

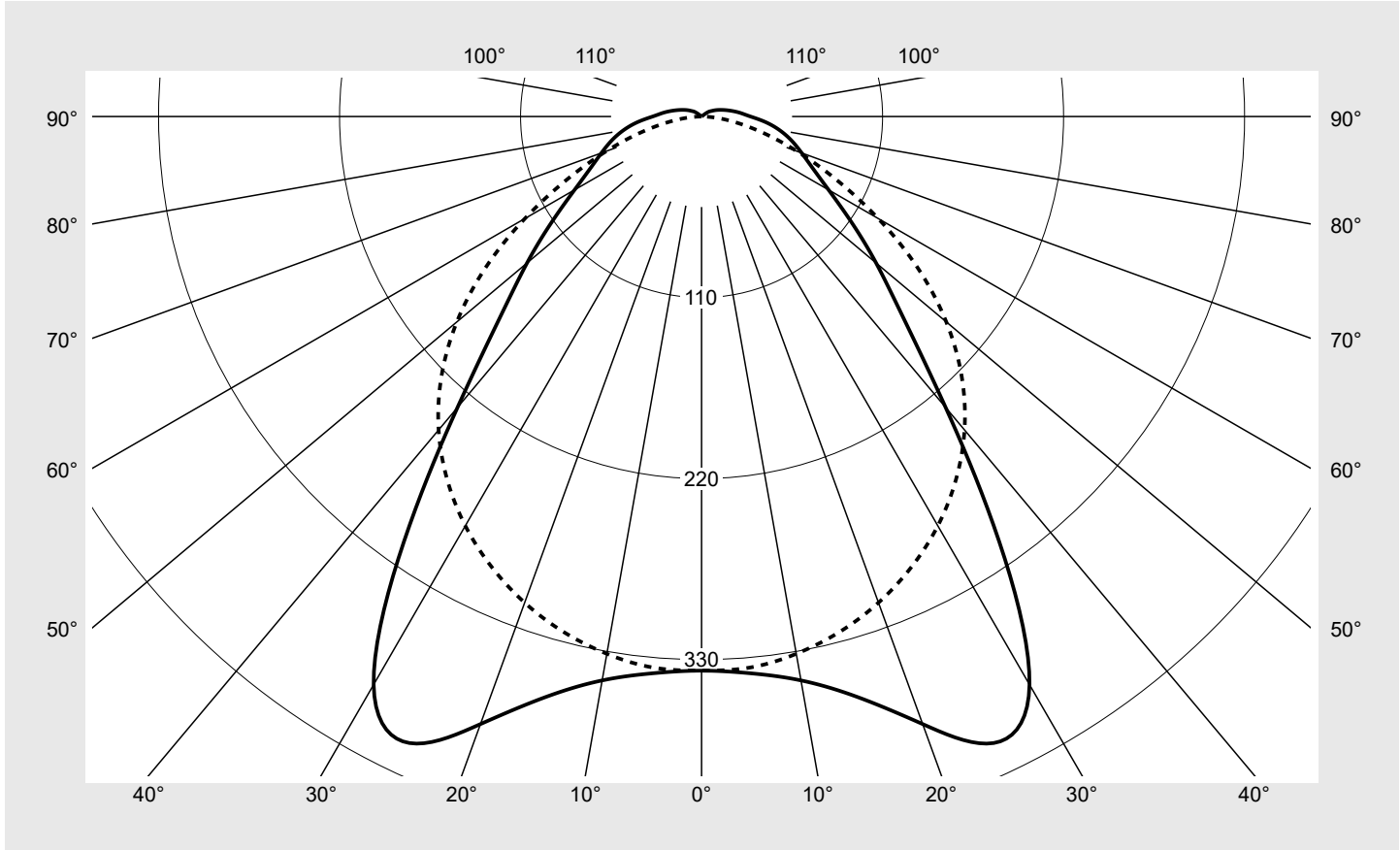
Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BMN4AXG EAN: 4058352903322	LP number 58522_241
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 10100 lm Power consumption = 60.5 W Luminous efficacy = 166.9 lm/W	serial documentation 24.08.2023





