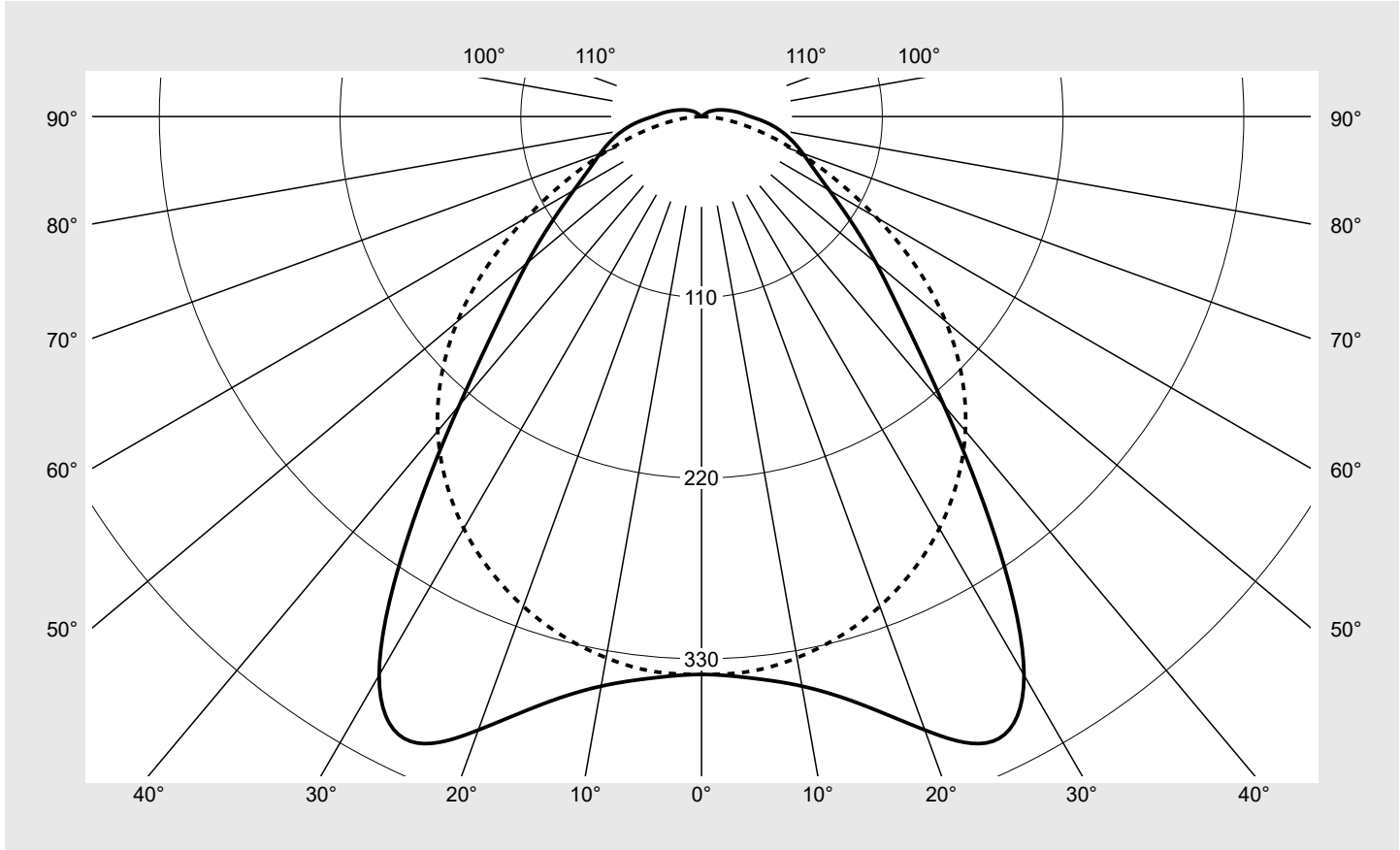


Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BDN4D5M EAN: 4058352903308	LP number 58521_153
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 13950 lm Power consumption = 84.9 W Luminous efficacy = 164.3 lm/W	serial documentation 03.08.2023
		

