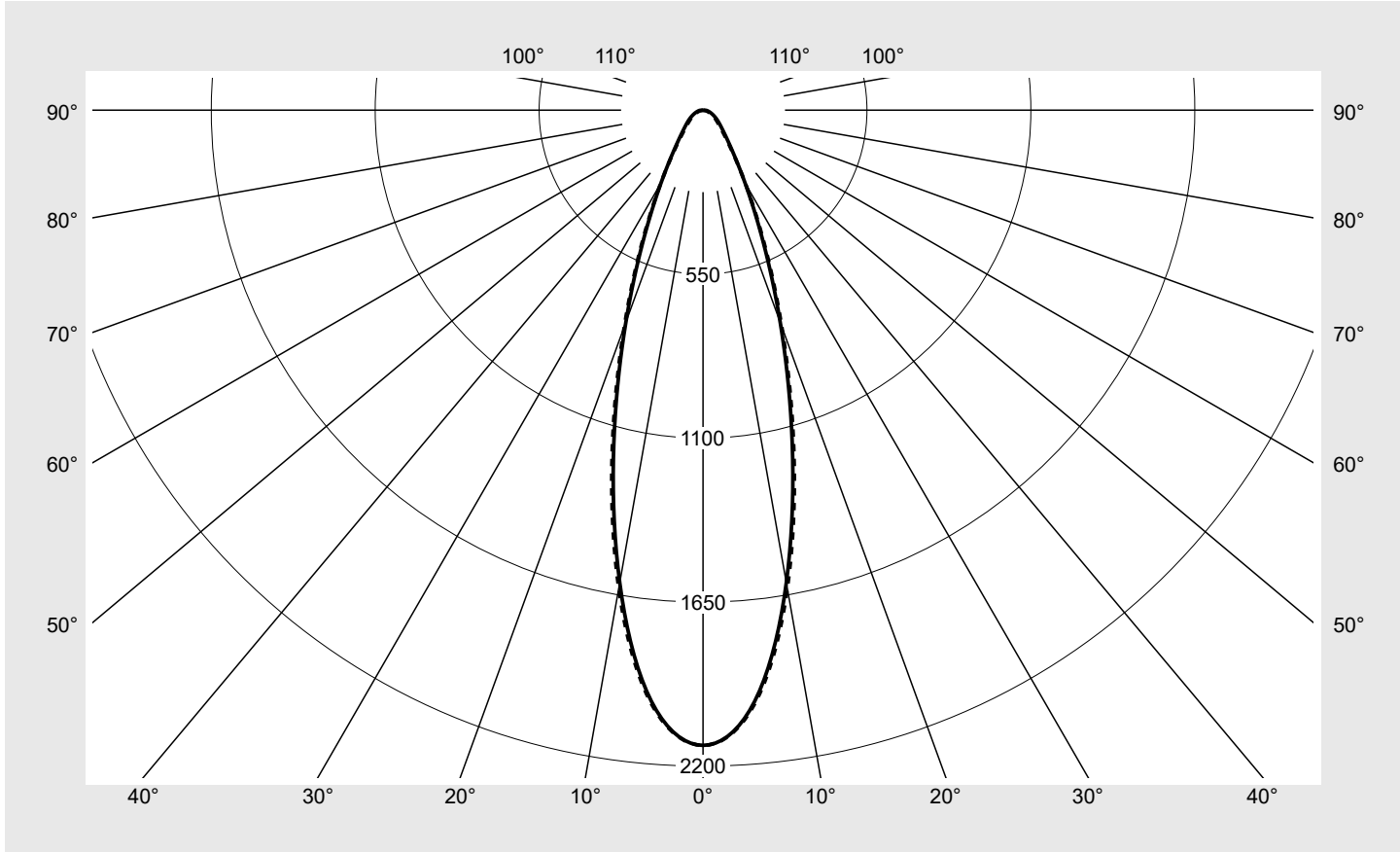


Photometric test report

Family Licross® 21 Protected	Order number: 52TP11DN4AXS EAN: 4058352903728	LP number 58525_150
Version	prismatic cover, frosted, narrow distribution	serial documentation 03.08.2023
Lamps	LED 4000 K CRI ≥ 80	
Controlgear	ECG-DALI	
Rated values	Net luminous flux = 10000 lm Power consumption = 55.1 W Luminous efficacy = 181.5 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: 52TP11DN4AXS EAN: 4058352903728	LP number 58525_150
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°	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