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

Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BMN4AXG EAN: 4058352903322	LP number 58522_241
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

Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BMN4AXG EAN: 4058352903322	LP number 58522_241
--	--	-------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	21.2	22.8	21.6	23.2	23.5	23.1	24.7	23.4	25.0	25.3
	3H	22.4	23.8	22.7	24.2	24.5	24.1	25.6	24.5	25.9	26.3
	4H	23.1	24.5	23.5	24.8	25.2	24.5	25.8	24.9	26.2	26.6
	6H	23.8	25.1	24.2	25.5	25.9	24.7	26.0	25.1	26.3	26.7
	8H	24.2	25.4	24.7	25.8	26.2	24.8	26.0	25.2	26.4	26.8
12H	24.6	25.8	25.1	26.1	26.6	24.9	26.0	25.3	26.4	26.8	
4H	2H	22.1	23.4	22.4	23.8	24.2	23.5	24.9	23.9	25.3	25.6
	3H	23.4	24.6	23.8	25.0	25.4	24.8	26.0	25.2	26.4	26.8
	4H	24.2	25.3	24.6	25.7	26.1	25.3	26.4	25.7	26.8	27.2
	6H	25.1	26.0	25.6	26.5	26.9	25.7	26.6	26.1	27.0	27.5
	8H	25.6	26.4	26.0	26.9	27.4	25.8	26.6	26.2	27.1	27.6
12H	26.1	26.8	26.6	27.3	27.8	25.9	26.6	26.4	27.1	27.6	
8H	4H	24.6	25.5	25.1	25.9	26.4	25.6	26.4	26.0	26.9	27.3
	6H	25.7	26.4	26.2	26.9	27.4	26.1	26.8	26.6	27.3	27.8
	8H	26.3	26.9	26.8	27.4	27.9	26.3	26.9	26.8	27.4	27.9
	12H	26.9	27.5	27.4	28.0	28.5	26.5	27.0	27.0	27.5	28.0
12H	4H	24.7	25.5	25.2	25.9	26.4	25.6	26.4	26.1	26.9	27.3
	6H	25.8	26.5	26.3	26.9	27.5	26.2	26.8	26.7	27.3	27.8
	8H	26.5	27.0	27.0	27.5	28.1	26.5	27.0	27.0	27.5	28.1

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°		18440.0	19408.5	22229.0	26542.2	29496.0	28464.9	27668.6	
50°		15725.0	16498.4	18769.4	22475.3	25838.9	26492.6	26422.5	
55°		13622.3	14323.1	16470.6	19624.1	22440.9	23549.6	24462.3	
60°		12102.6	12644.3	14502.4	17564.9	19649.6	20333.3	21687.7	
65°		11382.4	11746.5	13040.2	15771.7	17463.9	17401.3	18595.6	
70°		11362.2	11554.1	12168.8	14187.9	15650.6	14871.2	15782.6	
75°		11807.6	11856.7	11885.1	12972.5	13935.9	12630.8	13278.6	
80°		12505.6	12440.6	12168.4	12252.9	12448.2	10854.6	11015.5	
85°		13500.3	13427.1	13061.0	12580.2	11787.6	9654.2	9157.1	

