

Photometric test report

Family
Licross® Protected

Order number: 51TS12CN475F
EAN: 4058352265123

LP number
58522_22



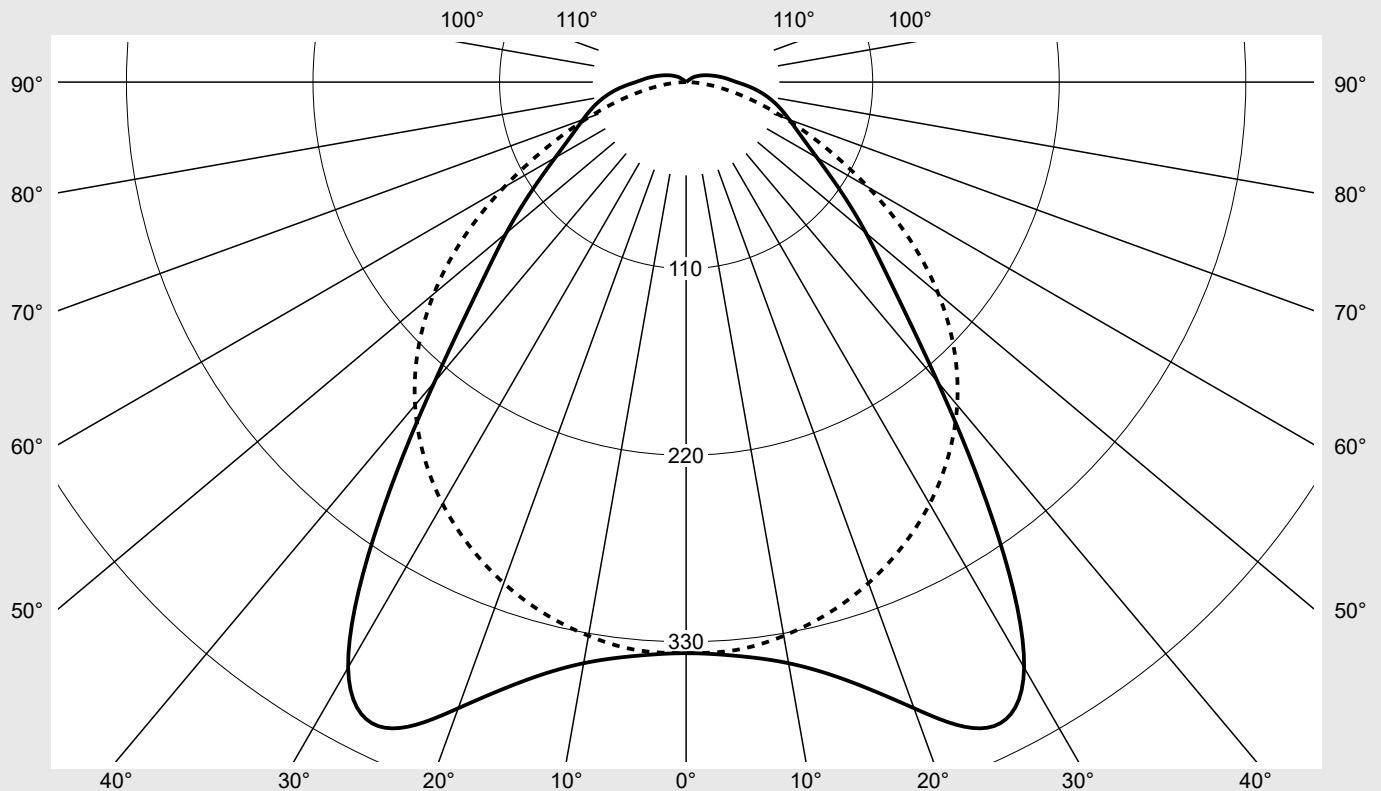
Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 7680 lm
 Power consumption = 49.0 W
 Luminous efficacy = 156.7 lm/W

serial
documentation
12.12.2019

sitEco

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

Imax: 420 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® Protected	Order number: 51TS12CN475F EAN: 4058352265123	LP number 58522_22
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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	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® Protected	Order number: 51TS12CN475F EAN: 4058352265123	LP number 58522_22
-------------------------------------	--	------------------------------