Luminous intensity in cd/klm **C180-0** **C270-90** **Imax: 419 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: 52TD1BDN4D5M EAN: 4058352903308	LP number 58521_153
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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	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: 52TD1BDN4D5M EAN: 4058352903308	LP number 58521_153
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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	22.3	24.0	22.7	24.3	24.6	24.2	25.8	24.5	26.1	26.4
	3H	23.5	25.0	23.9	25.3	25.7	25.2	26.7	25.6	27.0	27.3
	4H	24.2	25.6	24.6	25.9	26.3	25.5	26.9	25.9	27.3	27.6
	6H	25.0	26.3	25.4	26.6	27.0	25.8	27.1	26.2	27.4	27.8
	8H	25.4	26.6	25.8	27.0	27.4	25.9	27.1	26.3	27.5	27.9
	12H	25.8	26.9	26.2	27.3	27.7	26.0	27.1	26.4	27.5	27.9
4H	2H	23.2	24.5	23.5	24.9	25.3	24.6	26.0	25.0	26.4	26.7
	3H	24.5	25.7	25.0	26.1	26.5	25.9	27.1	26.3	27.4	27.9
	4H	25.4	26.4	25.8	26.8	27.3	26.4	27.4	26.8	27.9	28.3
	6H	26.3	27.2	26.7	27.6	28.1	26.7	27.7	27.2	28.1	28.6
	8H	26.7	27.6	27.2	28.0	28.5	26.9	27.7	27.3	28.2	28.6
	12H	27.2	28.0	27.7	28.4	28.9	27.0	27.7	27.5	28.2	28.7
8H	4H	25.8	26.6	26.2	27.1	27.5	26.7	27.5	27.1	28.0	28.4
	6H	26.9	27.6	27.3	28.0	28.5	27.2	27.9	27.7	28.4	28.9
	8H	27.4	28.1	27.9	28.6	29.1	27.4	28.0	27.9	28.5	29.0
	12H	28.1	28.6	28.6	29.1	29.7	27.6	28.1	28.1	28.6	29.1
12H	4H	25.8	26.6	26.3	27.0	27.5	26.7	27.5	27.2	27.9	28.4
	6H	27.0	27.6	27.5	28.1	28.6	27.3	27.9	27.8	28.4	28.9
	8H	27.6	28.2	28.1	28.7	29.2	27.6	28.1	28.1	28.6	29.2

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°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	45°	25487.2	26783.9	30546.0	36294.6	40435.2	39299.6	38292.8	
50°	50°	21729.4	22780.0	25862.9	30834.6	35401.9	36442.7	36452.4	
55°	55°	18866.2	19800.0	22692.2	26955.6	30759.2	32334.0	33616.6	
60°	60°	16835.7	17555.8	20014.5	24118.5	26930.3	27917.8	29742.8	
65°	65°	15869.1	16356.7	18053.6	21653.2	23920.0	23889.2	25498.1	
70°	70°	15886.0	16116.9	16899.0	19515.9	21417.8	20418.2	21675.0	
75°	75°	16463.7	16516.6	16530.6	17922.6	19102.5	17372.7	18312.7	
80°	80°	17369.9	17277.8	16880.4	16946.1	17127.1	14974.3	15269.5	
85°	85°	18661.7	18578.6	18086.2	17375.0	16214.1	13371.5	12786.4	