Photometric test report

Family Licross® 21 Protected	Order number: 52TP11DN4AXS EAN: 4058352903728	LP number 58525_150
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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	16.1	17.3	16.4	17.6	17.9	15.7	16.9	16.0	17.2	17.5
	3H	17.1	18.2	17.5	18.5	18.9	16.6	17.7	17.0	18.0	18.4
	4H	17.6	18.6	18.0	19.0	19.4	17.0	18.0	17.4	18.3	18.7
	6H	18.1	19.0	18.5	19.4	19.8	17.3	18.2	17.7	18.5	18.9
	8H	18.4	19.2	18.9	19.6	20.0	17.5	18.2	17.9	18.6	19.0
	12H	18.6	19.3	19.1	19.7	20.1	17.5	18.2	17.9	18.6	19.0
4H	2H	16.3	17.3	16.7	17.7	18.0	16.0	17.0	16.4	17.3	17.7
	3H	17.6	18.4	18.0	18.8	19.2	17.1	17.9	17.5	18.3	18.7
	4H	18.2	19.0	18.7	19.4	19.8	17.6	18.3	18.0	18.7	19.2
	6H	18.8	19.5	19.3	19.9	20.4	18.0	18.6	18.4	19.0	19.5
	8H	19.2	19.7	19.6	20.2	20.6	18.1	18.7	18.6	19.1	19.6
	12H	19.5	19.9	19.9	20.4	20.9	18.2	18.7	18.7	19.1	19.6
8H	4H	18.4	19.0	18.9	19.4	19.9	17.8	18.4	18.3	18.8	19.3
	6H	19.2	19.6	19.7	20.1	20.6	18.3	18.8	18.8	19.3	19.8
	8H	19.5	20.0	20.1	20.4	21.0	18.5	18.9	19.0	19.4	19.9
	12H	20.0	20.3	20.5	20.8	21.3	18.7	19.0	19.2	19.5	20.1
12H	4H	18.4	18.9	18.9	19.4	19.9	17.9	18.3	18.4	18.8	19.3
	6H	19.2	19.6	19.7	20.1	20.6	18.4	18.8	18.9	19.3	19.8
	8H	19.7	20.0	20.2	20.5	21.0	18.7	19.0	19.2	19.5	20.1

