

Photometric test report

Family
Licross® 11 Protected

Order number: 51TD1BCN485G
EAN: 4058352918296

LP number
58522_256



Version prismatic cover, frosted, wide distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 8520 lm
 Power consumption = 49.4 W
 Luminous efficacy = 172.5 lm/W

serial
documentation
12.10.2023

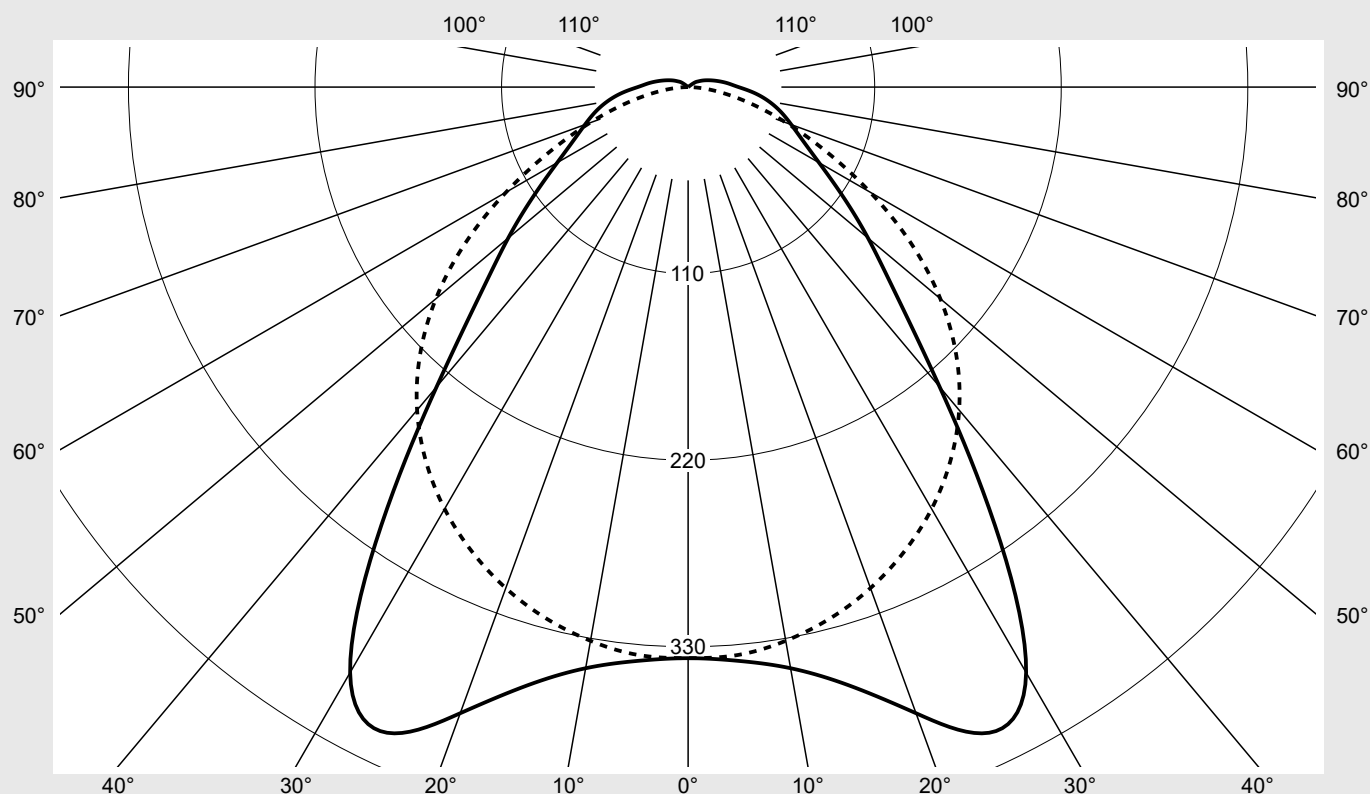
siteco

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	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	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		
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	20.6	22.3	21.0	22.6	22.9	22.5	24.1	22.8	24.4	24.8
	3H	21.8	23.3	22.2	23.6	23.9	23.5	25.0	23.9	25.3	25.7
	4H	22.5	23.9	22.9	24.2	24.6	23.9	25.2	24.3	25.6	26.0
	6H	23.2	24.5	23.6	24.9	25.3	24.1	25.4	24.5	25.8	26.1
	8H	23.6	24.8	24.1	25.2	25.6	24.2	25.4	24.6	25.8	26.2
	12H	24.0	25.2	24.5	25.6	26.0	24.3	25.4	24.7	25.8	26.2
4H	2H	21.5	22.8	21.9	23.2	23.6	22.9	24.3	23.3	24.7	25.0
	3H	22.8	24.0	23.2	24.4	24.8	24.2	25.4	24.6	25.8	26.2
	4H	23.6	24.7	24.1	25.1	25.5	24.7	25.8	25.1	26.2	26.6
	6H	24.5	25.5	25.0	25.9	26.3	25.1	26.0	25.5	26.4	26.9
	8H	25.0	25.8	25.5	26.3	26.8	25.2	26.0	25.7	26.5	27.0