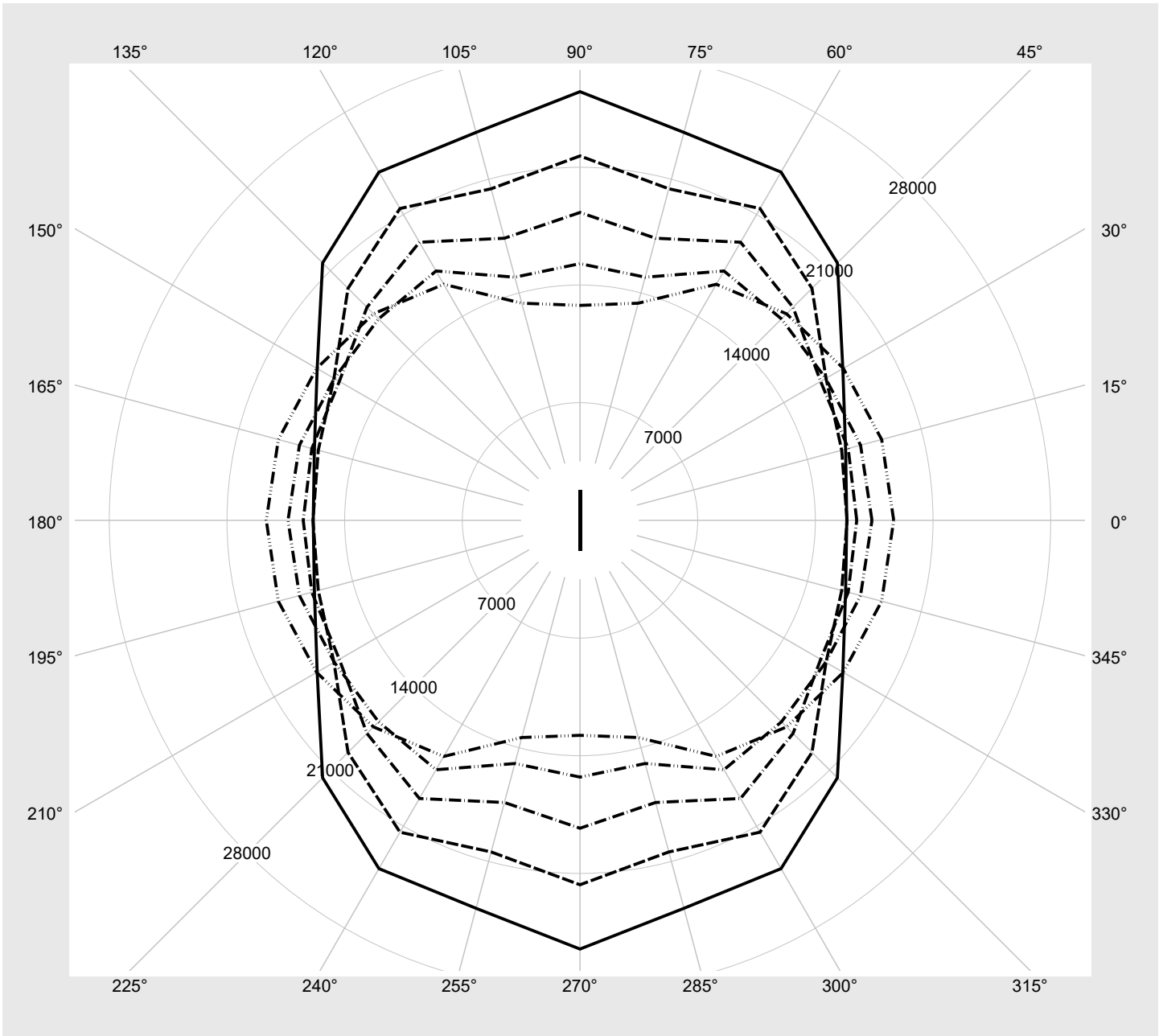
Photometric test report

Family Licross® 21 Protected	Order number: 52TD1BDN4D5M EAN: 4058352903308	LP number 58521_153
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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: 52TD1BDN4D5M EAN: 4058352903308	LP number 58521_153
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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	13950	84.9
95	240	252	13243	80.1
90	227	250	12578	75.8
85	213	248	11855	71.1
80	200	245	11178	66.8
75	186	243	10439	62.2
70	173	240	9747	58.0
65	160	237	9047	53.7
60	148	234	8396	49.8
55	135	231	7686	45.5
50	122	227	6970	41.4
45	110	223	6302	37.5
40	97	219	5573	33.3
35	85	214	4895	29.5
30	72	208	4157	25.5
25	60	201	3470	21.6
20	48	193	2778	17.9
15	36	182	2081	14.1
10	24	168	1384	10.3
5	12	142	679	6.6
1	4	102	206	4.3