



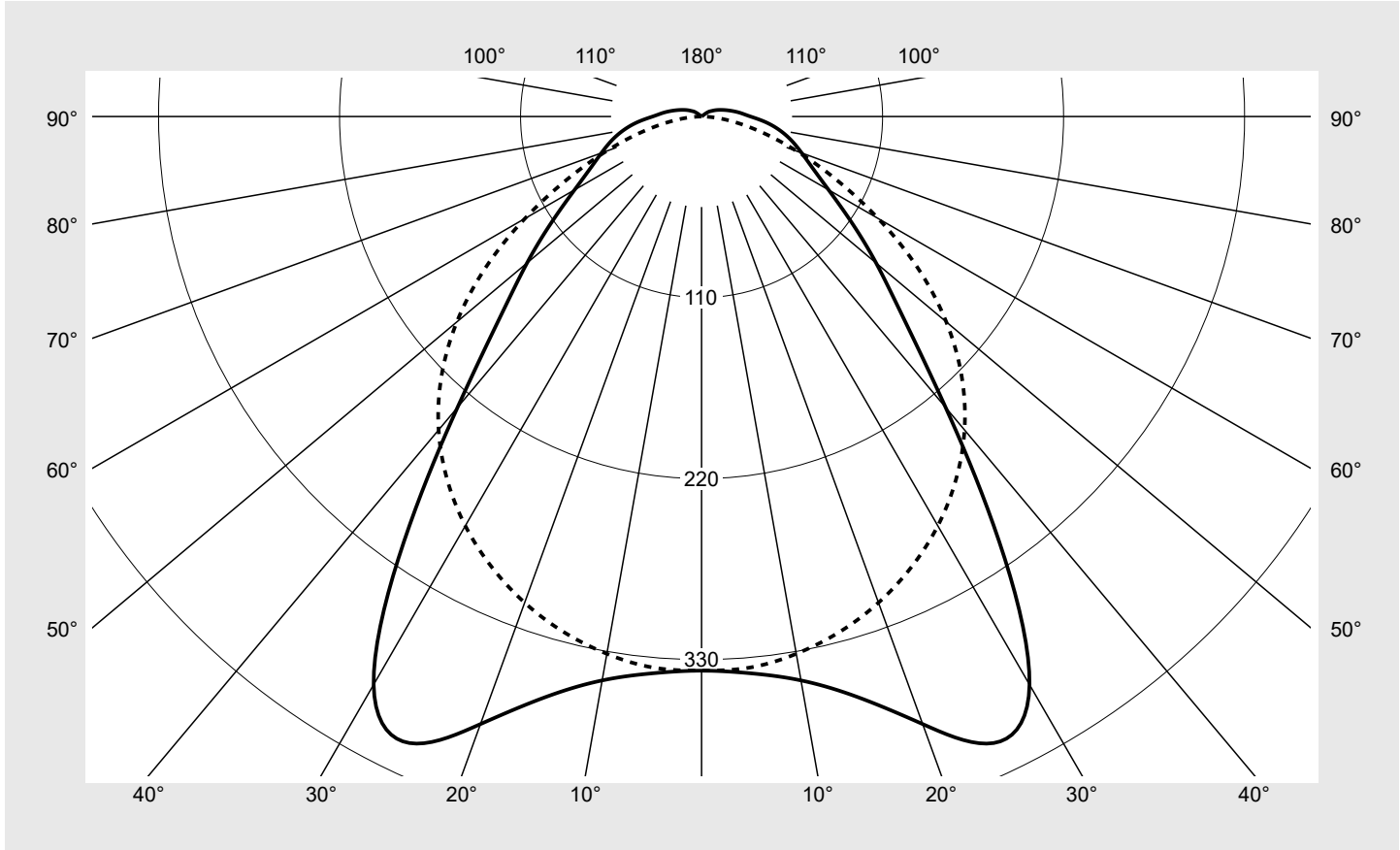
Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN68XGE EAN: 4069025318787	LP number 58522_274
	Version prismatic cover, frosted, wide distribution Lamps LED 6500 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 8310 lm Power consumption = 51.4 W Luminous efficacy = 161.7 lm/W	serial documentation 15.01.2025





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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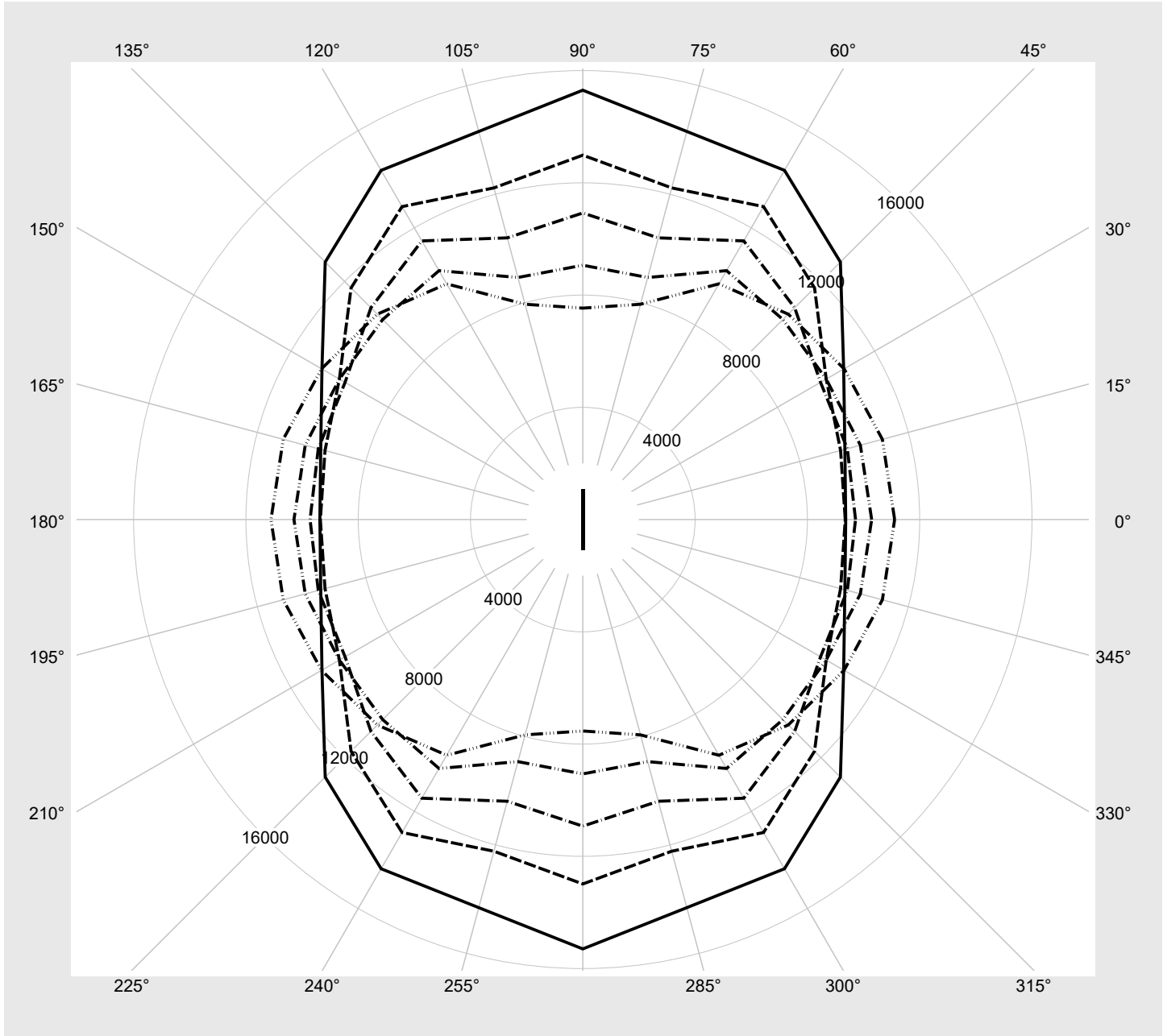
UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	20.5	22.2	20.9	22.5	22.8	22.4	24.0	22.8	24.3	24.7
	3H	21.7	23.2	22.1	23.5	23.9	23.4	24.9	23.8	25.2	25.6
	4H	22.4	23.8	22.8	24.1	24.5	23.8	25.2	24.2	25.5	25.9
	6H	23.1	24.4	23.6	24.8	25.2	24.0	25.3	24.4	25.7	26.1
	8H	23.6	24.8	24.0	25.1	25.5	24.1	25.3	24.6	25.7	26.1
	12H	23.9	25.1	24.4	25.5	25.9	24.2	25.3	24.6	25.7	26.1
4H	2H	21.4	22.8	21.8	23.1	23.5	22.8	24.2	23.2	24.6	25.0
