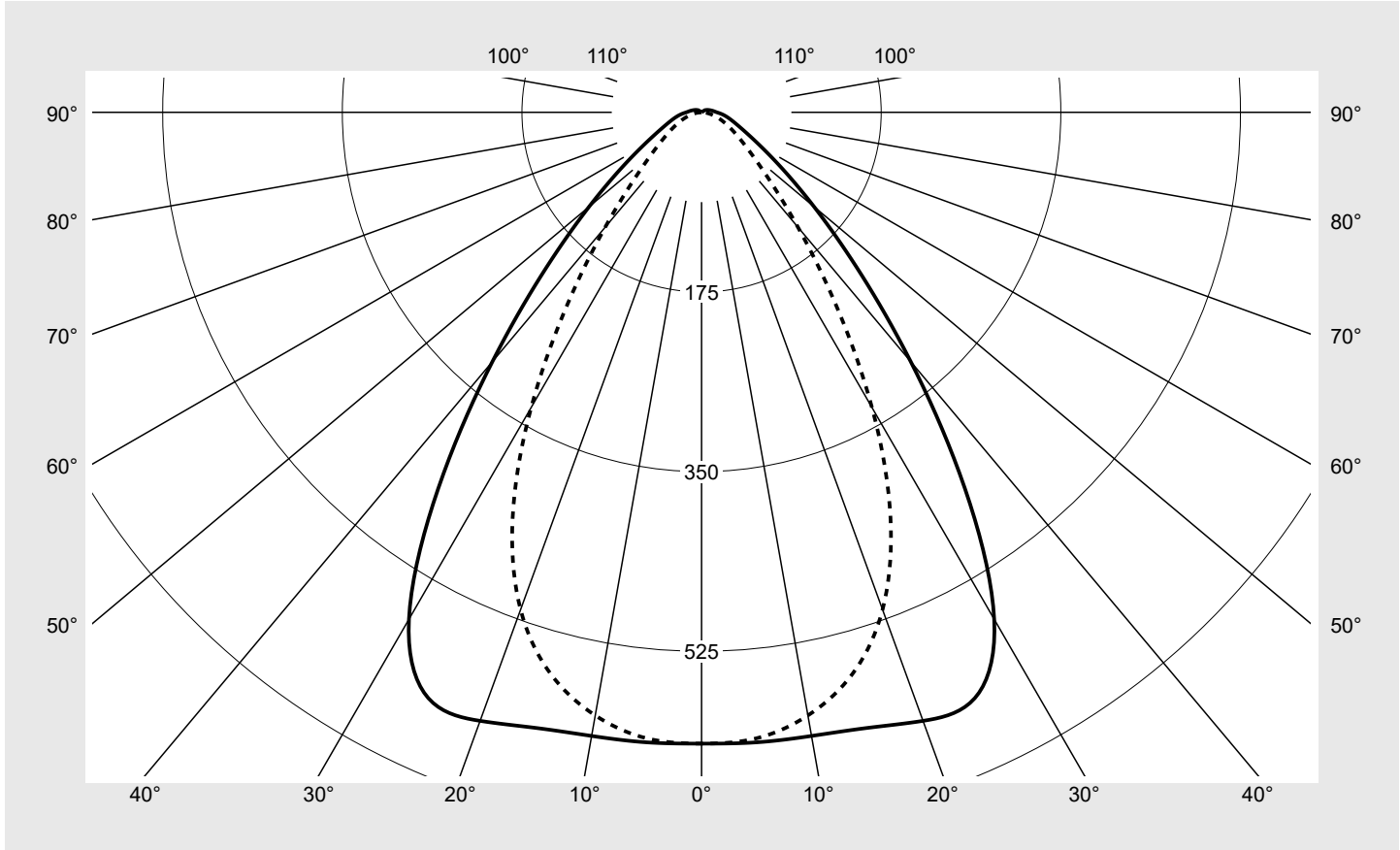


Photometric test report

Family Licross® 21 Protected	Order number: 52TP12CN49XG EAN: 4058352903841	LP number 58524_247
Version	prismatic cover, frosted, wide distribution	serial documentation 17.08.2023
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-Multilumen CLOi	
Rated values	Net luminous flux = 9110 lm Power consumption = 50.4 W Luminous efficacy = 180.7 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 631 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=73 N2=92 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.6%
ϕ_o	1.4%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Protected	Order number: 52TP12CN49XG EAN: 4058352903841	LP number 58524_247
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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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: 52TP12CN49XG EAN: 4058352903841	LP number 58524_247
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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	22.4	21.3	22.7	23.0	17.7	19.1	18.0	19.4	19.7
