

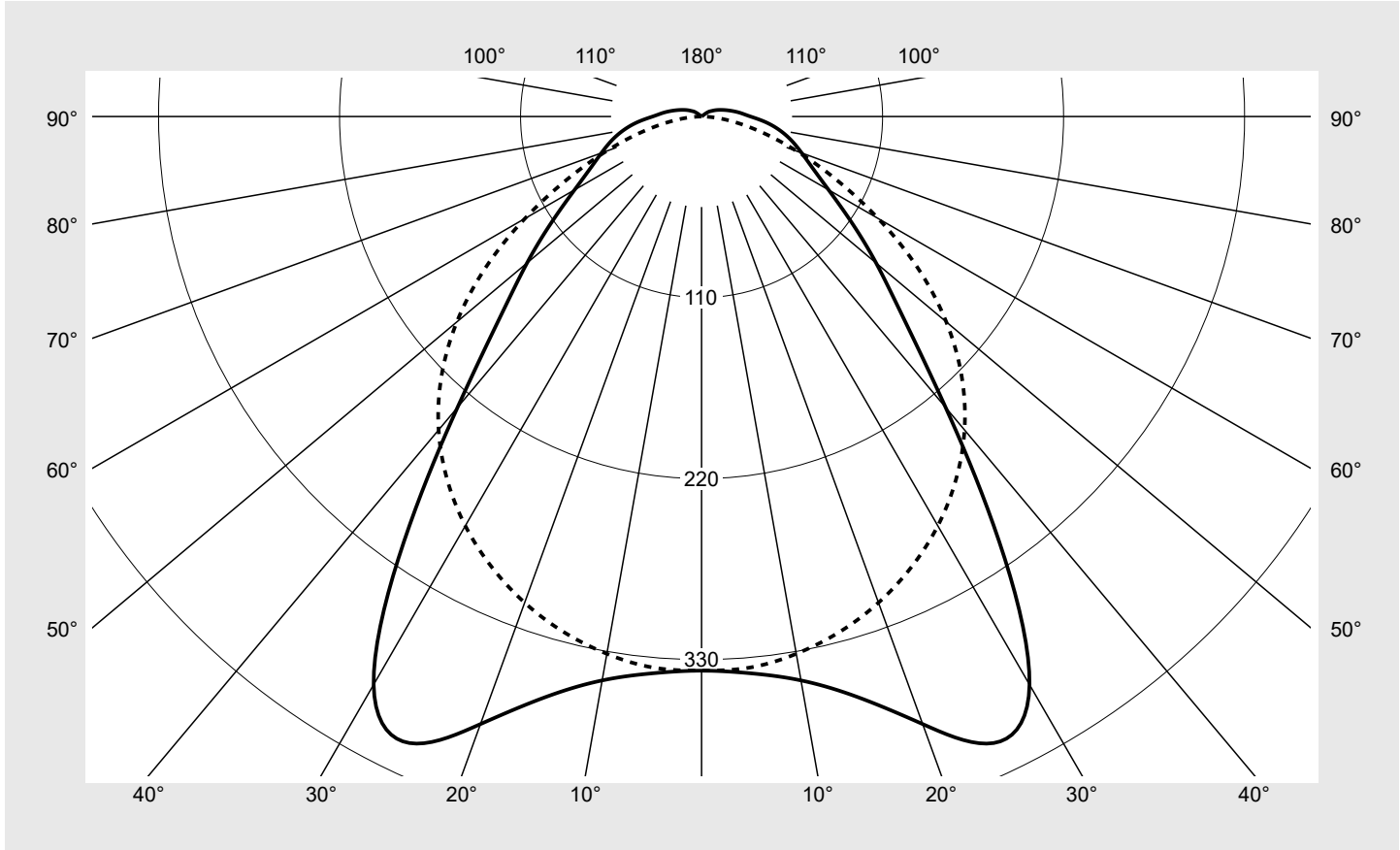


Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN59XG EAN: 4069025349927	LP number 58522_275
	Version prismatic cover, frosted, wide distribution Lamps LED 5000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9230 lm Power consumption = 57.1 W Luminous efficacy = 161.6 lm/W	serial documentation 06.02.2025
		