	3H	22.7	23.9	23.1	24.3	24.7	24.1	25.3	24.5	25.7	26.1
	4H	23.5	24.6	24.0	25.0	25.4	24.6	25.7	25.1	26.1	26.5
	6H	24.4	25.4	24.9	25.8	26.3	25.0	25.9	25.4	26.3	26.8
	8H	24.9	25.8	25.4	26.2	26.7	25.1	26.0	25.6	26.4	26.9
	12H	25.4	26.2	25.9	26.6	27.1	25.2	26.0	25.7	26.4	26.9
8H	4H	23.9	24.8	24.4	25.2	25.7	24.9	25.8	25.4	26.2	26.7
	6H	25.0	25.7	25.5	26.2	26.7	25.4	26.1	25.9	26.6	27.1
	8H	25.6	26.3	26.1	26.7	27.3	25.6	26.3	26.1	26.7	27.3
	12H	26.3	26.8	26.8	27.3	27.8	25.8	26.3	26.3	26.8	27.4
12H	4H	24.0	24.8	24.5	25.2	25.7	25.0	25.7	25.4	26.2	26.7
	6H	25.2	25.8	25.7	26.3	26.8	25.5	26.2	26.0	26.6	27.2
	8H	25.8	26.4	26.3	26.8	27.4	25.8	26.3	26.3	26.8	27.4

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°	285°	
		345°	330°	315°	300°			
		Luminance in cd/m ²						
45°		15171.9	15968.7	18289.4	21838.2	24268.5	23420.2	22764.9
50°		12938.1	13574.4	15443.0	18492.1	21259.5	21797.4	21739.7
