	24.6	25.6	26.0
	6H	24.0	24.9	24.4	25.3	25.8	24.5	25.4	25.0	25.9	26.3
	8H	24.4	25.3	24.9	25.7	26.2	24.6	25.5	25.1	25.9	26.4
	12H	24.9	25.7	25.4	26.1	26.6	24.7	25.5	25.2	25.9	26.4
8H	4H	23.5	24.3	23.9	24.8	25.2	24.4	25.3	24.9	25.7	26.2
	6H	24.6	25.3	25.0	25.7	26.2	25.0	25.7	25.4	26.1	26.6
	8H	25.1	25.8	25.6	26.3	26.8	25.2	25.8	25.7	26.3	26.8
	12H	25.8	26.3	26.3	26.8	27.4	25.3	25.9	25.8	26.4	26.9
12H	4H	23.5	24.3	24.0	24.8	25.2	24.5	25.2	25.0	25.7	26.2
	6H	24.7	25.3	25.2	25.8	26.3	25.1	25.7	25.6	26.2	26.7
	8H	25.3	25.9	25.8	26.4	26.9	25.3	25.9	25.8	26.4	26.9

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°		13236.6	13931.8	15956.4	19052.5	21172.9	20432.8	19861.1	
50°		11287.8	11842.9	13473.1	16133.3	18547.7	19017.0	18966.7	
55°		9778.4	10281.4	11822.9	14086.6	16108.6	16904.4	17559.6	
60°		8687.5	9076.3	10410.2	12608.5	14104.9	14595.7	15567.9	
65°		8170.5	8431.9	9360.6	11321.3	12536.0	12491.0	13348.3	
70°		8156.0	8293.8	8735.1	10184.4	11234.3	10674.8	11329.1	
75°		8475.8	8511.0	8531.4	9311.9	10003.5	9066.7	9531.6	
80°		8976.8	8930.2	8734.8	8795.4	8935.6	7791.7	7907.2	
85°		9690.8	9638.3	9375.4	9030.3	8461.4	6930.0	6573.2	

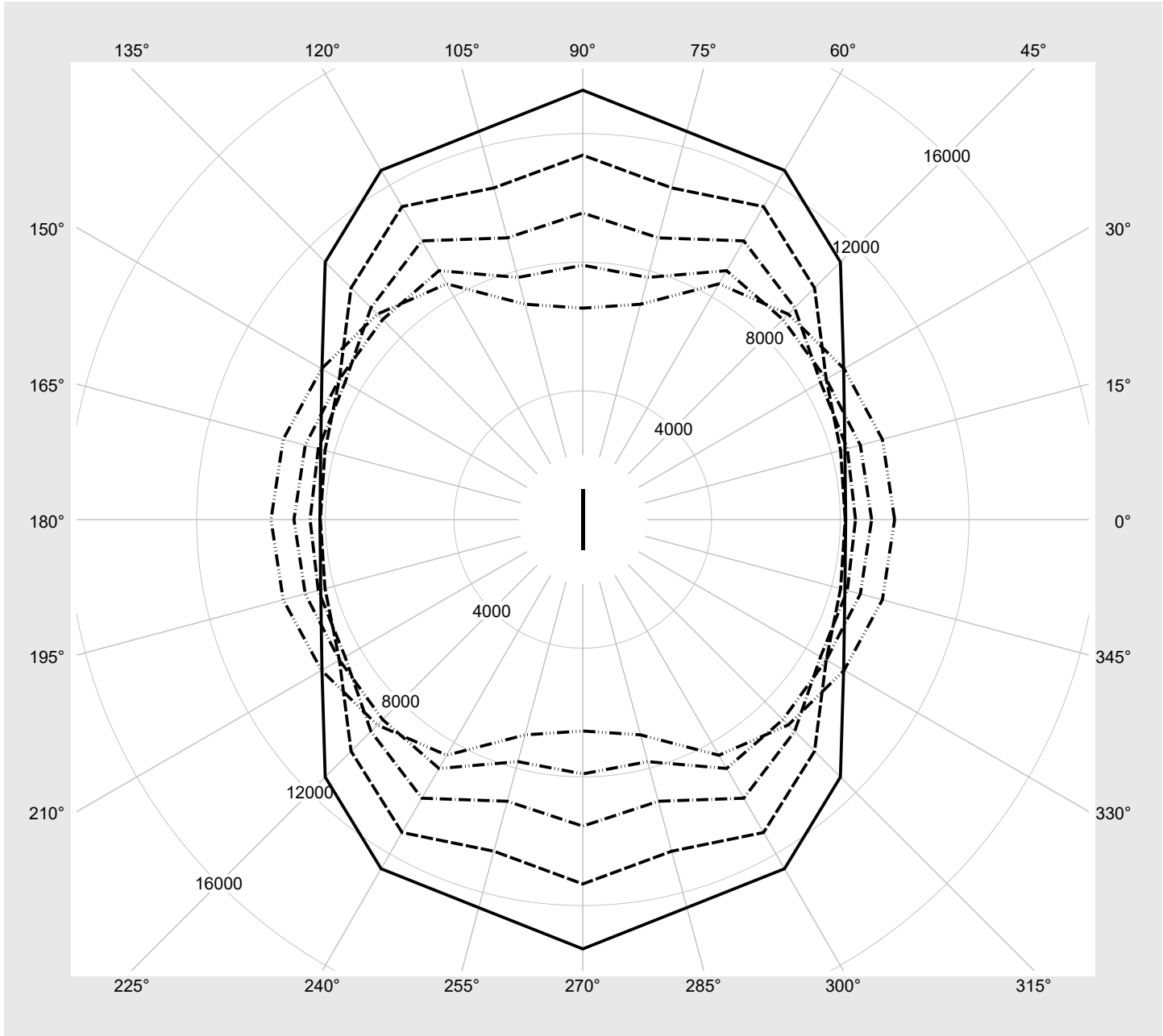
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Luminance values in cd/m²

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	7250	60.9
95	239	252	6875	57.3
90	225	250	6518	53.8
85	211	247	6155	50.4
80	198	245	5811	47.2
75	184	242	5436	43.8
70	171	240	5080	40.7
65	158	237	4721	37.5
60	145	233	4354	34.4
55	132	230	3984	31.5
50	120	227	3638	28.6
45	107	222	3260	25.6
40	95	218	2906	22.8
35	83	213	2549	20.2
30	71	207	2187	17.4
25	59	201	1821	14.8
20	47	192	1454	12.1
15	35	181	1082	9.4
10	24	168	737	6.9
5	12	142	358	4.4
1	4	102	103	2.6