UGR-Table	Standard room	siteco
------------------	----------------------	---------------

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	20.3	21.9	20.6	22.2	22.5	22.1	23.8	22.5	24.1	24.4
	3H	21.4	22.9	21.8	23.2	23.6	23.1	24.6	23.5	25.0	25.3
	4H	22.1	23.5	22.5	23.9	24.2	23.5	24.9	23.9	25.2	25.6
	6H	22.9	24.2	23.3	24.5	24.9	23.8	25.0	24.2	25.4	25.8
	8H	23.3	24.5	23.7	24.9	25.3	23.9	25.0	24.3	25.4	25.8
	12H	23.7	24.8	24.1	25.2	25.6	23.9	25.0	24.3	25.4	25.8
4H	2H	21.1	22.5	21.5	22.8	23.2	22.6	24.0	23.0	24.3	24.7
	3H	22.4	23.6	22.9	24.0	24.4	23.8	25.0	24.3	25.4	25.8
	4H	23.3	24.3	23.7	24.7	25.2	24.3	25.4	24.8	25.8	26.2
	6H	24.2	25.1	24.6	25.5	26.0	24.7	25.6	25.2	26.1	26.5
	8H	24.6	25.5	25.1	25.9	26.4	24.8	25.7	25.3	26.1	26.6
	12H	25.1	25.9	25.6	26.3	26.8	24.9	25.7	25.4	26.1	26.6
8H	4H	23.7	24.5	24.1	25.0	25.4	24.6	25.5	25.1	25.9	26.4
	6H	24.8	25.5	25.2	25.9	26.4	25.2	25.9	25.6	26.3	26.8
	8H	25.3	26.0	25.8	26.5	27.0	25.4	26.0	25.9	26.5	27.0
	12H	26.0	26.5	26.5	27.0	27.6	25.5	26.1	26.0	26.6	27.1
12H	4H	23.7	24.5	24.2	25.0	25.4	24.7	25.4	25.2	25.9	26.4
	6H	24.9	25.5	25.4	26.0	26.5	25.3	25.9	25.8	26.4	26.9
	8H	25.5	26.1	26.0	26.6	27.1	25.5	26.1	26.0	26.6	27.1

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°		14021.7	14758.1	16902.8	20182.6	22428.7	21644.6	21039.1	
50°		11957.3	12545.3	14272.2	17090.2	19647.8	20144.9	20091.6	
55°		10358.3	10891.2	12524.2	14922.1	17064.0	17907.1	18601.0	
60°		9202.8	9614.6	11027.6	13356.3	14941.5	15461.4	16491.2	
65°		8655.1	8932.0	9915.8	11992.8	13279.5	13231.9	14140.0	
70°		8639.8	8785.7	9253.1	10788.5	11900.7	11308.0	12001.0	
75°		8978.5	9015.8	9037.4	9864.2	10596.8	9604.4	10097.0	
80°		9509.2	9459.8	9252.8	9317.1	9465.6	8253.8	8376.1	
85°		10265.6	10209.9	9931.5	9565.9	8963.2	7341.0	6963.0	

