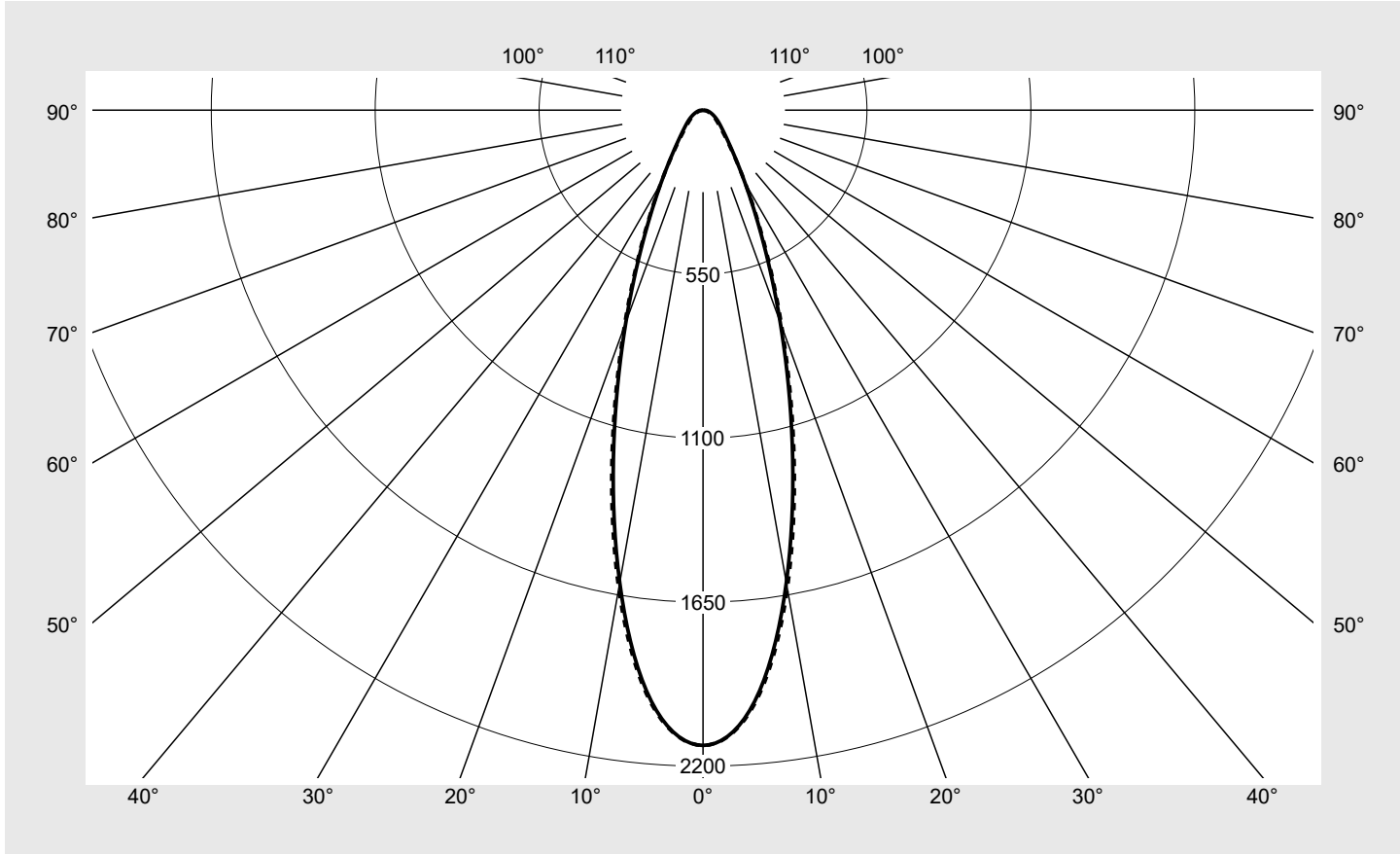


Photometric test report

Family Licross® 21 Protected	Order number: 52TP11CN4C5S EAN: 4058352903643	LP number 58525_165
Version	prismatic cover, frosted, narrow distribution	serial documentation 17.08.2023
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-Multilumen CLOi	
Rated values	Net luminous flux = 12650 lm Power consumption = 68.9 W Luminous efficacy = 183.6 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 Imax: 2130 cd/klm