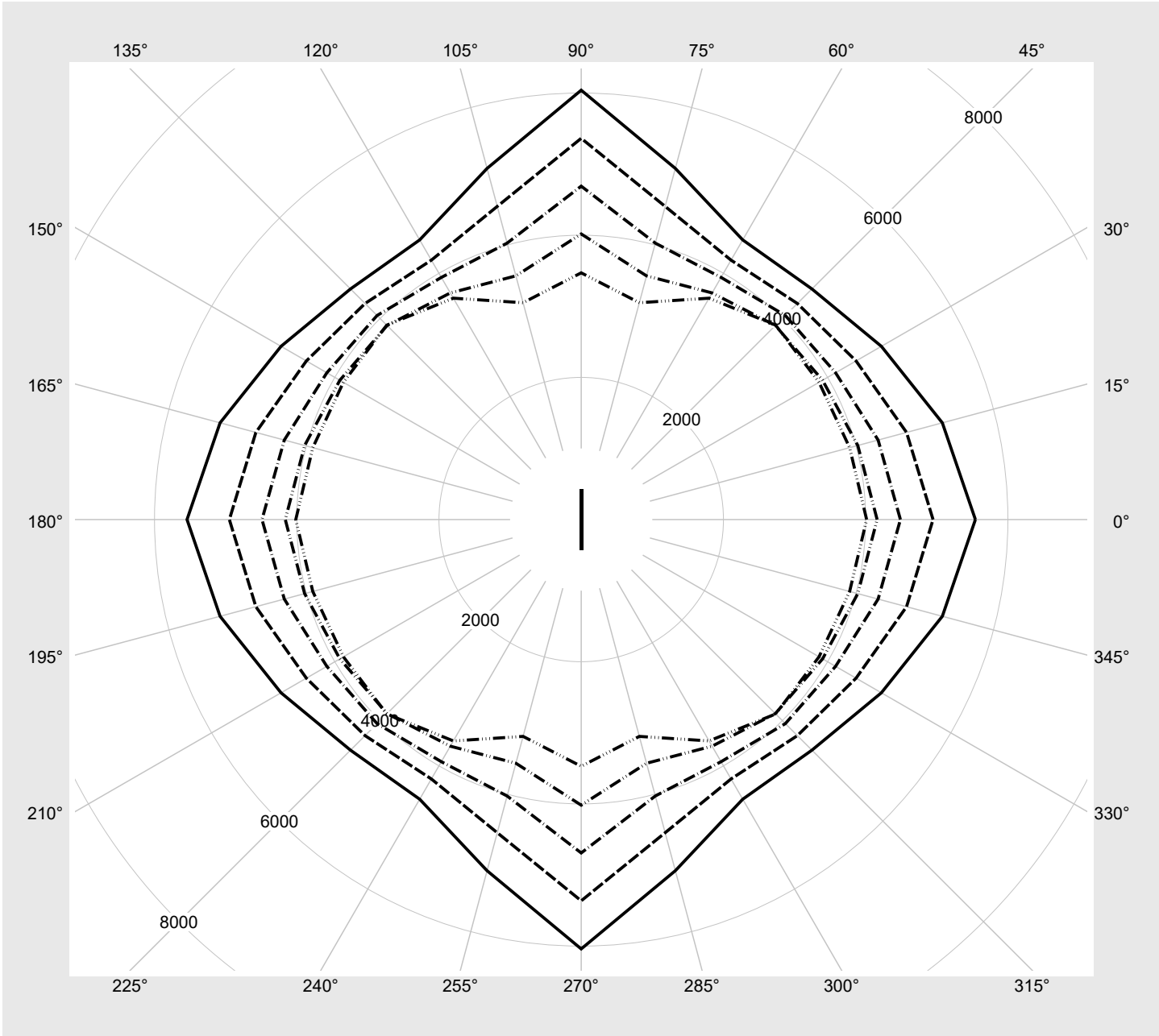
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°		9716.1	9270.4	8459.2	8122.1	8427.6	9256.7	10137.5	
50°		8197.1	7724.5	6915.1	6491.7	6700.2	7579.3	8578.7	
55°		7140.9	6696.6	5984.4	5547.8	5664.7	6520.4	7582.9	
60°		6271.4	5898.7	5349.8	4971.7	4987.6	5742.8	6774.1	
65°		5543.0	5257.3	4873.8	4587.9	4542.5	5114.1	6039.9	
70°		4947.5	4736.2	4462.6	4298.5	4213.9	4560.7	5363.1	
75°		4488.6	4322.3	4130.1	4059.6	3933.3	4025.9	4690.1	
80°		4161.2	4026.3	3919.1	3860.5	3681.3	3549.1	4017.8	
85°		4013.6	3907.6	3861.6	3867.2	3595.9	3158.0	3470.7	

Photometric test report

Family Licross® 21 Protected	Order number: 52TP11DN4AXS EAN: 4058352903728	LP number 58525_150
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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: 52TP11DN4AXS EAN: 4058352903728	LP number 58525_150
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	10000	55.1
95	241	252	9512	52.5
90	227	250	8981	49.5
85	214	248	8487	46.8
80	201	245	7990	44.2
75	188	243	7491	41.4
70	175	240	6985	38.7
65	162	238	6481	35.9
60	150	235	6010	33.4
55	137	231	5500	30.8
50	124	228	4986	28.0
45	112	224	4510	25.5
40	99	219	3990	22.7
35	87	215	3511	20.1
30	74	209	2987	17.6
25	62	202	2504	15.4
20	50	194	2016	13.2
15	37	183	1488	10.3
10	25	169	996	6.6
5	13	145	502	2.5