Photometric test report

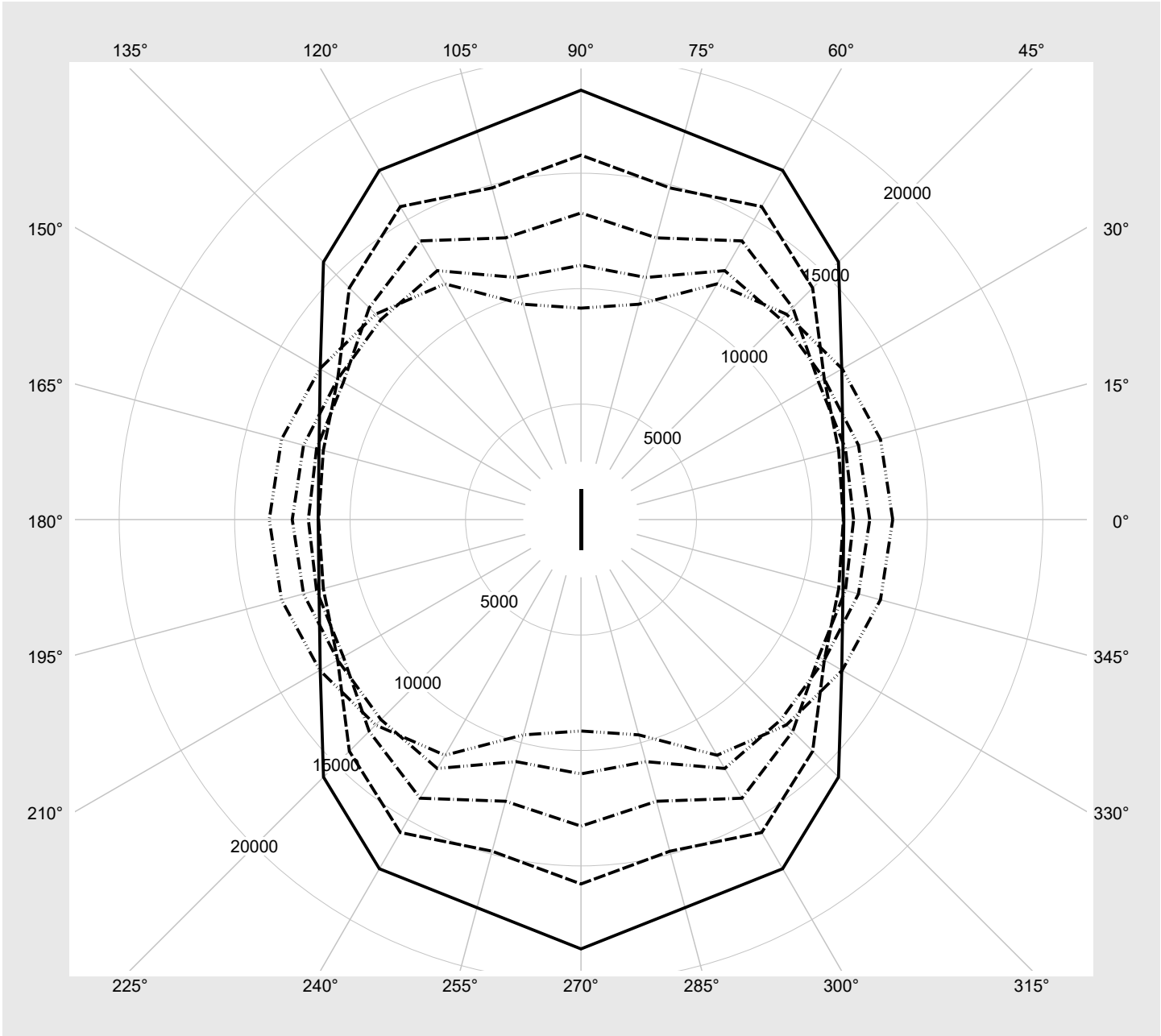
Family
Licross® 21 Protected

Order number: 52TD1BMN4AXG
EAN: 4058352903322

LP number
58522_241

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BMN4AXG EAN: 4058352903322	LP number 58522_241
--	--	-------------------------------

Multilumen Table	environmental temperature: 25°C	sITeco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10100	60.5
2	A	C	F	9271	56.1
3	A	D	E	8809	53.1
4	A	D	F	8347	50.0
5	B	C	E	7874	47.0
6	B	C	F	7402	43.9
7	B	D	E	6919	41.0
8	B	D	F	6509	38.4