	3H	21.4	22.6	21.7	23.0	23.3	18.0	19.3	18.4	19.7	20.0
	4H	21.6	22.8	22.0	23.1	23.5	18.2	19.4	18.6	19.7	20.1
	6H	21.9	22.9	22.3	23.3	23.7	18.3	19.4	18.7	19.8	20.2
	8H	22.1	23.0	22.6	23.4	23.8	18.4	19.4	18.8	19.8	20.2
	12H	22.3	23.1	22.7	23.5	23.9	18.4	19.4	18.9	19.8	20.2
4H	2H	21.0	22.2	21.4	22.5	22.9	18.2	19.4	18.6	19.7	20.1
	3H	21.6	22.5	22.0	22.9	23.3	18.7	19.7	19.1	20.1	20.5
	4H	21.9	22.8	22.3	23.2	23.6	18.9	19.8	19.4	20.2	20.6
	6H	22.3	23.0	22.8	23.5	23.9	19.1	19.9	19.6	20.3	20.8
	8H	22.5	23.2	23.0	23.7	24.1	19.2	19.9	19.6	20.3	20.8
	12H	22.8	23.4	23.3	23.9	24.3	19.2	19.9	19.7	20.3	20.8
8H	4H	21.9	22.6	22.4	23.0	23.5	19.1	19.8	19.6	20.3	20.7
	6H	22.4	23.0	22.9	23.4	23.9	19.4	20.0	19.9	20.5	21.0
	8H	22.7	23.2	23.2	23.7	24.2	19.5	20.0	20.0	20.5	21.1
	12H	23.1	23.5	23.6	24.0	24.6	19.7	20.1	20.2	20.6	21.1
12H	4H	21.9	22.5	22.4	23.0	23.5	19.2	19.8	19.7	20.2	20.7
	6H	22.4	22.9	22.9	23.4	23.9	19.5	20.0	20.0	20.5	21.0
	8H	22.8	23.2	23.3	23.7	24.2	19.7	20.1	20.2	20.6	21.1

