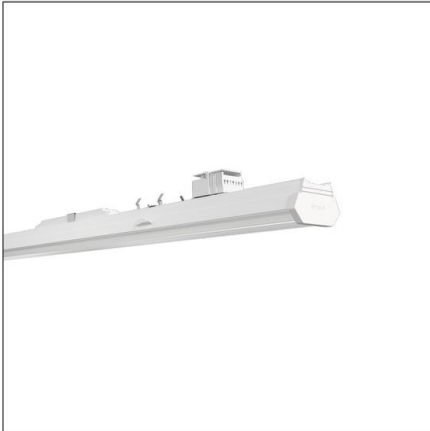


Photometric test report

Family
Licross® 21 Protected

Order number: 52TD1BMN4AXG
EAN: 4058352903322

LP number
58522_241



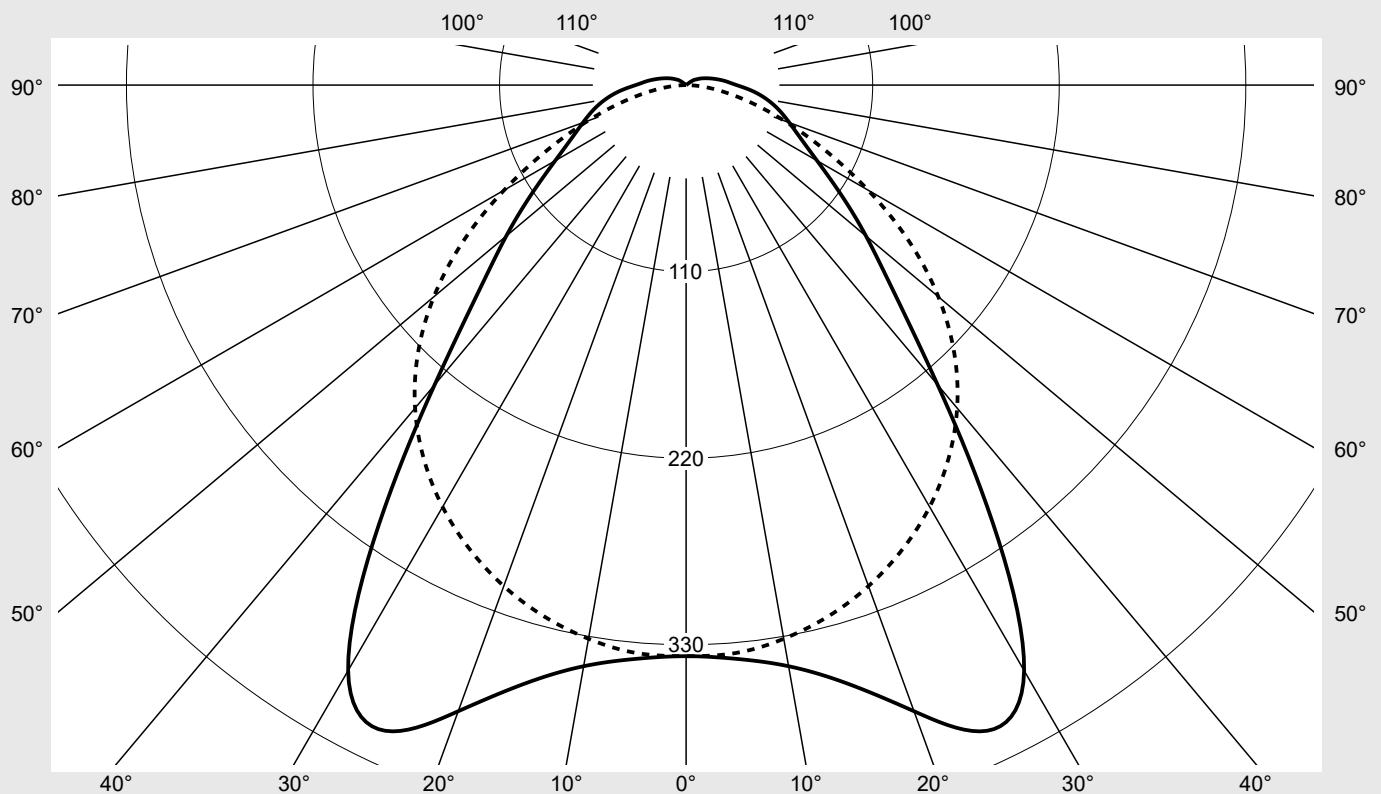
Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 10100 lm
 Power consumption = 60.5 W
 Luminous efficacy = 166.9 lm/W

serial
documentation
24.08.2023

siteco

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	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	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
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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 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
		Luminance in cd/m²						
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°

