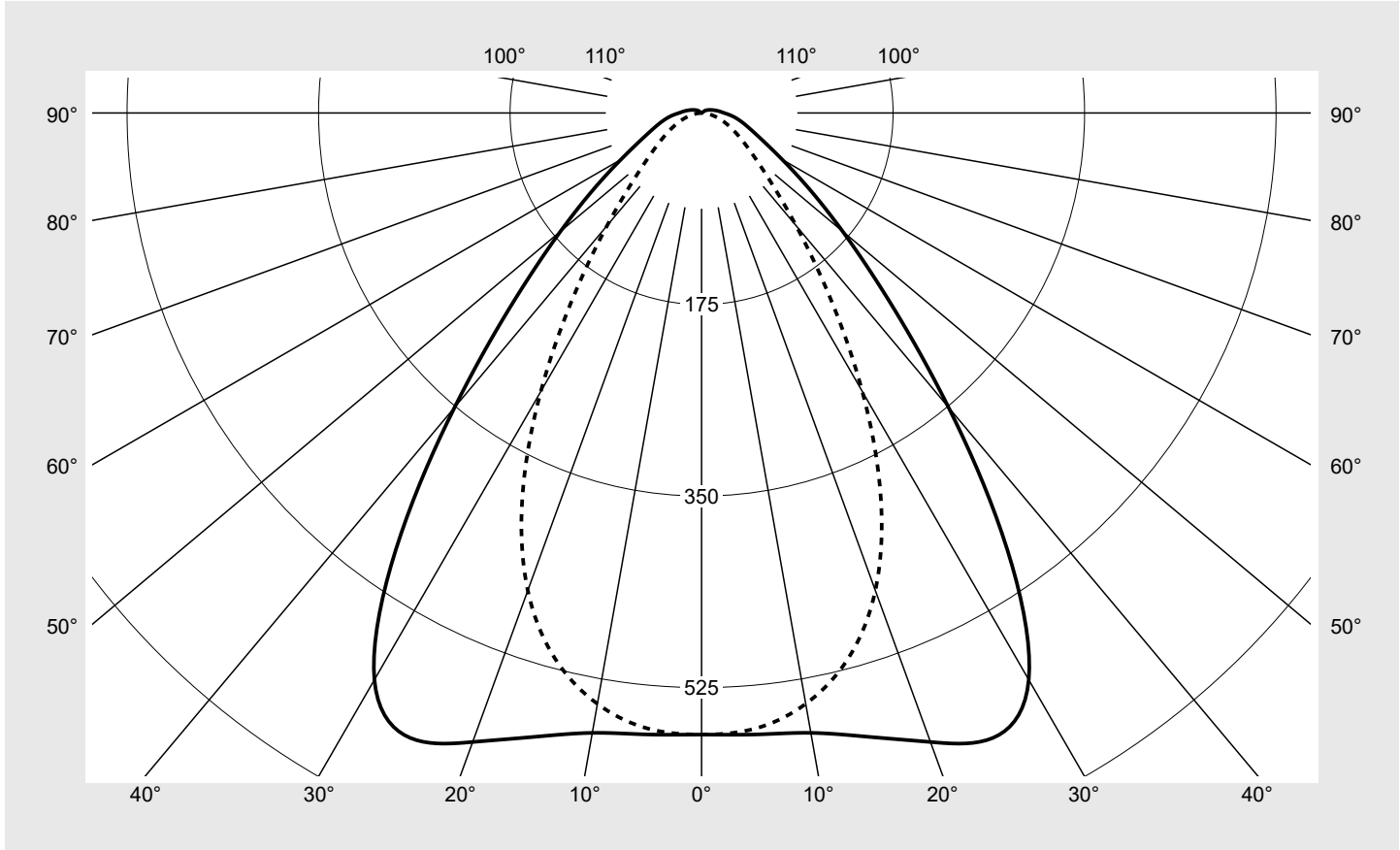


Photometric test report

Family Licross® Protected	Order number: 51TP12CN4DXLD EAN: 4058352418475	LP number 58523_24
	Version prismatic cover, frosted, wide distribution Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-Multilumen CLOi Setting AC-mode Rated values Net luminous flux = 13270 lm Power consumption = 78.7 W Luminous efficacy = 168.6 lm/W	serial documentation 26.08.2020