Classifications	
DIN 5040	A 7 1
CIE	N1=84 N2=94 N3=98 N4=99 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	99.1%
ϕ_o	0.9%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 21 Protected	Order number: 52TP11CN4C5S EAN: 4058352903643	LP number 58525_165
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0°	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
	180°	Luminous intensity in cd/klm							Luminous flux in lm/klm
0°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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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Family Licross® 21 Protected	Order number: 52TP11CN4C5S EAN: 4058352903643	LP number 58525_165
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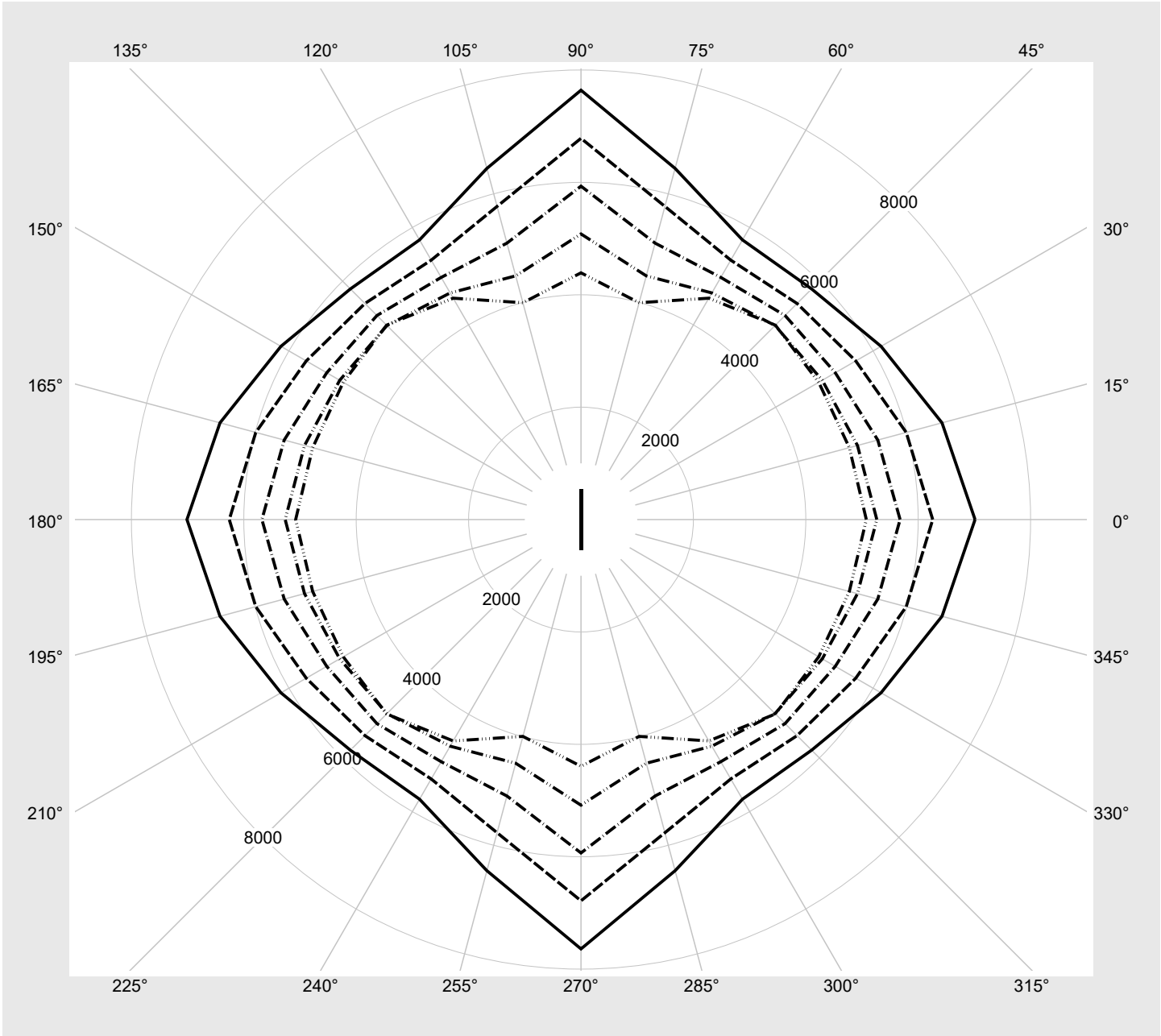
UGR-Table		Standard room									
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	16.9	18.1	17.2	18.4	18.7	16.5	17.7	16.9	18.0	18.4
	3H	18.0	19.0	18.3	19.4	19.7	17.4	18.5	17.8	18.8	19.2
	4H	18.5	19.4	18.9	19.8	20.2	17.8	18.8	18.2	19.1	19.5
	6H	18.9	19.8	19.4	20.2	20.6	18.1	19.0	18.5	19.4	19.7
	8H	19.2	20.0	19.7	20.4	20.8	18.3	19.0	18.7	19.4	19.8
	12H	19.4	20.1	19.9	20.5	20.9	18.3	19.0	18.8	19.4	19.8
4H	2H	17.1	18.1	17.5	18.5	18.8	16.8	17.8	17.2	18.2	18.5
	3H	18.4	19.2	18.8	19.6	20.0	17.9	18.7	18.3	19.1	19.5
	4H	19.0	19.8	19.5	20.2	20.6	18.4	19.1	18.8	19.5	20.0
	6H	19.7	20.3	20.1	20.7	21.2	18.8	19.4	19.2	19.8	20.3
	8H	20.0	20.5	20.4	21.0	21.5	18.9	19.5	19.4	19.9	20.4
	12H	20.3	20.7	20.8	21.2	21.7	19.0	19.5	19.5	20.0	20.5
8H	4H	19.2	19.8	19.7	20.2	20.7	18.6	19.2	19.1	19.6	20.1
	6H	20.0	20.4	20.5	20.9	21.4	19.2	19.6	19.7	20.1	20.6
	8H	20.4	20.8	20.9	21.3	21.8	19.3	19.7	19.8	20.2	20.8
	12H	20.8	21.1	21.3	21.6	22.2	19.5	19.8	20.0	20.3	20.9
12H	4H	19.3	19.7	19.7	20.2	20.7	18.7	19.1	19.2	19.6	20.1
	6H	20.0	20.4	20.6	20.9	21.4	19.2	19.6	19.8	20.1	20.6
	8H	20.5	20.8	21.0	21.3	21.9	19.5	19.8	20.0	20.3	20.9