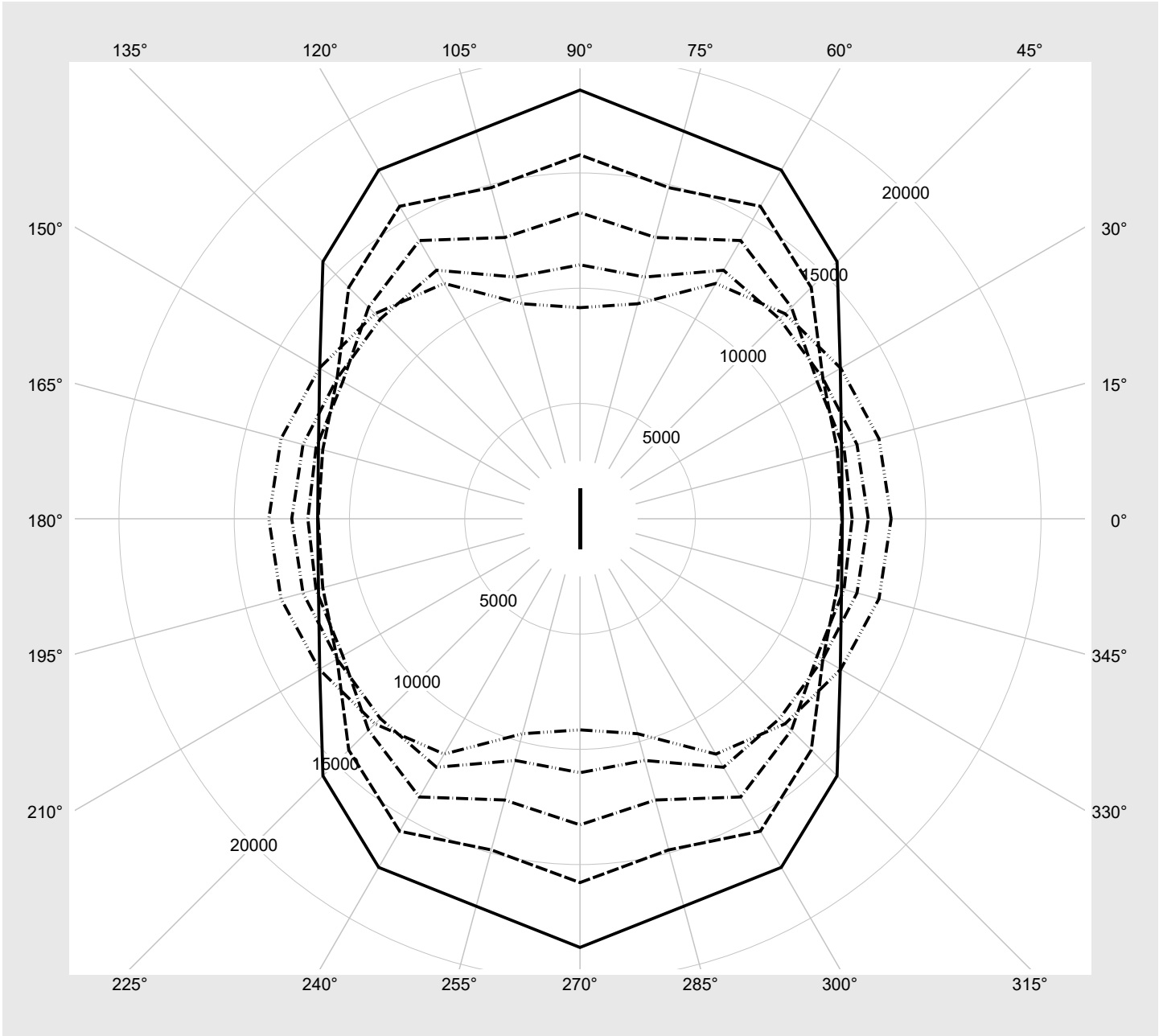
γ 75°

γ 80°

γ 85°

sit

eco



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	9270	56.1
3	A	D	E	8810	53.1
4	A	D	F	8350	50.0
5	B	C	E	7880	47.0
6	B	C	F	7400	43.9
7	B	D	E	6920	41.0
8	B	D	F	6510	38.4