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
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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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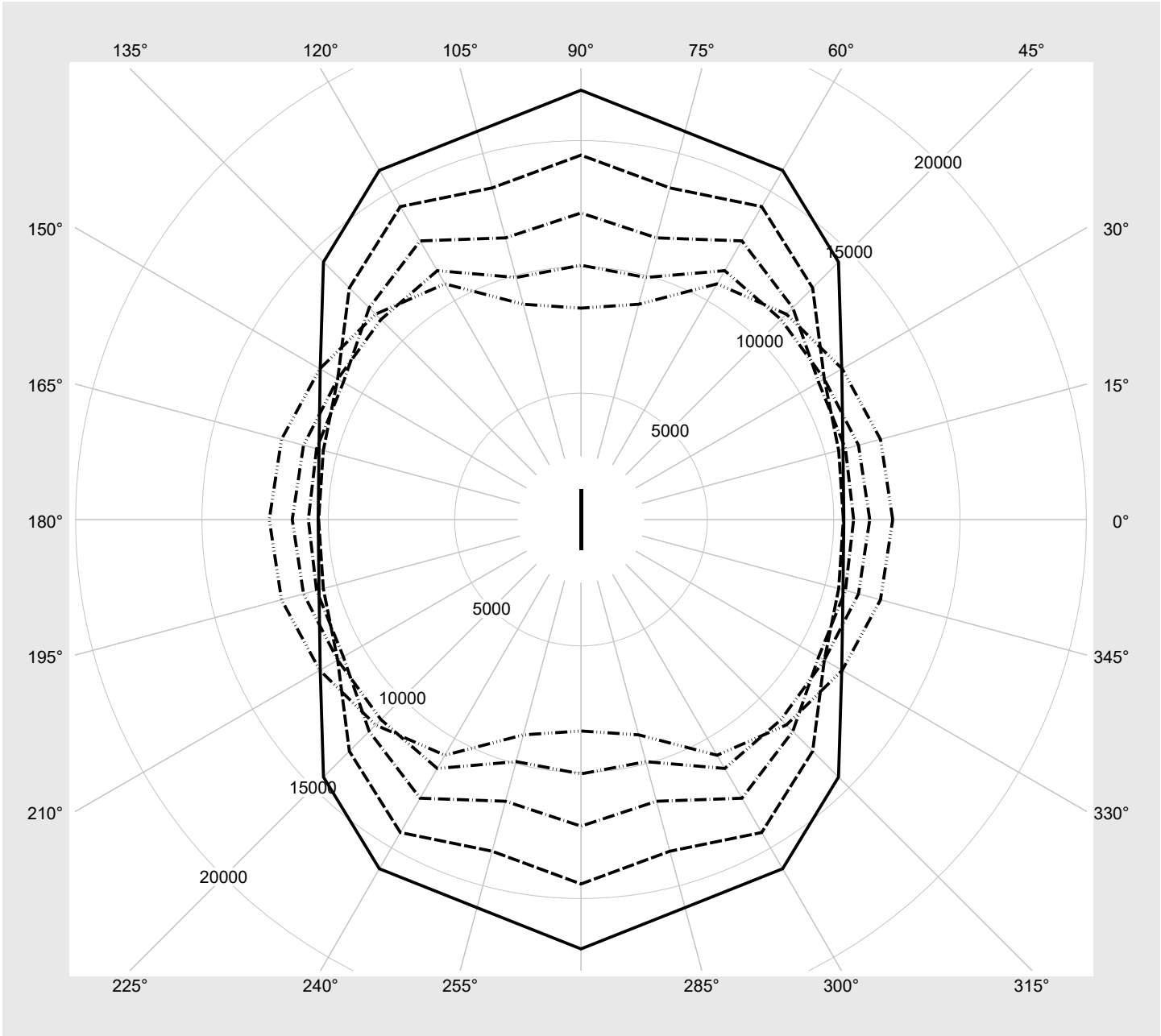
UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	20.9	22.5	21.2	22.8	23.2	22.8	24.4	23.1	24.7	25.0
	3H	22.1	23.5	22.4	23.9	24.2	23.8	25.3	24.2	25.6	25.9
	4H	22.7	24.1	23.1	24.5	24.9	24.1	25.5	24.5	25.9	26.2
	6H	23.5	24.8	23.9	25.2	25.6	24.4	25.7	24.8	26.0	26.4
	8H	23.9	25.1	24.3	25.5	25.9	24.5	25.7	24.9	26.1	26.5
	12H	24.3	25.4	24.7	25.8	26.2	24.5	25.7	25.0	26.1	26.5
4H	2H	21.7	23.1	22.1	23.5	23.8	23.2	24.6	23.6	25.0	25.3
	3H	23.1	24.3	23.5	24.6	25.1	24.5	25.7	24.9	26.1	26.5
	4H	23.9	25.0	24.3	25.4	25.8	25.0	26.1	25.4	26.5	26.9
	6H	24.8	25.7	25.3	26.2	26.6	25.3	26.3	25.8	26.7	27.2
	8H	25.3	26.1	25.7	26.6	27.0	25.5	26.3	25.9	26.8	27.2
	12H	25.8	26.5	26.2	27.0	27.5	25.6	26.3	26.1	26.8	27.3
8H	4H	24.3	25.2	24.8	25.6	26.1	25.3	26.1	25.7	26.6	27.0
	6H	25.4	26.1	25.9	26.6	27.1	25.8	26.5	26.3	27.0	27.5
	8H	26.0	26.6	26.5	27.1	27.6	26.0	26.6	26.5	27.1	27.6
	12H	26.6	27.2	27.1	27.7	28.2	26.2	26.7	26.7	27.2	27.7
12H	4H	24.4	25.1	24.9	25.6	26.1	25.3	26.1	25.8	26.5	27.0
	6H	25.5	26.1	26.0	26.6	27.1	25.9	26.5	26.4	27.0	27.5
	8H	26.2	26.7	26.7	27.2	27.7	26.2	26.7	26.7	27.2	27.7

