



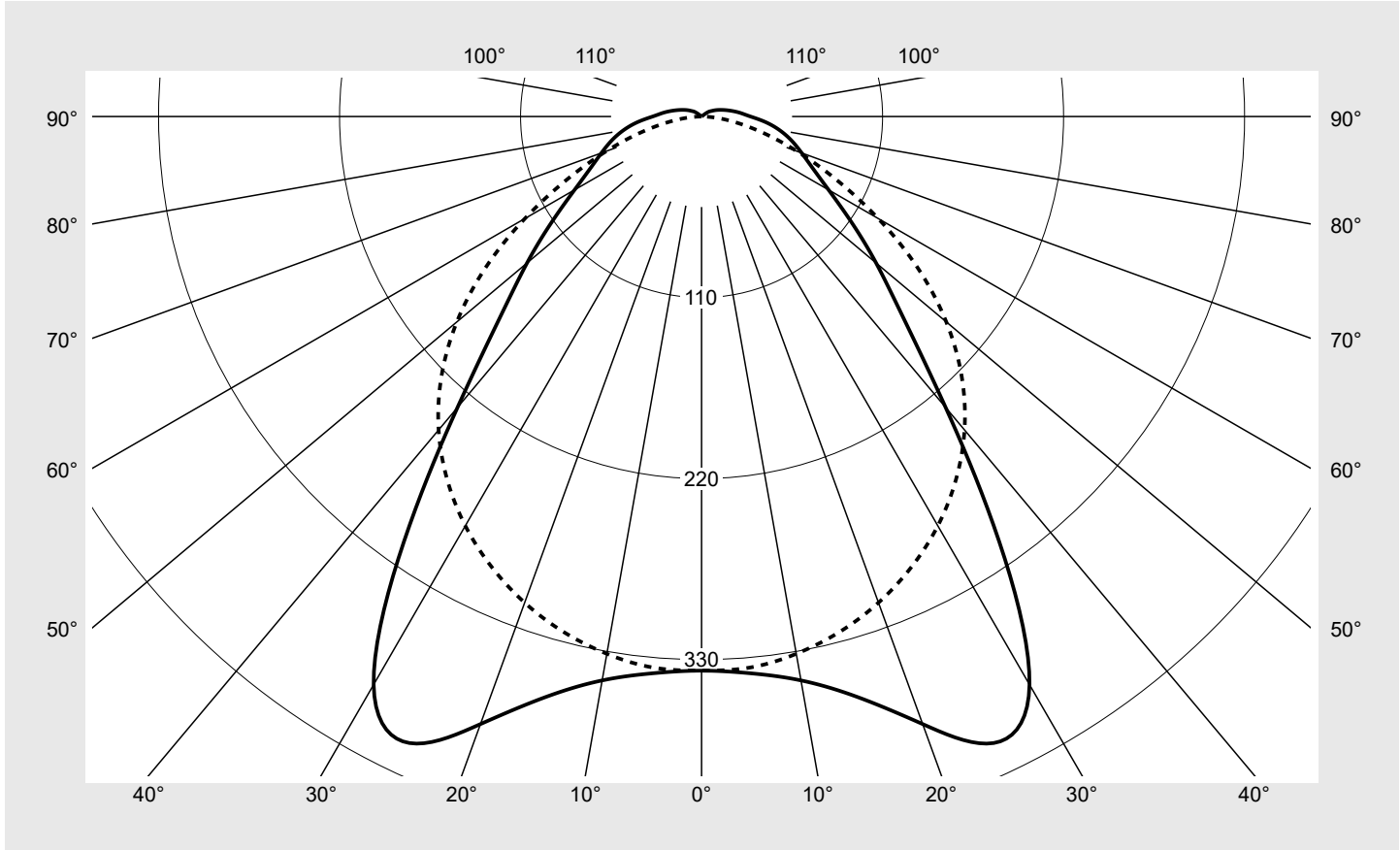
Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN49XG3S EAN: 4058352938485	LP number 58522_248
	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 = 60.9 W Luminous efficacy = 153.9 lm/W	serial documentation 29.09.2023





