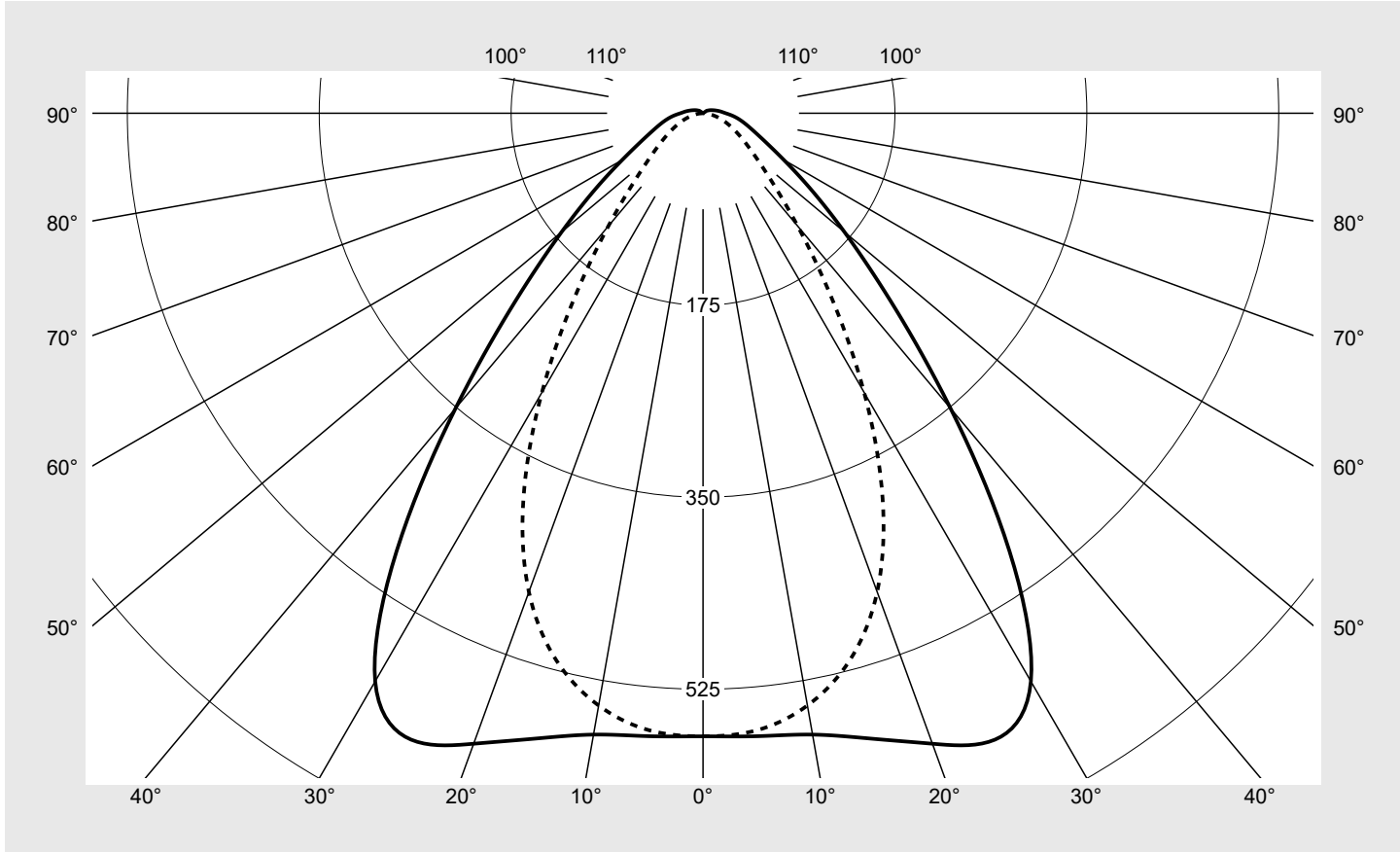


Photometric test report

Family Licross® 11 Protected	Order number: 51TP12MN4F5M EAN: 4058352930304	LP number 58523_222
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG Multilumen Rated values Net luminous flux = 15820 lm Power consumption = 87.4 W Luminous efficacy = 181 lm/W	serial documentation 11.10.2023
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 630 cd/klm**