55°		11208.0	11784.6	13551.5	16146.2	18463.7	19376.0	20126.9
60°		9957.7	10403.3	11932.2	14451.9	16167.2	16729.7	17844.0
65°		9365.1	9664.7	10729.2	12976.6	14368.8	14317.3	15299.9
70°		9348.5	9506.4	10012.2	11673.4	12876.9	12235.6	12985.5
75°		9715.0	9755.3	9778.7	10673.4	11466.1	10392.3	10925.2
80°		10289.2	10235.8	10011.9	10081.4	10242.0	8930.8	9063.3
85°		11107.7	11047.4	10746.2	10350.6	9698.5	7943.2	7534.2

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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	8310	51.4
95	240	252	7882	48.5
90	227	250	7483	45.9
85	213	248	7051	43.0
80	200	245	6646	40.4
75	187	243	6234	37.8
70	174	240	5824	35.2
65	161	237	5410	32.6
60	148	234	4992	30.0
55	135	231	4569	27.5
50	122	227	4144	24.9
45	110	223	3750	22.7
40	97	219	3319	20.3
35	85	214	2918	17.9
30	72	208	2479	15.6
25	60	201	2073	13.2
20	48	193	1663	10.9
15	36	182	1250	8.7
10	24	168	832	6.5
5	12	142	413	4.2
2	5	110	168	3.1