



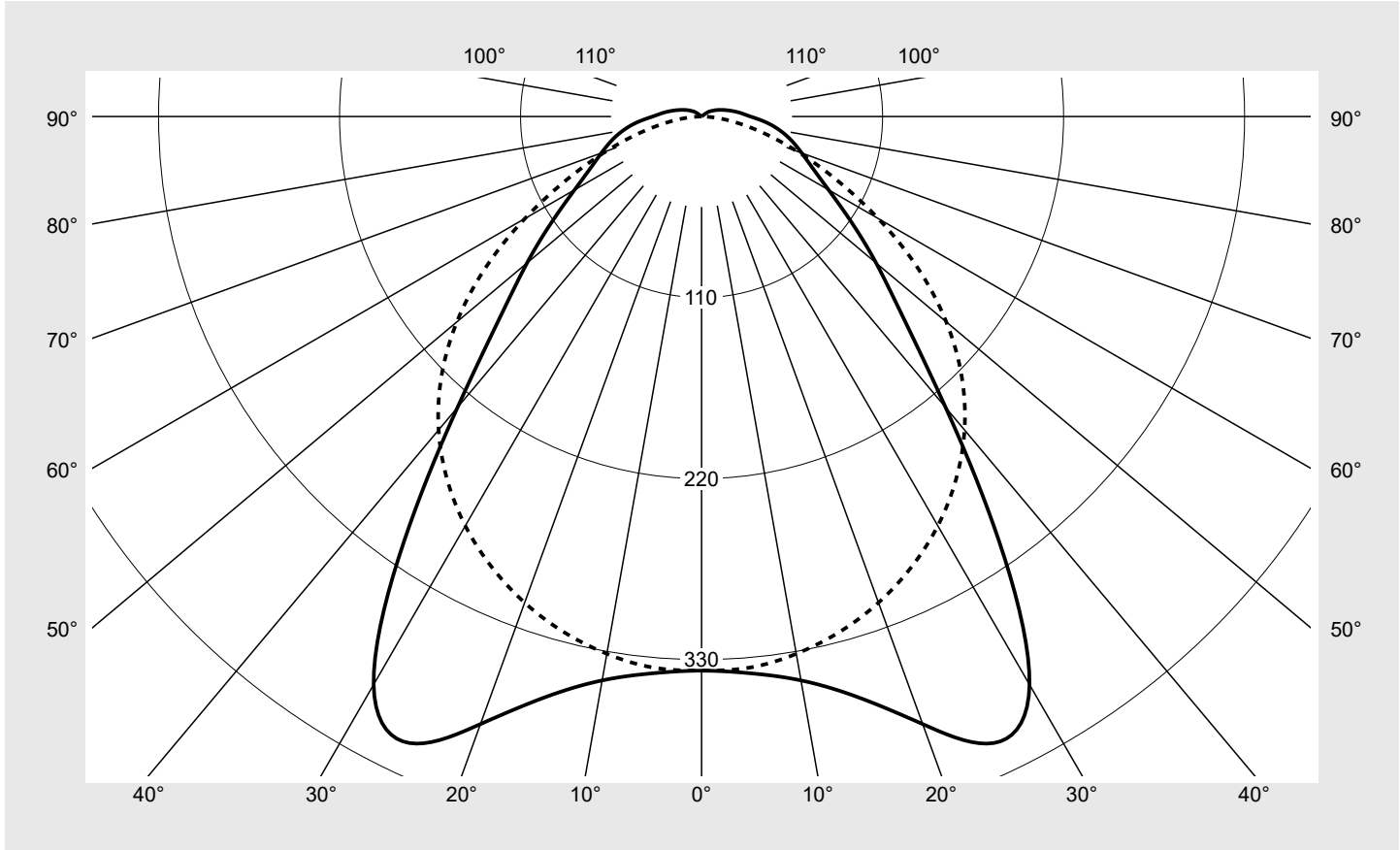
Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN49XGD EAN: 4069025242778	LP number 58522_246
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting AC-mode Rated values Net luminous flux = 9370 lm Power consumption = 57.1 W Luminous efficacy = 164.1 lm/W	serial documentation 04.10.2023