Classifications	
DIN 5040	A 5 1
CIE	N1=70 N2=91 N3=97 N4=98 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	98.3%
ϕ_o	1.7%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® 11 Protected	Order number: 51TP12MN4F5M EAN: 4058352930304	LP number 58523_222
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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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® 11 Protected	Order number: 51TP12MN4F5M EAN: 4058352930304	LP number 58523_222
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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	23.6	25.0	23.9	25.3	25.7	19.4	20.9	19.8	21.2	21.5
	3H	24.2	25.4	24.5	25.8	26.1	19.8	21.1	20.2	21.5	21.8
	4H	24.5	25.7	24.9	26.0	26.4	20.0	21.2	20.4	21.6	22.0
	6H	24.9	26.0	25.3	26.3	26.7	20.2	21.3	20.6	21.7	22.1
	8H	25.2	26.1	25.6	26.5	26.9	20.2	21.3	20.7	21.7	22.1
	12H	25.4	26.3	25.9	26.7	27.1	20.3	21.3	20.7	21.7	22.1
4H	2H	23.6	24.8	24.0	25.2	25.6	20.1	21.3	20.5	21.6	22.0
	3H	24.3	25.4	24.8	25.8	26.2	20.6	21.6	21.1	22.0	22.4
	4H	24.8	25.7	25.2	26.1	26.5	20.9	21.8	21.3	22.2	22.6
	6H	25.4	26.1	25.8	26.6	27.0	21.1	21.9	21.6	22.3	22.8
	8H	25.7	26.4	26.2	26.8	27.3	21.2	21.9	21.7	22.4	22.8
	12H	26.1	26.6	26.5	27.1	27.6	21.3	21.9	21.7	22.4	22.9
8H	4H	24.8	25.5	25.3	26.0	26.5	21.2	21.9	21.7	22.3	22.8
	6H	25.5	26.1	26.0	26.5	27.0	21.5	22.1	22.0	22.6	23.1
	8H	25.9	26.4	26.4	26.9	27.4	21.7	22.2	22.2	22.7	23.2
	12H	26.4	26.8	26.9	27.3	27.8	21.8	22.2	22.3	22.7	23.3
12H	4H	24.8	25.4	25.3	25.9	26.4	21.3	21.9	21.8	22.3	22.8
	6H	25.5	26.0	26.0	26.5	27.0	21.7	22.1	22.2	22.6	23.2
	8H	25.9	26.3	26.4	26.8	27.4	21.8	22.3	22.4	22.8	23.3

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°	40152.5	41842.8	43548.7	36731.3	25115.3	18691.5	17429.7	
	50°	29937.2	31128.6	32551.9	27012.7	18304.4	14143.9	13584.3	
	55°	22942.0	23669.5	24433.2	19915.2	13790.2	11336.4	11354.6	
	60°	18098.0	18397.9	18501.0	15050.4	10942.3	9532.9	9883.9	
	65°	15237.5	15083.5	14418.7	11821.3	9187.3	8326.1	8811.9	
	70°	13843.5	13246.8	11714.3	9716.5	8073.9	7414.2	7963.5	
	75°	13471.4	12436.9	10153.2	8351.4	7248.8	6608.8	7150.2	
	80°	13784.3	12382.7	9524.1	7540.1	6619.0	5958.3	6327.7	
	85°	14702.8	13100.6	9729.3	7484.5	6432.8	5539.4	5693.5	

