


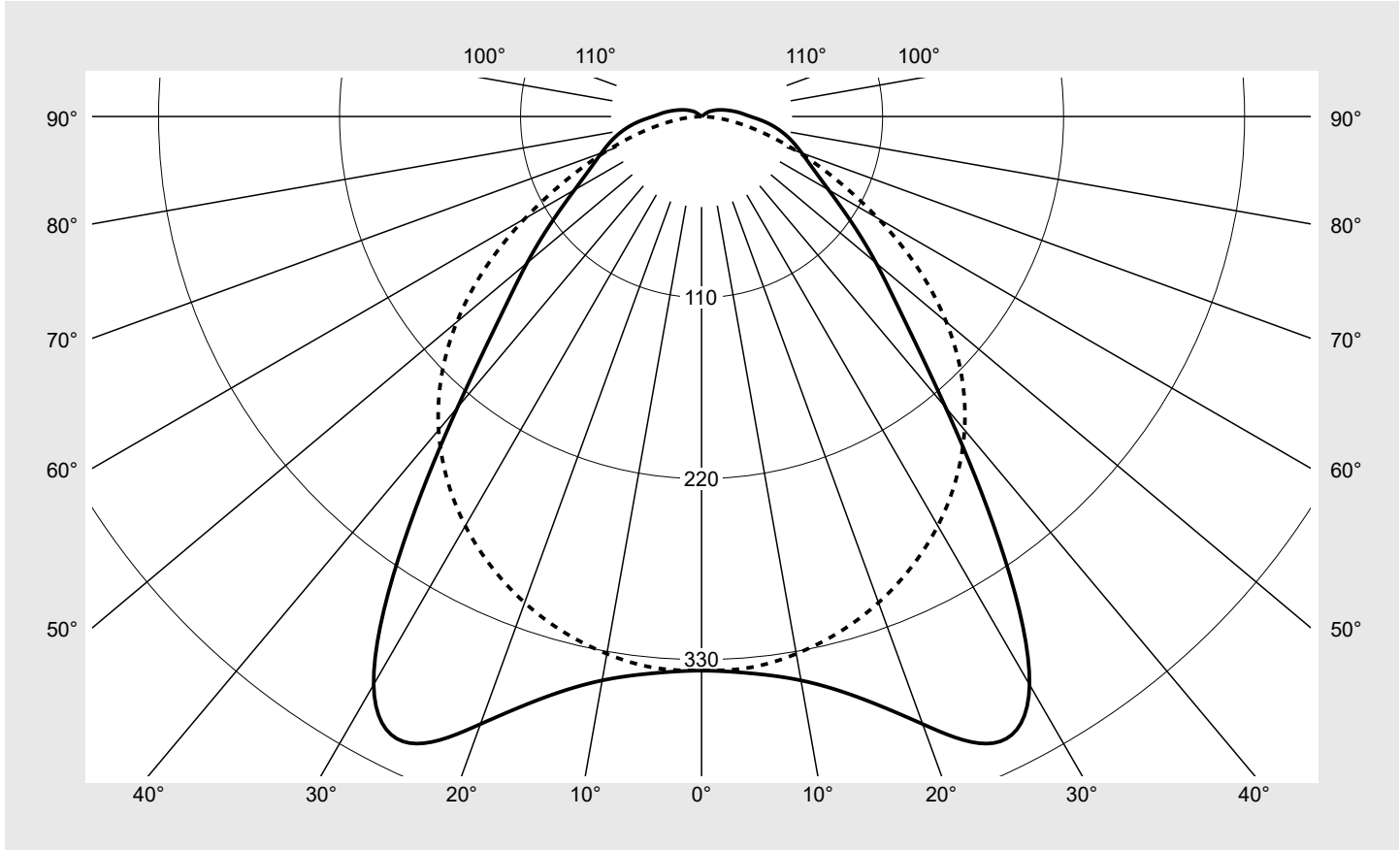
Photometric test report

Family Licross® 21 Protected	Order number: 52TD1B7N48XG EAN: 4058352903223	LP number 58522_231
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Rated values Net luminous flux = 8090 lm Power consumption = 47.9 W Luminous efficacy = 168.9 lm/W	serial documentation 04.08.2023





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
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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	20.4	22.1	20.8	22.4	22.7	22.3	23.9	22.7	24.3	24.6
	3H	21.6	23.1	22.0	23.4	23.8	23.3	24.8	23.7	25.1	25.5
	4H	22.3	23.7	22.7	24.0	24.4	23.7	25.1	24.1	25.4	25.8
	6H	23.0	24.3	23.5	24.7	25.1	23.9	25.2	24.3	25.6	26.0
	8H	23.5	24.7	23.9	25.0	25.4	24.0	25.2	24.5	25.6	26.0
	12H	23.9	25.0	24.3	25.4	25.8	24.1	25.2	24.5	25.6	26.0
4H	2H	21.3	22.7	21.7	23.0	23.4	22.8	24.1	23.1	24.5	24.9
	3H	22.6	23.8	23.0	24.2	24.6	24.0	25.2	24.5	25.6	26.0
	4H	23.4	24.5	23.9	24.9	25.3	24.5	25.6	25.0	26.0	26.4
	6H	24.3	25.3	24.8	25.7	26.2	24.9	25.8	25.3	26.2	26.7
	8H	24.8	25.7	25.3	26.1	26.6	25.0	25.9	25.5	26.3	26.8
	12H	25.3	26.1	25.8	26.5	27.0	25.1	25.9	25.6	26.3	26.8
8H	4H	23.9	24.7	24.3	25.1	25.6	24.8	25.7	25.3	26.1	26.6
	6H	24.9	25.6	25.4	26.1	26.6	25.3	26.0	25.8	26.5	27.0
	8H	25.5	26.2	26.0	26.6	27.2	25.5	26.2	26.0	26.7	27.2
	12H	26.2	26.7	26.7	27.2	27.7	25.7	26.2	26.2	26.7	27.3
12H	4H	23.9	24.7	24.4	25.1	25.6	24.9	25.6	25.4	26.1	26.6
	6H	25.1	25.7	25.6	26.2	26.7	25.5	26.1	26.0	26.6	27.1
	8H	25.7	26.3	26.2	26.8	27.3	25.7	26.3	26.2	26.8	27.3

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°		14770.2	15546.0	17805.2	21260.0	23626.0	22800.1	22162.3	
50°		12595.6	13215.1	15034.1	18002.5	20696.7	21220.3	21164.2	
55°		10911.3	11472.6	13192.8	15718.7	17974.9	18863.0	19594.0	
60°		9694.1	10127.9	11616.3	14069.3	15739.2	16286.8	17371.6	
65°		9117.2	9408.8	10445.1	12633.0	13988.4	13938.3	14894.9	
70°		9101.0	9254.7	9747.1	11364.4	12536.0	11911.6	12641.7	
75°		9457.8	9497.1	9519.9	10390.8	11162.6	10117.1	10636.0	
80°		10016.8	9964.8	9746.8	9814.5	9970.9	8694.4	8823.3	
85°		10813.6	10755.0	10461.7	10076.6	9441.7	7733.0	7334.8	

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Family
Licross® 21 Protected

Order number: 52TD1B7N48XG
EAN: 4058352903223

LP number
58522_231

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

