

Photometric test report

Family
Licross® 11 Protected

Order number: 51TS12VN475F
EAN: 4058352466551

LP number
58522_49



Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI CLO
Rated values Net luminous flux = 7700 lm
 Power consumption = 50.6 W
 Luminous efficacy = 152.2 lm/W

serial
documentation
04.12.2020

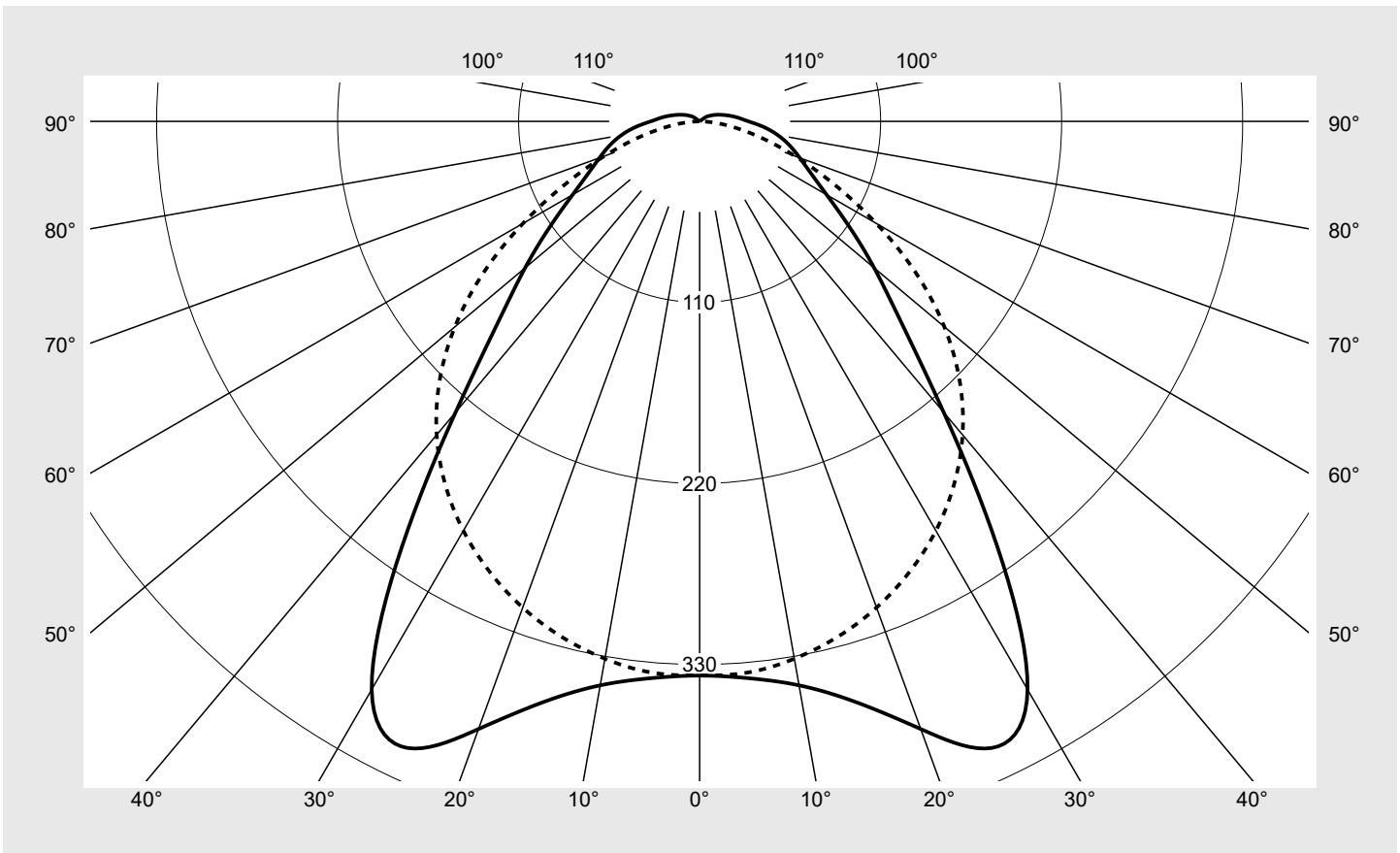
sitEco

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

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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

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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	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	23.2	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	25.1	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	22.5	23.6	22.9	24.0	24.4	23.9	25.0	24.3	25.4	25.8
	4H	23.3	24.3	23.7	24.7	25.2	24.4	25.4	24.8	25.8	26.3
	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	26.2	26.6
8H	4H	23.7	24.5	24.1	25.0	25.5	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	25.4	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	23.8	24.5	24.2	25.0	25.5	24.7	25.5	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	26.1	26.6	27.1	25.5	26.1	26.1	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°		14058.2	14796.5	16946.8	20235.1	22487.1	21701.0	21093.9	
50°		11988.4	12578.0	14309.4	17134.7	19699.0	20197.4	20143.9	
55°		10385.3	10919.6	12556.8	14960.9	17108.4	17953.7	18649.5	
60°		9226.8	9639.7	11056.3	13391.1	14980.4	15501.7	16534.2	
65°		8677.7	8955.2	9941.6	12024.0	13314.0	13266.3	14176.8	
70°		8662.3	8808.6	9277.2	10816.5	11931.7	11337.4	12032.2	
75°		9001.8	9039.2	9060.9	9889.9	10624.4	9629.4	10123.3	
80°		9534.0	9484.4	9276.9	9341.4	9490.2	8275.3	8398.0	
85°		10292.3	10236.5	9957.4	9590.8	8986.6	7360.2	6981.2	

