

Photometric test report

Family
Licross® 11 Protected

Order number: 51TS12VN455F
EAN: 4058352466520

LP number
58522_51



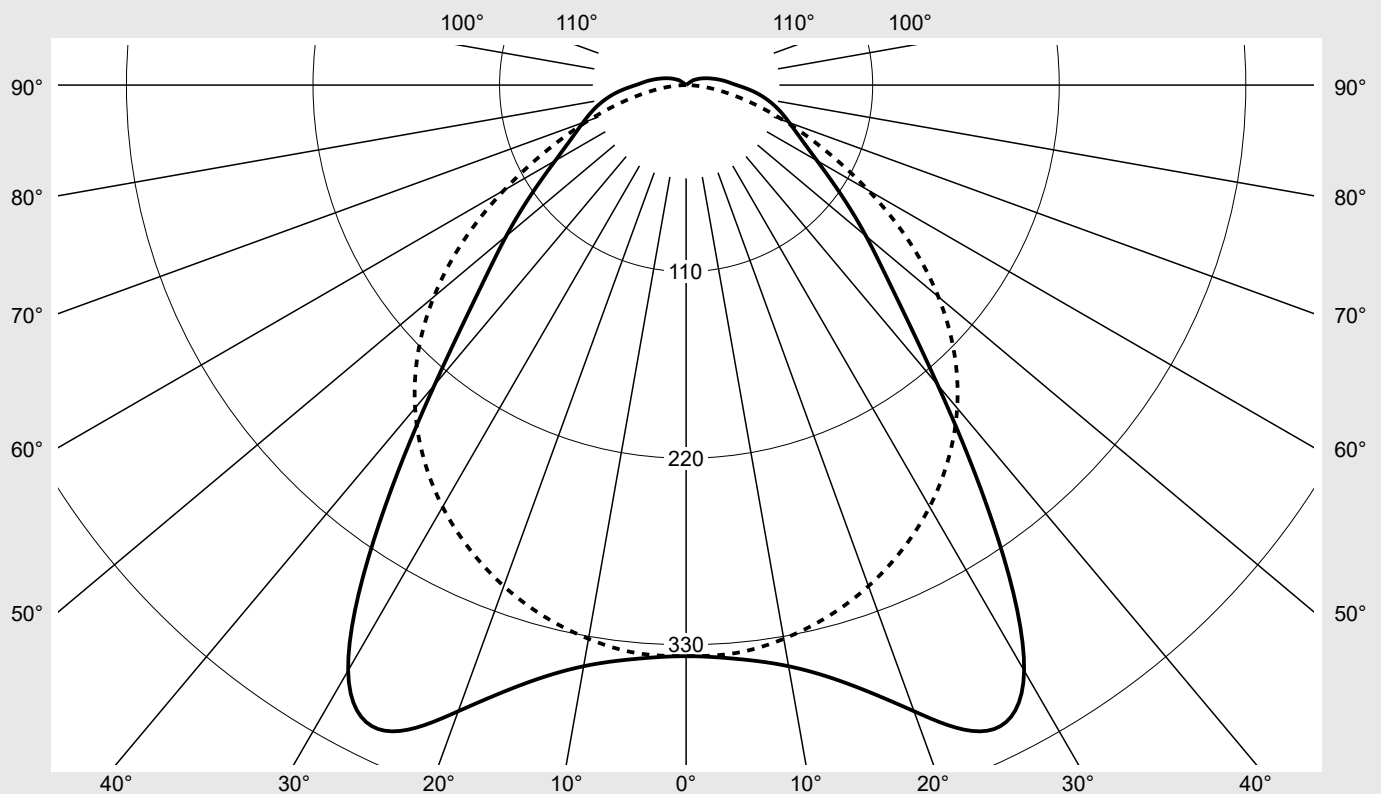
Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI CLO
Rated values Net luminous flux = 5510 lm
 Power consumption = 35.8 W
 Luminous efficacy = 153.9 lm/W

serial
documentation
04.12.2020

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® 11 Protected	Order number: 51TS12VN455F EAN: 4058352466520	LP number 58522_51
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® 11 Protected	Order number: 51TS12VN455F EAN: 4058352466520	LP number 58522_51
--	--	------------------------------