	12H	25.5	26.2	26.0	26.7	27.2	25.3	26.0	25.8	26.5	27.0
8H	4H	24.0	24.9	24.5	25.3	25.8	25.0	25.8	25.4	26.3	26.8
	6H	25.1	25.8	25.6	26.3	26.8	25.5	26.2	26.0	26.7	27.2
	8H	25.7	26.3	26.2	26.8	27.3	25.7	26.4	26.2	26.8	27.4
	12H	26.3	26.9	26.9	27.4	27.9	25.9	26.4	26.4	26.9	27.5
12H	4H	24.1	24.9	24.6	25.3	25.8	25.0	25.8	25.5	26.3	26.8
	6H	25.2	25.9	25.7	26.3	26.9	25.6	26.3	26.1	26.7	27.3
	8H	25.9	26.4	26.4	26.9	27.5	25.9	26.4	26.4	26.9	27.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1480 B = 78	H(C0) = 13 H(C90) = 0	H(C180) = 13 H(C270) = 0
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
		Luminance in cd/m²						
45°		15555.3	16372.3	18751.6	22390.0	24881.8	24012.0	23340.2
50°		13265.1	13917.5	15833.2	18959.4	21796.8	22348.2	22289.1
55°		11491.3	12082.4	13894.0	16554.2	18930.3	19865.6	20635.5
60°		10209.4	10666.2	12233.7	14817.1	16575.7	17152.5	18295.0
65°		9601.8	9908.9	11000.3	13304.5	14731.9	14679.1	15686.5
70°		9584.7	9746.6	10265.2	11968.4	13202.3	12544.8	13313.6
75°		9960.5	10001.9	10025.9	10943.1	11755.9	10654.9	11201.3
80°		10549.3	10494.5	10264.9	10336.1	10500.9	9156.5	9292.3
85°		11388.4	11326.6	11017.8	10612.2	9943.6	8144.0	7724.6

