

Photometric test report

Family
Licross® 11 Protected

Order number: 51TS12VN465F
EAN: 4058352466537

LP number
58522_50



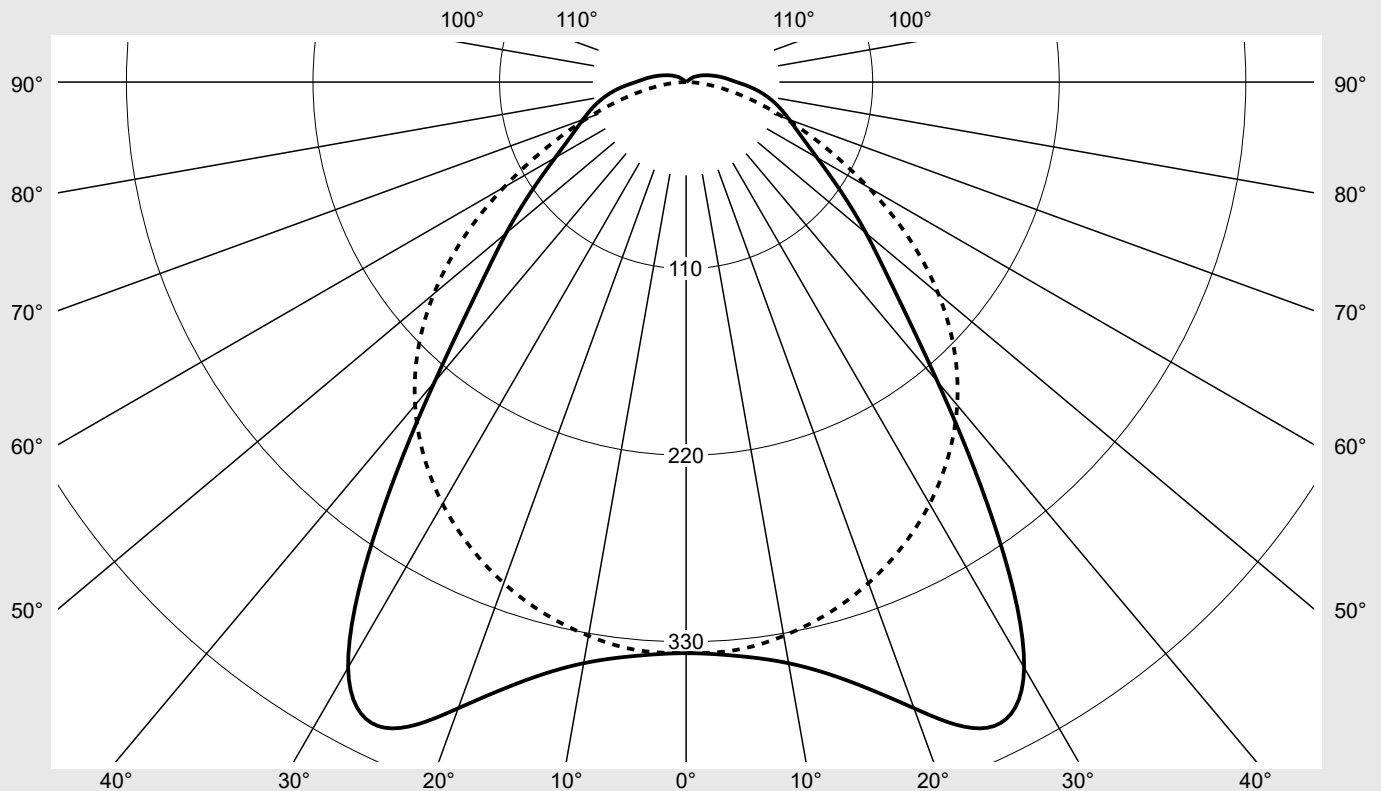
Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI CLO
Rated values Net luminous flux = 6530 lm
 Power consumption = 42.6 W
 Luminous efficacy = 153.3 lm/W