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® Protected	Order number: 51TP12CN4DXLD EAN: 4058352418475	LP number 58523_24
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® Protected	Order number: 51TP12CN4DXLD EAN: 4058352418475	LP number 58523_24
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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	23.0	24.4	23.3	24.7	25.0	18.8	20.2	19.1	20.5	20.9
	3H	23.6	24.8	23.9	25.2	25.5	19.2	20.5	19.6	20.9	21.2
	4H	23.9	25.1	24.3	25.4	25.8	19.4	20.6	19.8	21.0	21.4
	6H	24.3	25.4	24.7	25.7	26.1	19.5	20.7	20.0	21.1	21.5
	8H	24.6	25.5	25.0	25.9	26.3	19.6	20.7	20.1	21.1	21.5
	12H	24.8	25.7	25.3	26.1	26.5	19.7	20.7	20.1	21.1	21.5
4H	2H	23.0	24.2	23.4	24.6	24.9	19.5	20.6	19.9	21.0	21.4
	3H	23.7	24.8	24.2	25.1	25.6	20.0	21.0	20.4	21.4	21.8
	4H	24.2	25.1	24.6	25.5	25.9	20.3	21.2	20.7	21.6	22.0
	6H	24.7	25.5	25.2	26.0	26.4	20.5	21.3	21.0	21.7	22.2
	8H	25.1	25.8	25.5	26.2	26.7	20.6	21.3	21.0	21.7	22.2
	12H	25.5	26.0	25.9	26.5	27.0	20.6	21.3	21.1	21.7	22.2
8H	4H	24.2	24.9	24.7	25.4	25.8	20.6	21.3	21.1	21.7	22.2
	6H	24.8	25.4	25.3	25.9	26.4	20.9	21.5	21.4	22.0	22.5
	8H	25.3	25.8	25.8	26.3	26.8	21.0	21.6	21.5	22.1	22.6
	12H	25.8	26.2	26.3	26.7	27.2	21.2	21.6	21.7	22.1	22.6
12H	4H	24.2	24.8	24.7	25.3	25.8	20.7	21.3	21.2	21.7	22.2
	6H	24.9	25.4	25.4	25.9	26.4	21.1	21.5	21.6	22.0	22.5
	8H	25.3	25.7	25.8	26.2	26.8	21.2	21.6	21.7	22.2	22.7