UGR-Table		Standard room									
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	19.1	20.7	19.5	21.0	21.4	21.0	22.6	21.3	22.9	23.2
	3H	20.3	21.7	20.6	22.1	22.4	22.0	23.5	22.4	23.8	24.2
	4H	21.0	22.3	21.4	22.7	23.1	22.4	23.7	22.7	24.1	24.5
	6H	21.7	23.0	22.1	23.4	23.8	22.6	23.9	23.0	24.2	24.6
	8H	22.1	23.3	22.6	23.7	24.1	22.7	23.9	23.1	24.3	24.7
	12H	22.5	23.7	22.9	24.0	24.5	22.8	23.9	23.2	24.3	24.7
4H	2H	19.9	21.3	20.3	21.7	22.0	21.4	22.8	21.8	23.2	23.5
	3H	21.3	22.5	21.7	22.9	23.3	22.7	23.9	23.1	24.3	24.7
	4H	22.1	23.2	22.5	23.6	24.0	23.2	24.3	23.6	24.7	25.1
	6H	23.0	23.9	23.5	24.4	24.8	23.6	24.5	24.0	24.9	25.4
	8H	23.5	24.3	23.9	24.8	25.2	23.7	24.5	24.1	25.0	25.4
	12H	24.0	24.7	24.4	25.2	25.7	23.8	24.5	24.3	25.0	25.5
8H	4H	22.5	23.4	23.0	23.8	24.3	23.5	24.3	23.9	24.8	25.2
	6H	23.6	24.3	24.1	24.8	25.3	24.0	24.7	24.5	25.2	25.7
	8H	24.2	24.8	24.7	25.3	25.8	24.2	24.8	24.7	25.3	25.8
	12H	24.8	25.4	25.3	25.9	26.4	24.4	24.9	24.9	25.4	25.9
12H	4H	22.6	23.3	23.1	23.8	24.3	23.5	24.3	24.0	24.7	25.2
	6H	23.7	24.3	24.2	24.8	25.3	24.1	24.7	24.6	25.2	25.7
	8H	24.4	24.9	24.9	25.4	26.0	24.4	24.9	24.9	25.4	26.0

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	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°	285°	
		345°	330°	315°	300°			
Luminance in cd/m ²								
45°		10059.8	10588.2	12126.9	14479.9	16091.4	15528.9	15094.4
50°		8578.7	9000.6	10239.6	12261.3	14096.3	14452.9	14414.7
55°		7431.6	7813.9	8985.4	10705.8	12242.5	12847.4	13345.3
60°		6602.5	6898.0	7911.7	9582.4	10719.7	11092.7	11831.6
65°		6209.6	6408.2	7114.0	8604.2	9527.3	9493.2	10144.7
70°		6198.6	6303.3	6638.6	7740.2	8538.1	8112.9	8610.1
75°		6441.6	6468.3	6483.9	7077.1	7602.7	6890.7	7244.1
80°		6822.4	6786.9	6638.4	6684.5	6791.0	5921.7	6009.5
85°		7365.0	7325.1	7125.3	6863.1	6430.6	5266.8	4995.6