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	19.7	21.3	20.0	21.6	22.0	21.6	23.2	21.9	23.5	23.8
	3H	20.9	22.3	21.2	22.7	23.0	22.6	24.1	23.0	24.4	24.7
	4H	21.5	22.9	21.9	23.3	23.7	22.9	24.3	23.3	24.7	25.0
	6H	22.3	23.6	22.7	24.0	24.3	23.2	24.5	23.6	24.8	25.2
	8H	22.7	23.9	23.1	24.3	24.7	23.3	24.5	23.7	24.9	25.3
	12H	23.1	24.2	23.5	24.6	25.0	23.3	24.5	23.8	24.9	25.3
4H	2H	20.5	21.9	20.9	22.3	22.6	22.0	23.4	22.4	23.8	24.1
	3H	21.9	23.1	22.3	23.4	23.9	23.3	24.5	23.7	24.9	25.3
	4H	22.7	23.8	23.1	24.2	24.6	23.8	24.8	24.2	25.3	25.7
	6H	23.6	24.5	24.1	25.0	25.4	24.1	25.1	24.6	25.5	26.0
	8H	24.1	24.9	24.5	25.4	25.8	24.3	25.1	24.7	25.6	26.0
	12H	24.6	25.3	25.0	25.8	26.3	24.4	25.1	24.9	25.6	26.1
8H	4H	23.1	24.0	23.6	24.4	24.9	24.1	24.9	24.5	25.4	25.8
	6H	24.2	24.9	24.7	25.4	25.9	24.6	25.3	25.1	25.8	26.3
	8H	24.8	25.4	25.3	25.9	26.4	24.8	25.4	25.3	25.9	26.4
	12H	25.4	26.0	25.9	26.5	27.0	25.0	25.5	25.5	26.0	26.5
12H	4H	23.2	23.9	23.7	24.4	24.9	24.1	24.9	24.6	25.3	25.8
	6H	24.3	24.9	24.8	25.4	25.9	24.7	25.3	25.2	25.8	26.3
	8H	25.0	25.5	25.5	26.0	26.5	25.0	25.5	25.5	26.0	26.5