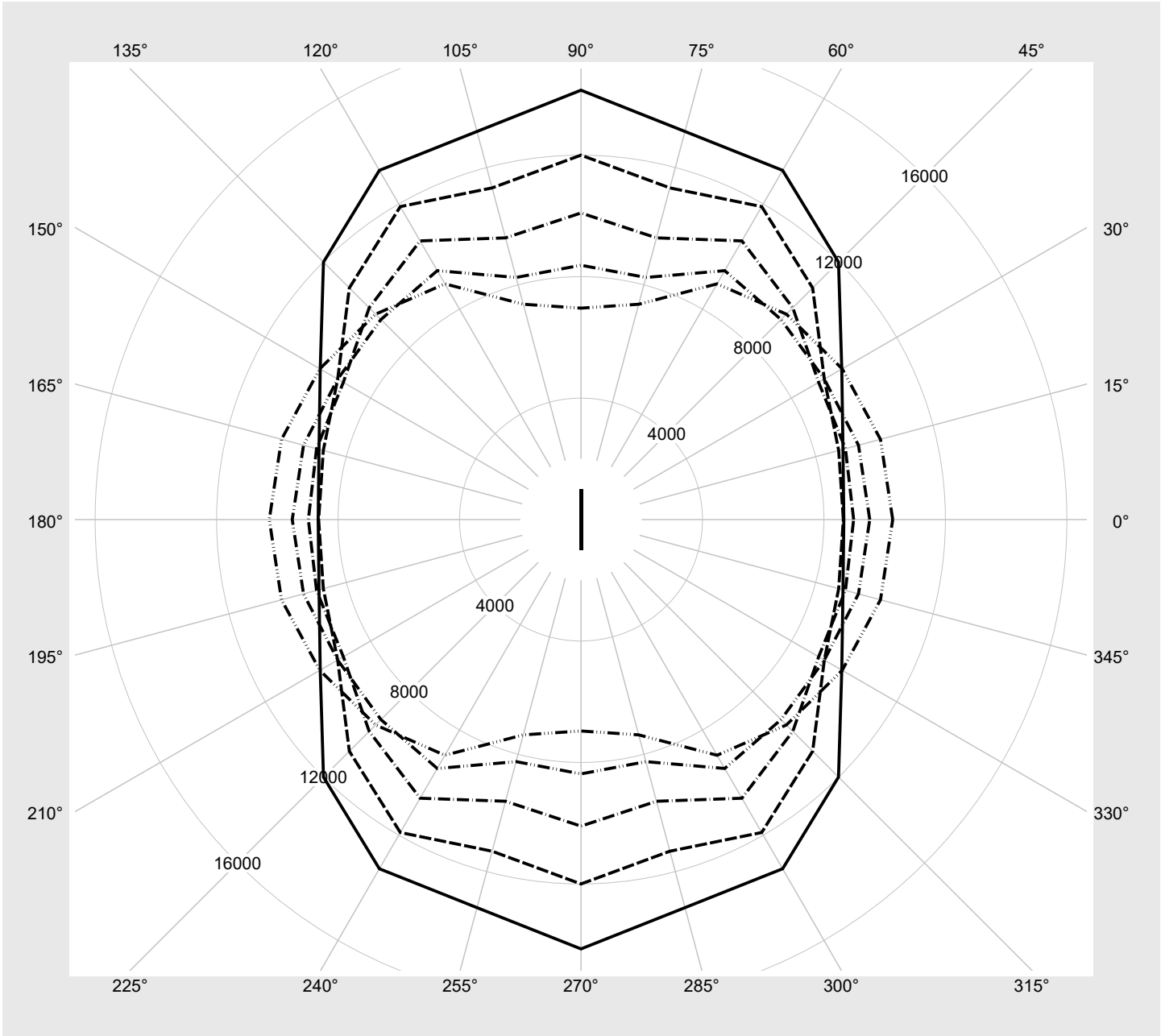
Photometric test report

Family Licross® Protected	Order number: 51TS12CN475F EAN: 4058352265123	LP number 58522_22
--	--	-------------------------------------

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



Photometric test report

Family Licross® Protected	Order number: 51TS12CN475F EAN: 4058352265123	LP number 58522_22
-------------------------------------	--	------------------------------

Multilumen Table	environmental temperature: 25°C	sITeco
-------------------------	---------------------------------	---------------

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			[W] end of lifetime	[W] average
1	A	C	E	7680	49.0	54.4	51.7
2	A	C	F	7090	44.9	49.8	47.3
3	A	D	E	6640	41.8	46.2	44.0
4	A	D	F	6110	38.2	42.1	40.2
5	B	C	E	5550	34.7	38.2	36.4
6	B	C	F	5220	32.5	35.5	34.0
7	B	D	E	4740	29.5	32.0	30.8
8	B	D	F	4260	26.5	29.0	27.8