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

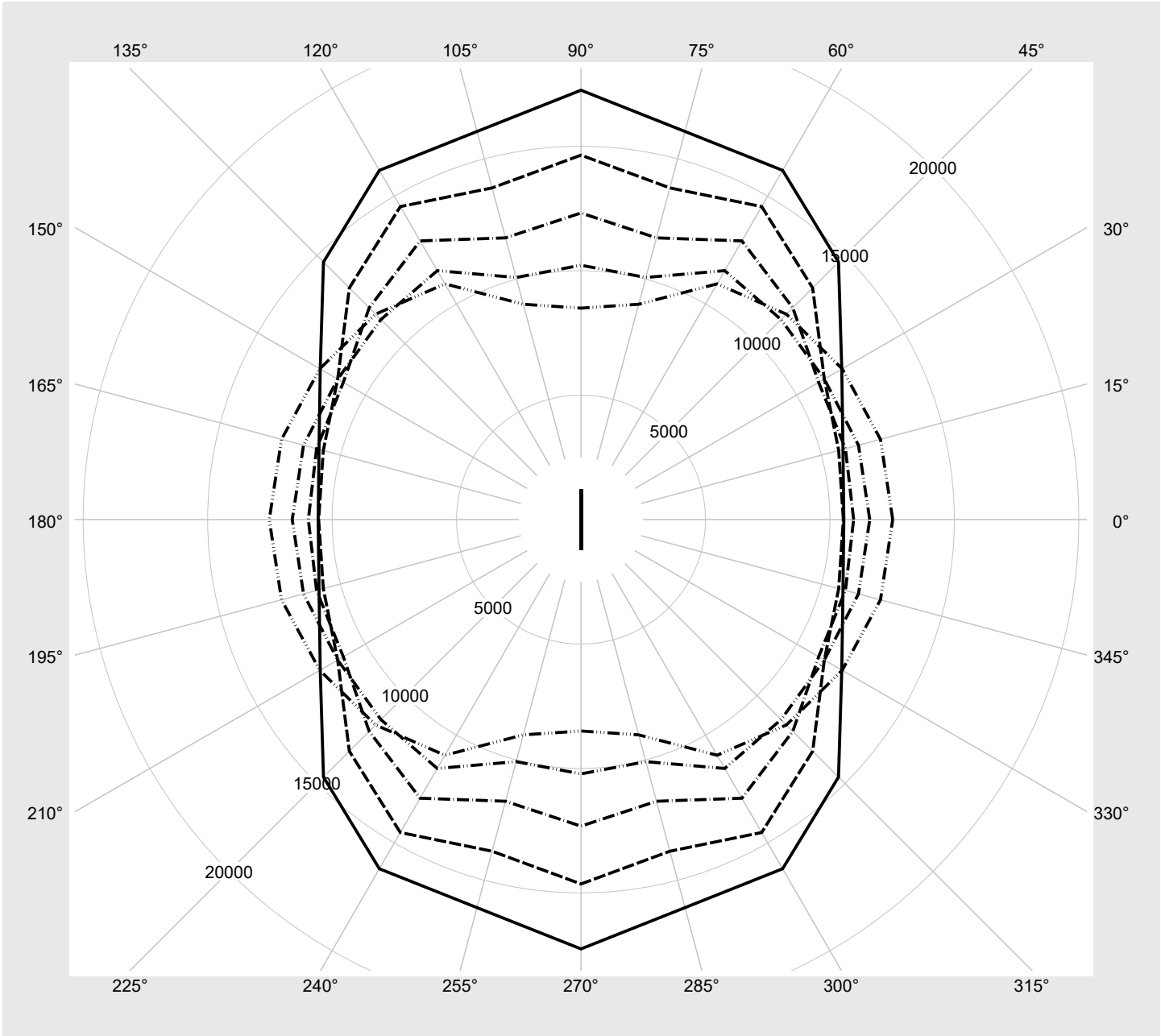
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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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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	9370	60.9
95	240	252	8895	57.6
90	226	250	8416	54.5
85	213	248	7965	51.5
80	200	245	7511	48.6
75	186	243	7018	45.5
70	173	240	6555	42.5
65	160	237	6089	39.7
60	147	234	5619	36.8
55	134	231	5145	33.9
50	122	227	4701	31.3
45	109	223	4218	28.5
40	96	218	3732	25.8
35	84	213	3279	23.3
30	72	208	2819	20.8
25	60	201	2358	18.3
20	47	192	1855	15.5
15	36	182	1425	13.2
10	24	168	951	10.7
5	12	142	472	8.3
2	4	102	152	6.8