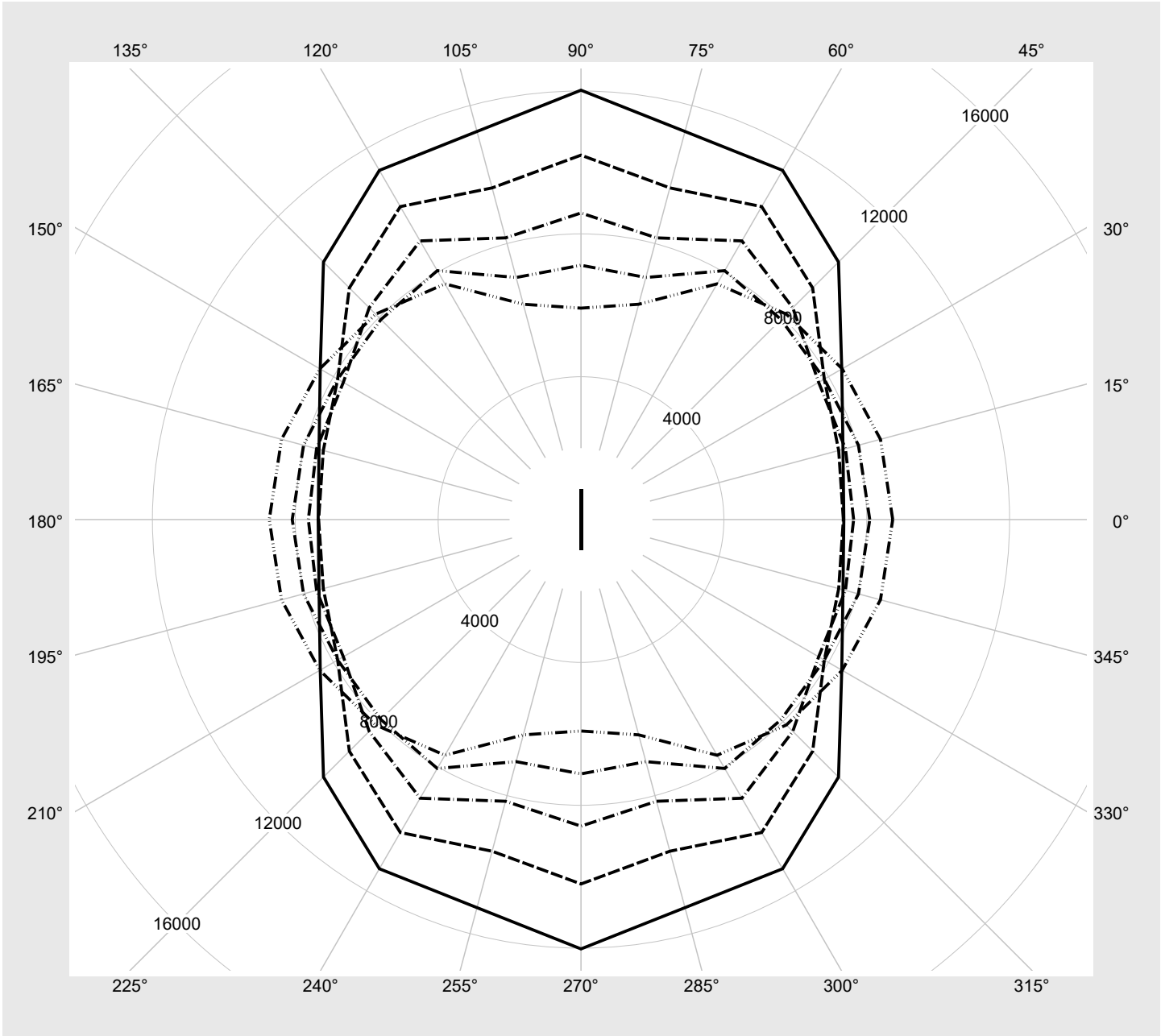
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1480	H(C0) = 13	H(C180) = 13
			B = 78	H(C90) = 0	H(C270) = 0

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°		11922.1	12548.2	14371.8	17160.4	19070.2	18403.6	17888.7
50°		10166.8	10666.8	12135.1	14531.1	16705.7	17128.4	17083.1
55°		8807.3	9260.4	10648.8	12687.7	14508.8	15225.7	15815.7
60°		7824.8	8175.0	9376.3	11356.3	12704.2	13146.2	14021.9
65°		7359.1	7594.5	8431.0	10197.0	11291.0	11250.6	12022.7
70°		7346.0	7470.1	7867.6	9173.0	10118.7	9614.7	10204.0
75°		7634.0	7665.7	7684.1	8387.1	9010.1	8166.2	8585.1
80°		8085.3	8043.3	7867.3	7922.0	8048.2	7017.9	7121.9
85°		8728.4	8681.1	8444.4	8133.5	7621.1	6241.8	5920.4

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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	6530	42.6	49.6	46.1
95	241	252	6216	40.4	47.1	43.8
90	228	250	5876	38.2	44.6	41.4
85	215	248	5552	36.1	42.1	39.1
80	202	246	5234	34.0	39.6	36.8
75	188	243	4887	31.7	36.8	34.2
70	175	240	4558	29.6	34.4	32.0
65	163	238	4257	27.6	32.1	29.8
60	150	235	3928	25.7	29.6	27.6
55	137	231	3597	23.6	27.2	25.4
50	124	228	3262	21.5	24.8	23.2
45	111	224	2931	19.5	22.4	21.0
40	99	219	2619	17.5	20.2	18.8
35	86	214	2278	15.4	17.7	16.6
30	74	209	1964	13.6	15.5	14.6
25	62	202	1645	11.7	13.3	12.5
20	49	194	1297	9.7	11.0	10.4
15	37	183	977	7.9	8.9	8.4
10	25	169	652	6.0	6.7	6.4
5	13	145	333	4.2	4.5	4.4
2	6	117	147	3.1	3.3	3.2