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Luminance values in cd/m²

γ 65°

γ 70°

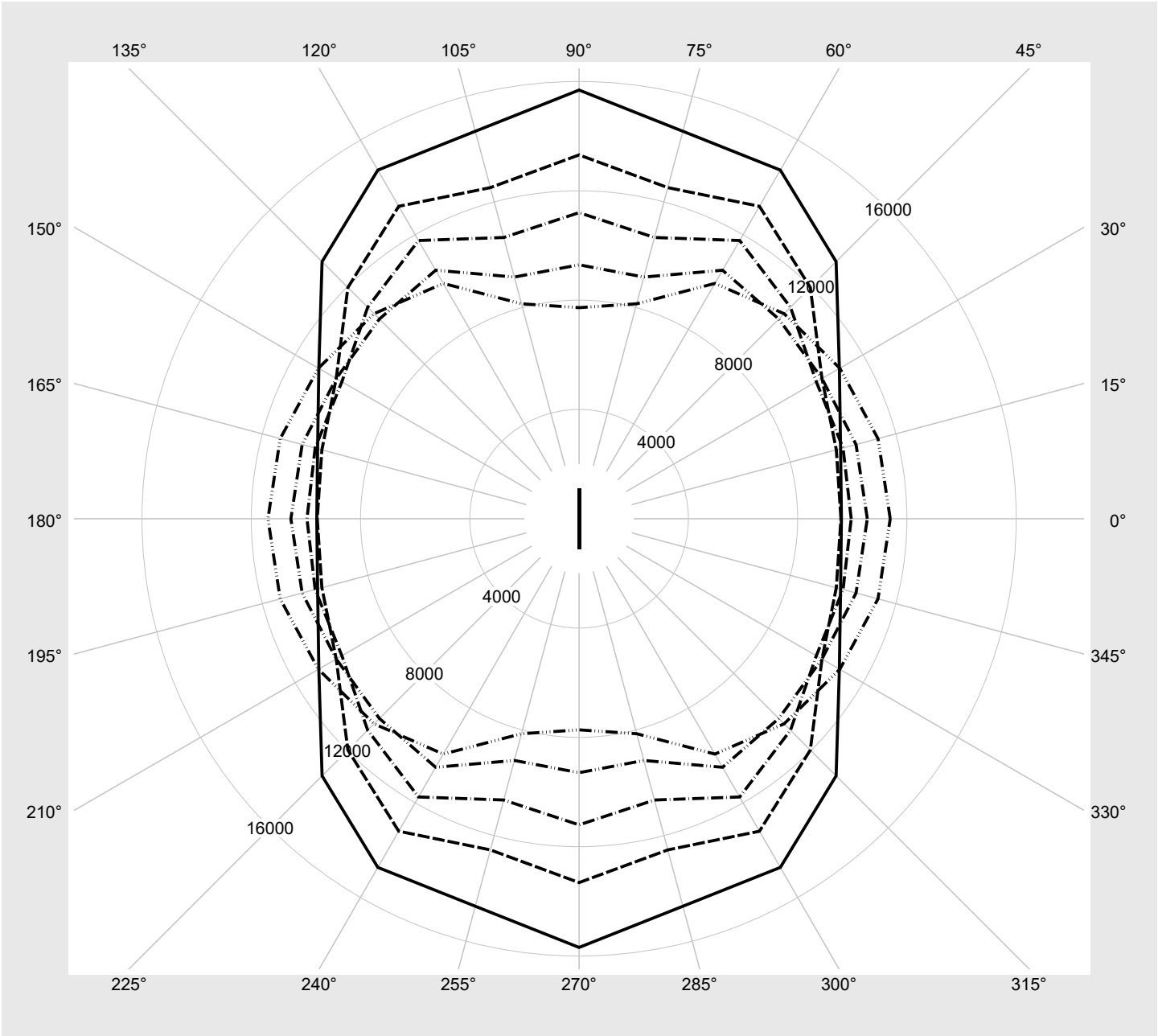
γ 75°

γ 80°

γ 85°

sit

eco



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Family Licross® 11 Protected	Order number: 51TD1BCN485G EAN: 4058352918296	LP number 58522_256
Multilumen Table	environmental temperature: 25°C	sITeco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
	1	2	3			end of lifetime	average
1	A	C	E	8520	49.4	55.3	52.4
2	A	C	F	8030	46.3	51.7	49.0
3	A	D	E	7530	43.1	48.1	45.6
4	A	D	F	7110	40.5	44.5	42.5
5	B	C	E	6600	37.4	41.8	39.6
6	B	C	F	6160	34.7	38.3	36.5
7	B	D	E	5650	31.8	35.2	33.5
8	B	D	F	5210	29.2	32.2	30.7