

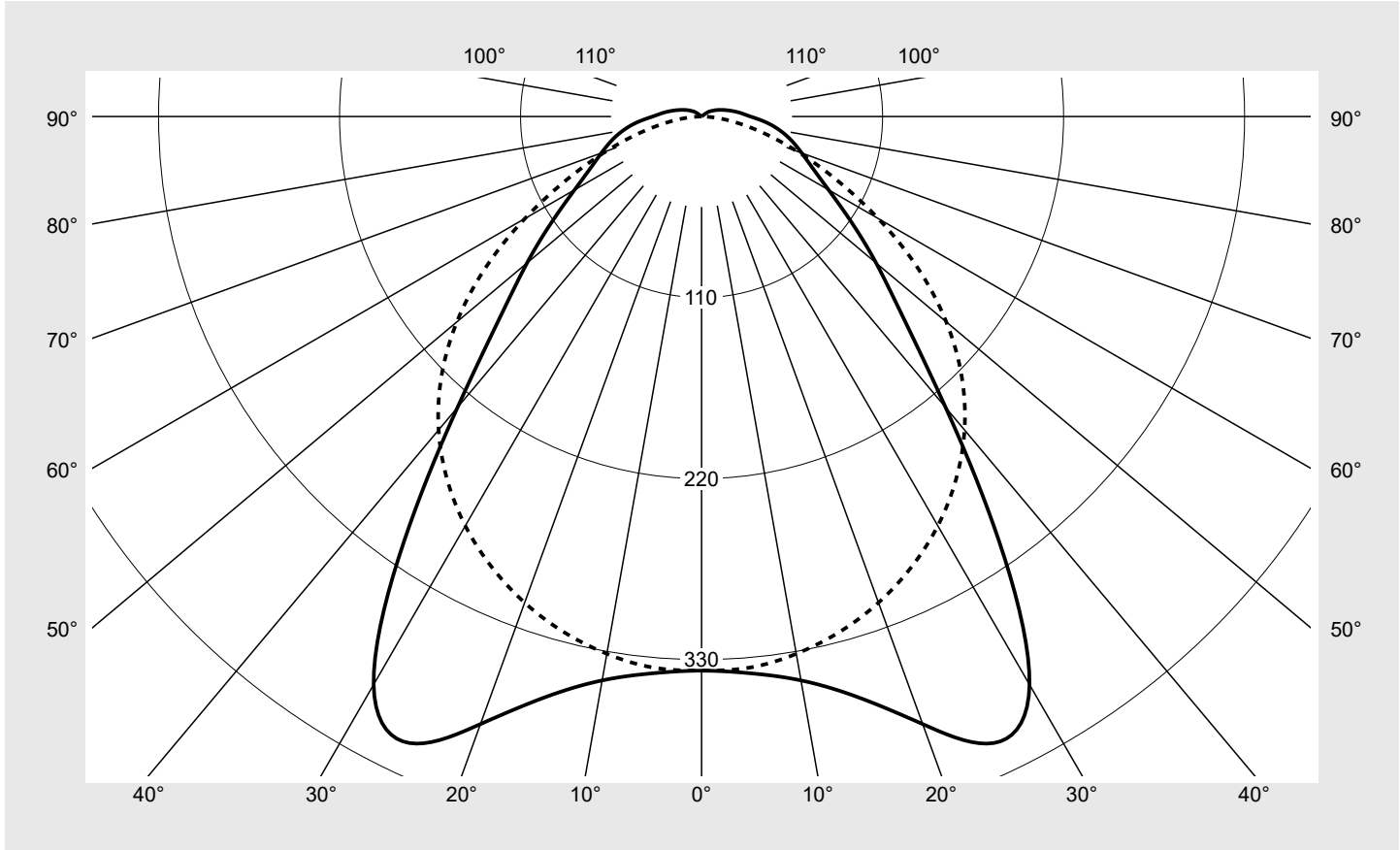


Photometric test report

Family Licross® 11 Protected	Order number: 51TD1BDN49XG3S4 EAN: 4058352938508	LP number 58522_253
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting emergency light operation: 3 h	serial documentation 29.09.2023
	Rated values Net luminous flux = 920 lm Power consumption = 6.8 W Luminous efficacy = 135.3 lm/W	

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	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	12.9	14.5	13.2	14.8	15.1	14.8	16.4	15.1	16.7	17.0
	3H	14.0	15.5	14.4	15.9	16.2	15.8	17.2	16.2	17.6	17.9
	4H	14.7	16.1	15.1	16.5	16.8	16.1	17.5	16.5	17.9	18.2
	6H	15.5	16.8	15.9	17.2	17.5	16.4	17.7	16.8	18.0	18.4
	8H	15.9	17.1	16.3	17.5	17.9	16.5	17.7	16.9	18.1	18.5
	12H	16.3	17.4	16.7	17.8	18.2	16.5	17.7	17.0	18.0	18.5
4H	2H	13.7	15.1	14.1	15.5	15.8	15.2	16.6	15.6	16.9	17.3
	3H	15.1	16.3	15.5	16.6	17.0	16.5	17.7	16.9	18.0	18.5
	4H	15.9	17.0	16.3	17.4	17.8	17.0	18.0	17.4	18.4	18.9
	6H	16.8	17.7	17.2	18.2	18.6	17.3	18.3	17.8	18.7	19.2
	8H	17.3	18.1	17.7	18.6	19.0	17.5	18.3	17.9	18.8	19.2
	12H	17.7	18.5	18.2	19.0	19.5	17.6	18.3	18.0	18.8	19.3
8H	4H	16.3	17.2	16.8	17.6	18.1	17.2	18.1	17.7	18.5	19.0
	6H	17.4	18.1	17.9	18.6	19.1	17.8	18.5	18.3	19.0	19.5
	8H	18.0	18.6	18.5	19.1	19.6	18.0	18.6	18.5	19.1	19.6
	12H	18.6	19.2	19.1	19.6	20.2	18.2	18.7	18.7	19.2	19.7
12H	4H	16.4	17.1	16.9	17.6	18.1	17.3	18.1	17.8	18.5	19.0
	6H	17.5	18.1	18.0	18.6	19.1	17.9	18.5	18.4	19.0	19.5
	8H	18.2	18.7	18.7	19.2	19.7	18.2	18.7	18.7	19.2	19.7

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	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°		1679.7	1767.9	2024.8	2417.7	2686.8	2592.8	2520.3	
50°		1432.4	1502.8	1709.7	2047.3	2353.6	2413.2	2406.8	
55°		1240.8	1304.7	1500.3	1787.5	2044.1	2145.1	2228.2	
60°		1102.4	1151.8	1321.0	1600.0	1789.9	1852.1	1975.5	
65°		1036.8	1070.0	1187.8	1436.6	1590.8	1585.1	1693.9	
70°		1035.0	1052.5	1108.4	1292.4	1425.6	1354.6	1437.6	
75°		1075.5	1080.0	1082.6	1181.7	1269.4	1150.5	1209.5	
80°		1139.1	1133.2	1108.4	1116.1	1133.9	988.7	1003.4	
85°		1229.7	1223.1	1189.7	1145.9	1073.7	879.4	834.1	

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**