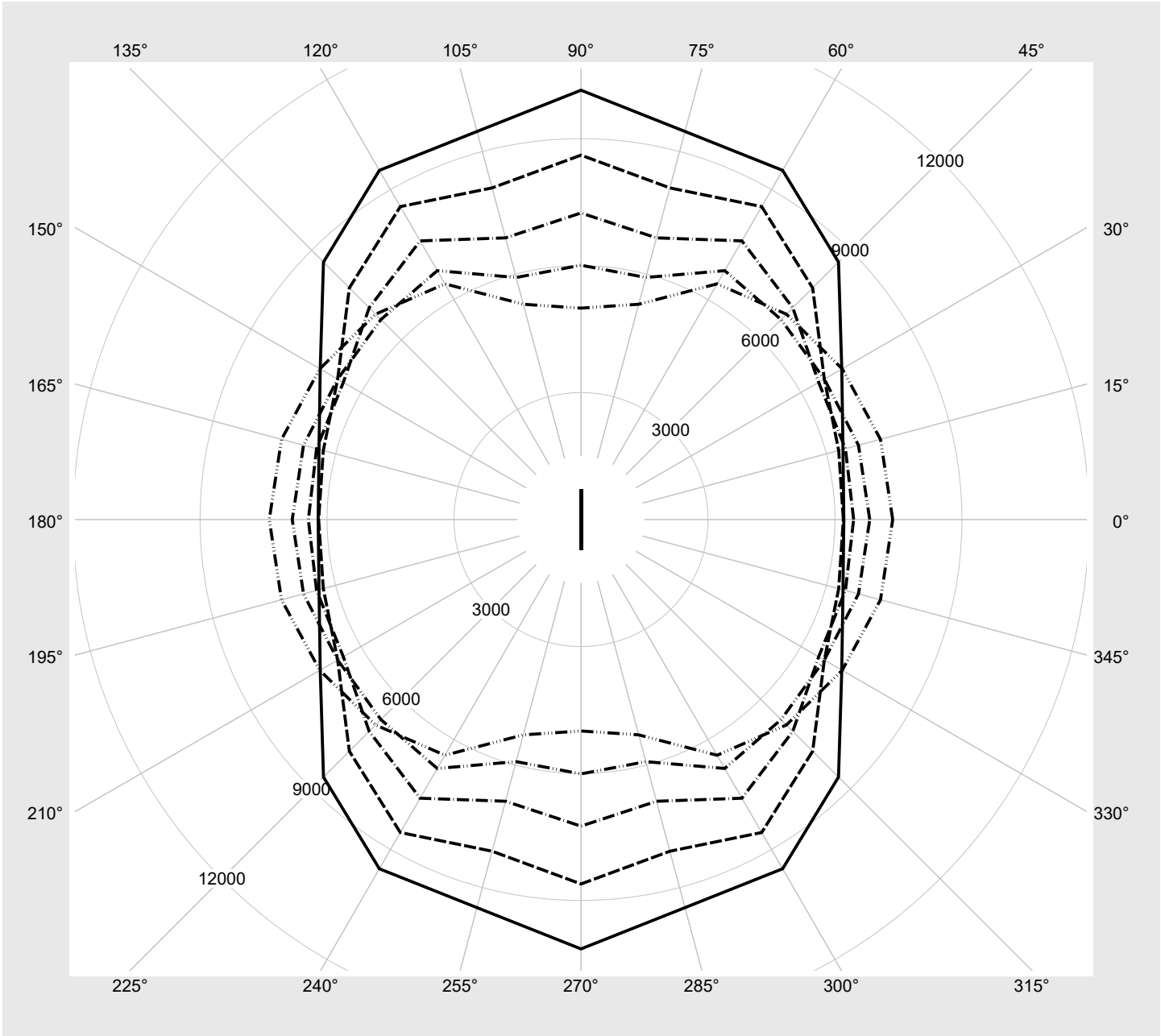
Photometric test report

Family Licross® 11 Protected	Order number: 51TS12VN455F EAN: 4058352466520	LP number 58522_51
---	--	-------------------------------------

Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



Photometric test report

Family Licross® 11 Protected	Order number: 51TS12VN455F EAN: 4058352466520	LP number 58522_51
---	--	-------------------------------------

Dimming levels table	environmental temperature: 25°C	siteco
-----------------------------	---------------------------------	---------------

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	5510	35.8	41.3	38.6
95	241	252	5242	34.1	39.2	36.7
90	227	250	4949	32.1	36.9	34.5
85	214	248	4677	30.3	34.9	32.6
80	201	245	4404	28.6	32.9	30.8
75	188	243	4127	26.8	30.8	28.8
70	175	240	3850	25.2	28.8	27.0
65	162	238	3573	23.4	26.8	25.1
60	150	235	3312	21.8	24.9	23.4
55	137	231	3033	20.1	22.9	21.5
50	124	228	2752	18.4	20.9	19.6
45	112	224	2488	16.6	19.1	17.8
40	99	219	2203	15.0	17.0	16.0
35	87	215	1939	13.4	15.2	14.3
30	74	209	1648	11.7	13.3	12.5
25	62	202	1379	10.2	11.4	10.8
20	50	194	1112	8.7	9.7	9.2
15	37	183	817	6.9	7.7	7.3
10	25	169	546	5.4	5.9	5.6
5	13	145	276	3.9	4.2	4.0
3	7	122	144	3.1	3.2	3.2