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

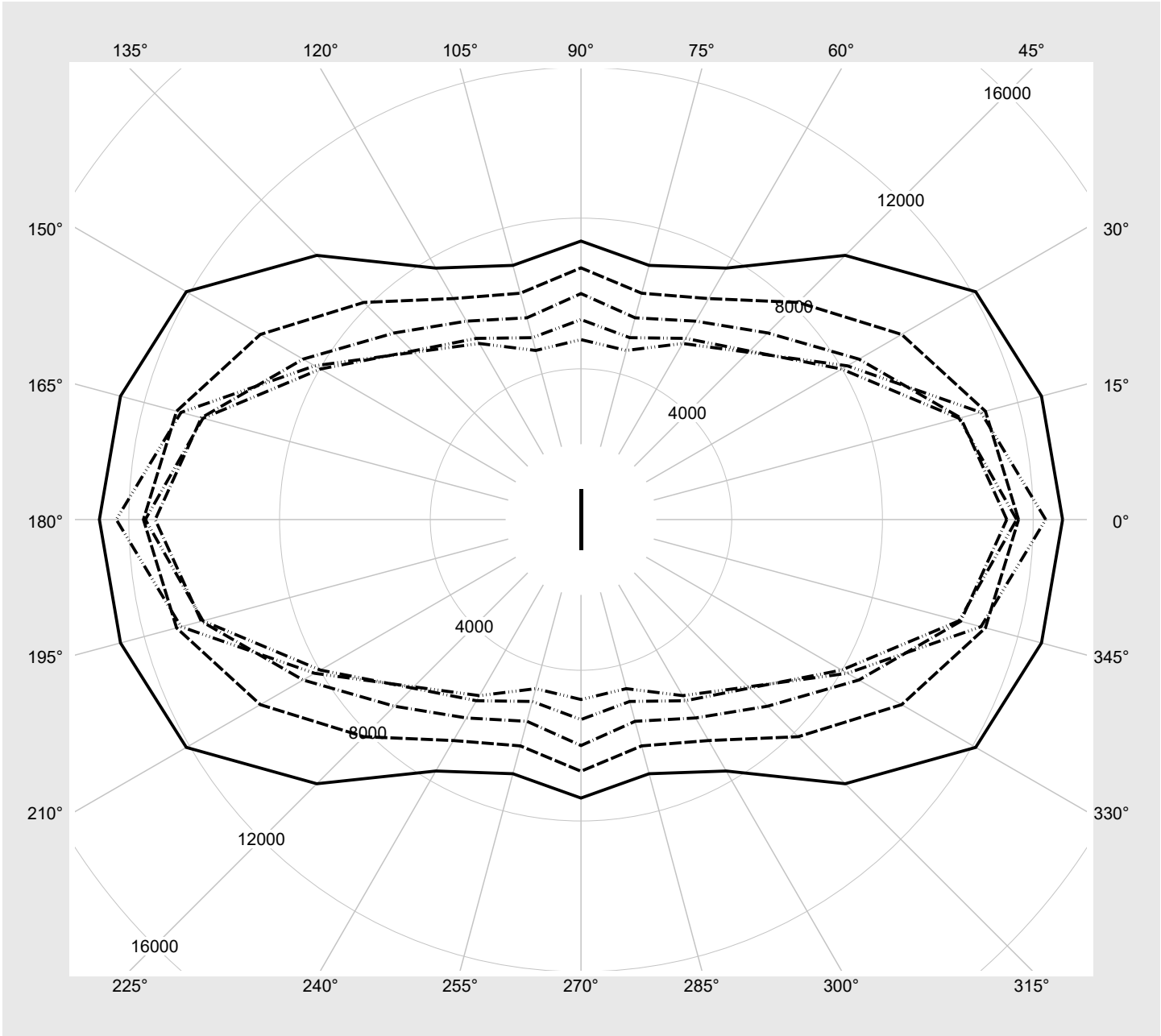
C-planes	γ	Luminance in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		33680.4	35098.2	36529.2	30810.6	21067.0	15678.6	14620.2
50°		25111.7	26111.1	27304.9	22658.6	15353.9	11864.0	11394.7
55°		19244.0	19854.2	20494.9	16705.1	11567.3	9509.1	9524.4
60°		15180.8	15432.4	15518.8	12624.5	9178.5	7996.3	8290.8
65°		12781.4	12652.2	12094.5	9915.8	7706.4	6984.0	7391.6
70°		11612.1	11111.6	9826.1	8150.3	6772.5	6219.1	6679.9
75°		11300.0	10432.2	8516.6	7005.3	6080.4	5543.6	5997.6
80°		11562.4	10386.8	7988.9	6324.7	5552.1	4997.9	5307.7
85°		12332.9	10988.9	8161.0	6278.1	5395.9	4646.5	4775.8

Photometric test report

Family Licross® Protected	Order number: 51TP12CN4DXLD EAN: 4058352418475	LP number 58523_24
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



Photometric test report

Family Licross® Protected	Order number: 51TP12CN4DXLD EAN: 4058352418475	LP number 58523_24
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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	13270	78.7	87.9	83.3
2	A	C	F	12060	70.6	78.8	74.7
3	A	D	E	11030	64.0	71.2	67.6
4	A	D	F	10050	57.8	64.0	60.9
5	B	C	E	9060	51.7	57.0	54.4
6	B	C	F	8060	45.7	50.4	48.0
7	B	D	E	7040	39.7	43.5	41.6
8	B	D	F	6080	34.2	37.6	35.9