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	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°		
		345°	330°	315°	300°	285°		
		Luminance in cd/m ²						
45°		16851.6	17736.6	20314.2	24255.9	26955.3	26013.0	25285.2
50°		14370.5	15077.3	17152.7	20539.4	23613.2	24210.6	24146.5
55°		12448.9	13089.3	15051.8	17933.7	20507.9	21521.1	22355.1
60°		11060.1	11555.1	13253.2	16051.9	17957.0	18581.9	19819.6
65°		10401.9	10734.6	11917.0	14413.2	15959.6	15902.4	16993.8
70°		10383.5	10558.8	11120.6	12965.8	14302.5	13590.2	14423.1
75°		10790.5	10835.3	10861.3	11855.0	12735.5	11542.8	12134.8
80°		11428.4	11369.0	11120.3	11197.5	11375.9	9919.6	10066.6
85°		12337.4	12270.5	11935.9	11496.5	10772.2	8822.6	8368.3

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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	9230	57.1
95	240	252	8761	53.8
90	227	250	8323	50.9
85	213	248	7843	47.7
80	200	245	7396	44.8
75	186	243	6910	41.7
70	173	240	6453	38.7
65	160	237	5994	35.9
60	147	234	5531	33.0
55	134	231	5064	30.1
50	122	227	4626	27.5
45	109	223	4151	24.7
40	97	219	3709	22.2
35	84	213	3226	19.5
30	72	208	2773	17.0
25	60	201	2319	14.5
20	48	193	1862	11.9
15	36	182	1401	9.4
10	24	168	935	6.9
5	12	142	464	4.5
2	4	102	150	3.0