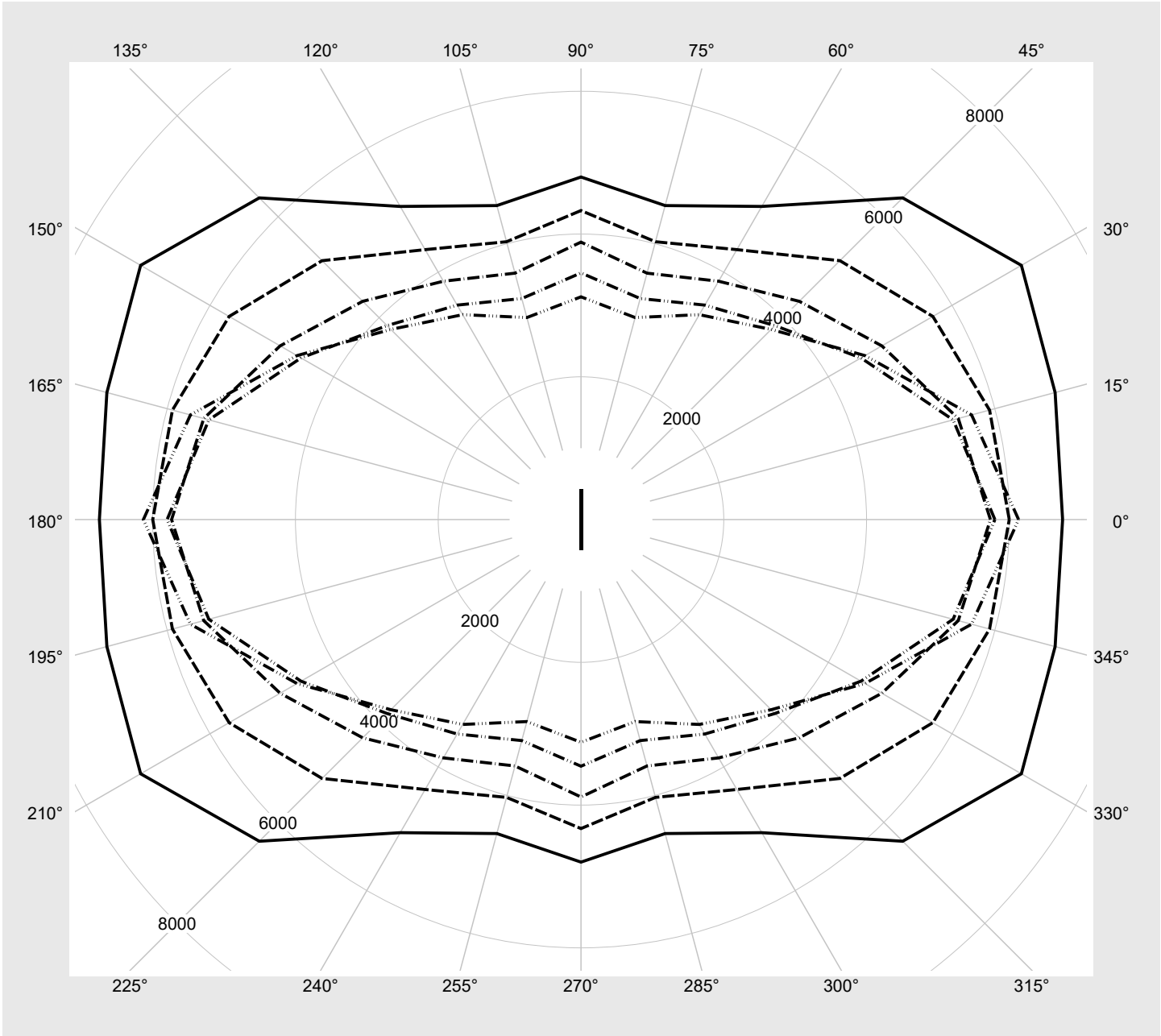
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°	20464.8	21750.0	23805.6	21432.9	15213.5	11300.0	10494.7	
	50°	14653.3	15657.9	17487.6	15592.1	10911.8	8264.1	7864.6	
	55°	10730.9	11417.4	12761.0	11199.0	7967.9	6436.5	6371.1	
	60°	8210.9	8589.0	9371.7	8307.6	6172.5	5292.5	5439.0	
	65°	6746.3	6875.9	7123.1	6373.0	5065.0	4553.8	4798.8	
	70°	5999.3	5925.1	5691.2	5129.0	4366.4	4029.4	4328.8	
	75°	5735.3	5471.0	4866.4	4324.0	3855.4	3573.6	3886.6	
	80°	5797.9	5396.9	4528.6	3842.1	3469.0	3205.5	3455.2	
	85°	6129.9	5664.3	4593.6	3767.2	3314.3	2929.7	3120.2	

Photometric test report

Family Licross® 21 Protected	Order number: 52TP12CN49XG EAN: 4058352903841	LP number 58524_247
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Photometric test report

Family Licross® 21 Protected	Order number: 52TP12CN49XG EAN: 4058352903841	LP number 58524_247
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Multilumen Table	environmental temperature: 25°C	sITeco
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	9110	50.4	60.5	55.4
2	A	C	F	8533	47.0	56.1	51.6
3	A	D	E	8018	43.9	52.6	48.2
4	A	D	F	7504	41.0	48.7	44.8
5	B	C	E	7053	38.4	45.6	42.0
6	B	C	F	6528	35.4	41.7	38.6
7	B	D	E	6066	32.8	38.8	35.8
8	B	D	F	5531	29.9	35.4	32.6