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	20.9	22.6	21.3	22.9	23.2	22.8	24.5	23.2	24.8	25.1
	3H	22.1	23.6	22.5	23.9	24.3	23.8	25.3	24.2	25.6	26.0
	4H	22.8	24.2	23.2	24.5	24.9	24.2	25.6	24.6	25.9	26.3
	6H	23.6	24.8	24.0	25.2	25.6	24.4	25.7	24.9	26.1	26.5
	8H	24.0	25.2	24.4	25.6	26.0	24.6	25.7	25.0	26.1	26.5
	12H	24.4	25.5	24.8	25.9	26.3	24.6	25.7	25.0	26.1	26.5
4H	2H	21.8	23.2	22.2	23.5	23.9	23.3	24.7	23.7	25.0	25.4
	3H	23.1	24.3	23.6	24.7	25.1	24.5	25.7	25.0	26.1	26.5
	4H	23.9	25.0	24.4	25.4	25.9	25.0	26.1	25.5	26.5	26.9
	6H	24.9	25.8	25.3	26.2	26.7	25.4	26.3	25.9	26.8	27.2
	8H	25.3	26.2	25.8	26.6	27.1	25.5	26.4	26.0	26.8	27.3
	12H	25.8	26.6	26.3	27.0	27.5	25.6	26.4	26.1	26.8	27.3
8H	4H	24.4	25.2	24.8	25.7	26.1	25.3	26.2	25.8	26.6	27.1
	6H	25.4	26.2	25.9	26.6	27.1	25.8	26.6	26.3	27.0	27.5
	8H	26.0	26.7	26.5	27.2	27.7	26.0	26.7	26.5	27.2	27.7
	12H	26.7	27.2	27.2	27.7	28.2	26.2	26.8	26.7	27.3	27.8
12H	4H	24.4	25.2	24.9	25.7	26.1	25.4	26.1	25.9	26.6	27.1
	6H	25.6	26.2	26.1	26.7	27.2	26.0	26.6	26.5	27.1	27.6
	8H	26.2	26.8	26.7	27.3	27.8	26.2	26.8	26.7	27.3	27.8

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°	17107.2	18005.7	20622.3	24623.8	27364.1	26407.6	25668.8	
	50°	14588.5	15305.9	17412.8	20850.9	23971.3	24577.8	24512.8	
	55°	12637.7	13287.8	15280.1	18205.7	20818.9	21847.5	22694.2	
	60°	11227.9	11730.4	13454.2	16295.4	18229.4	18863.7	20120.2	
	65°	10559.7	10897.5	12097.7	14631.8	16201.6	16143.6	17251.5	
	70°	10541.0	10719.0	11289.3	13162.5	14519.4	13796.3	14641.8	
	75°	10954.2	10999.7	11026.1	12034.8	12928.7	11717.9	12318.8	
	80°	11601.7	11541.5	11288.9	11367.3	11548.5	10070.0	10219.3	
	85°	12524.5	12456.6	12117.0	11670.9	10935.6	8956.5	8495.3	