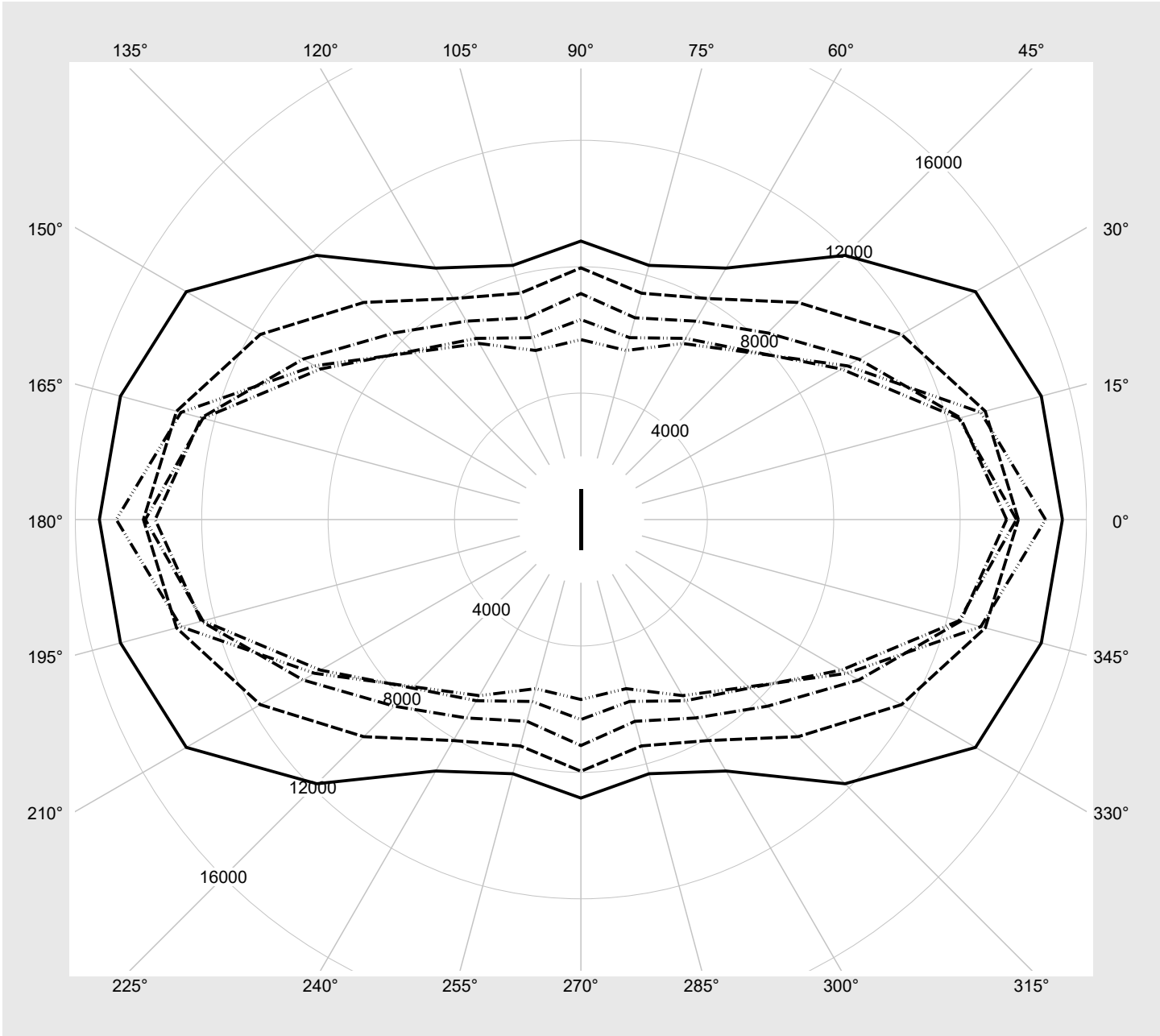
Photometric test report

Family Licross® 11 Protected	Order number: 51TP12MN4F5M EAN: 4058352930304	LP number 58523_222
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Licross® 11 Protected	Order number: 51TP12MN4F5M EAN: 4058352930304	LP number 58523_222
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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]
	1	2	3		
1	A	C	E	15820	87.4
2	A	C	F	15040	82.6
3	A	D	E	14020	76.2
4	A	D	F	13000	70.1
5	B	C	E	12030	64.3
6	B	C	F	10980	58.3
7	B	D	E	9990	52.6
8	B	D	F	8990	47.0