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	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	195°	210°	225°	240°	255°	
		345°	345°	330°	315°	300°	285°	
		Luminance in cd/m ²						
45°		12290.8	11727.0	10700.9	10274.5	10660.9	11709.7	12824.0
50°		10369.4	9771.4	8747.6	8212.0	8475.7	9587.8	10852.1
55°		9033.3	8471.2	7570.3	7018.0	7165.8	8248.4	9592.3
60°		7933.3	7461.9	6767.5	6289.1	6309.4	7264.6	8569.2
65°		7011.9	6650.5	6165.4	5803.7	5746.3	6469.3	7640.5
70°		6258.6	5991.3	5645.2	5437.6	5330.6	5769.3	6784.3
75°		5678.1	5467.6	5224.5	5135.4	4975.7	5092.7	5932.9
80°		5263.9	5093.2	4957.6	4883.5	4656.8	4489.6	5082.5
85°		5077.2	4943.1	4884.9	4892.0	4548.8	3994.9	4390.5

Photometric test report

Family Licross® 21 Protected	Order number: 52TP11CN4C5S EAN: 4058352903643	LP number 58525_165
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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°



Photometric test report

Family Licross® 21 Protected	Order number: 52TP11CN4C5S EAN: 4058352903643	LP number 58525_165
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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			end of lifetime [W]	average [W]
1	A	C	E	12650	68.9	83.2	76.1
2	A	C	F	12209	66.3	80.2	73.2
3	A	D	E	11180	60.3	72.4	66.4
4	A	D	F	10130	54.3	65.0	59.6
5	B	C	E	9144	48.8	58.1	53.4
6	B	C	F	8146	43.3	51.8	47.6
7	B	D	E	7139	37.9	45.0	41.4
8	B	D	F	6120	32.5	38.3	35.4