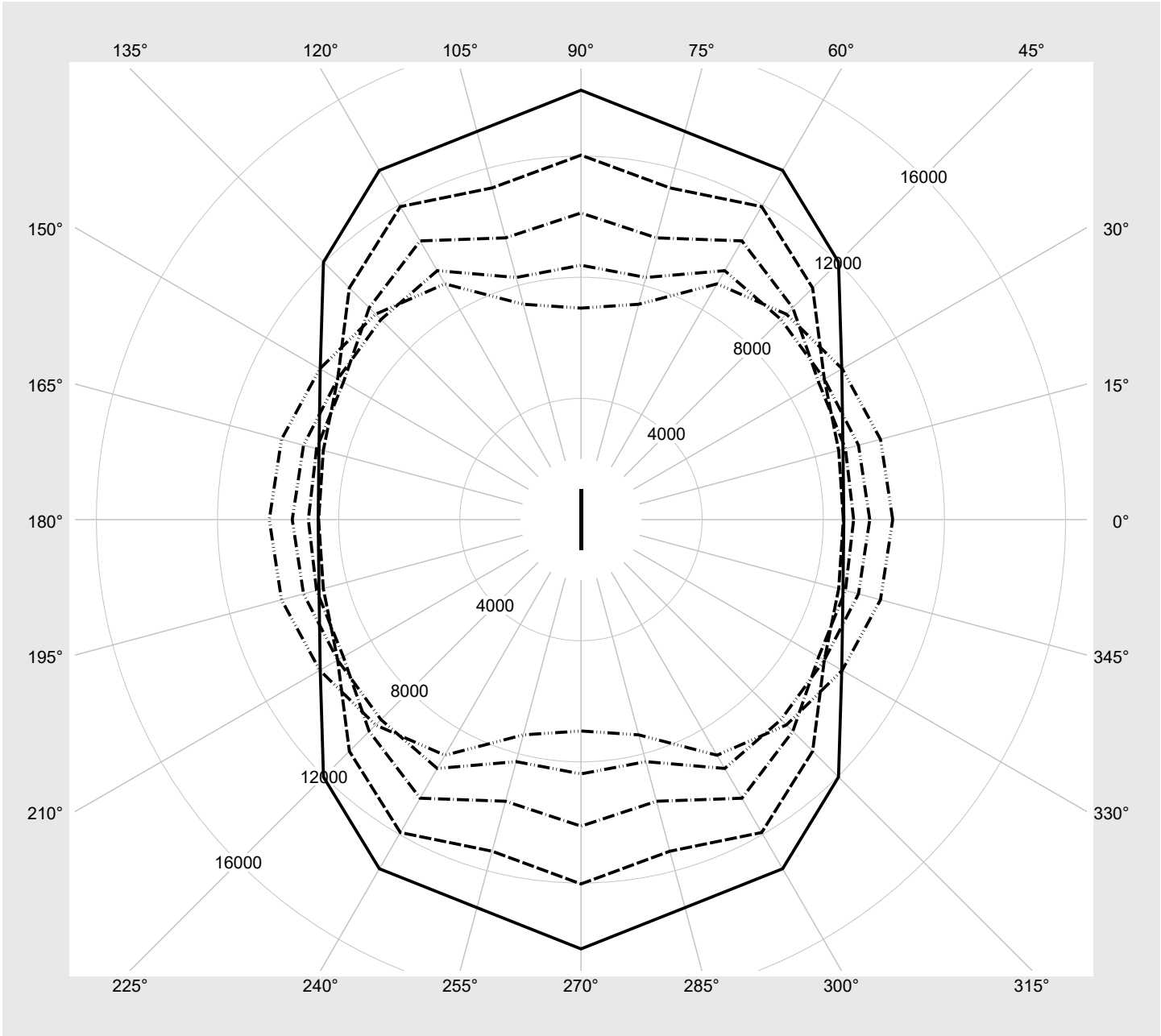
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	7700	50.6	57.4	54.0
95	240	252	7304	47.9	54.2	51.0
90	227	250	6927	45.3	51.3	48.3
85	214	248	6554	42.8	48.3	45.6
80	200	245	6149	40.0	45.2	42.6
75	188	243	5776	37.5	42.5	40.0
70	175	240	5396	35.0	39.6	37.3
65	162	238	5010	32.5	36.7	34.6
60	149	234	4627	30.0	33.9	32.0
55	136	231	4233	27.5	31.0	29.2
50	123	227	3841	25.1	28.2	26.6
45	111	224	3478	22.8	25.6	24.2
40	98	219	3077	20.4	22.7	21.5
35	86	214	2709	18.1	20.3	19.2
30	73	208	2304	15.6	17.4	16.5
25	61	202	1930	13.4	14.9	14.2
20	49	194	1548	11.1	12.3	11.7
15	37	183	1169	9.0	9.9	9.4
10	25	169	782	6.8	7.3	7.0
5	13	145	398	4.6	4.9	4.8
2	5	110	146	3.1	3.2	3.2