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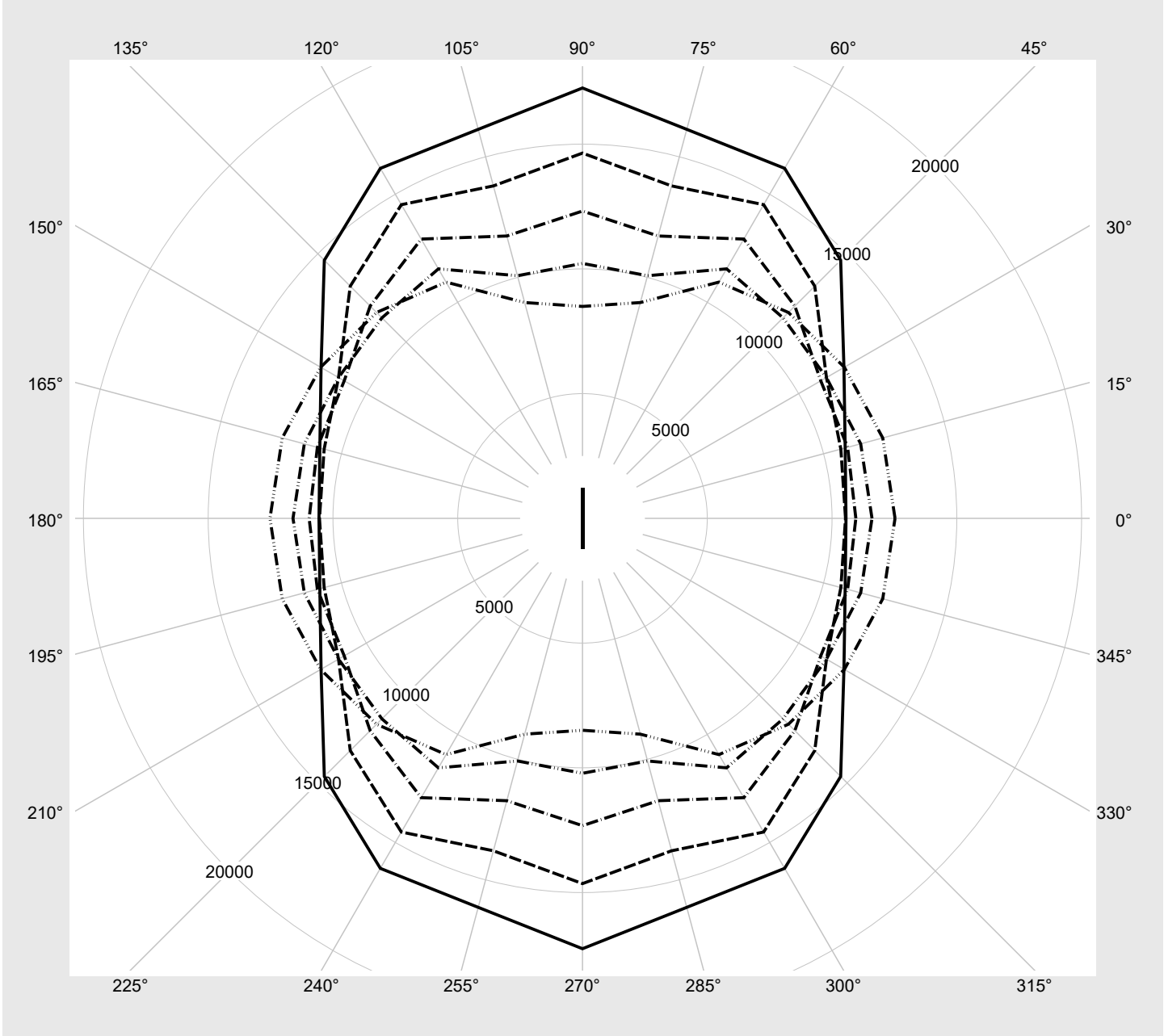
Family
Licross® 11 Protected

Order number: 51TD1BDN49XGD
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LP number
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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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	9370	57.1
95	240	252	8895	53.8
90	226	250	8416	50.7
85	213	248	7965	47.7
80	200	245	7511	44.8
75	186	243	7018	41.7
70	173	240	6555	38.7
65	160	237	6089	35.9
60	147	234	5619	33.0
55	134	231	5145	30.1
50	122	227	4701	27.5
45	109	223	4218	24.7
40	96	218	3732	22.0
35	84	213	3279	19.5
30	72	208	2819	17.0
25	60	201	2358	14.5
20	47	192	1855	11.7
15	36	182	1425	9.4
10	24	168	951	6.9
5	12	142	472	4.5
2	4	102	152	3.0