

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE10CN49XG
EAN: 4058352929025

LP number
58684_140



Version cover frosted
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 9050 lm
 Power consumption = 49.3 W
 Luminous efficacy = 183.6 lm/W

serial
documentation
12.10.2023

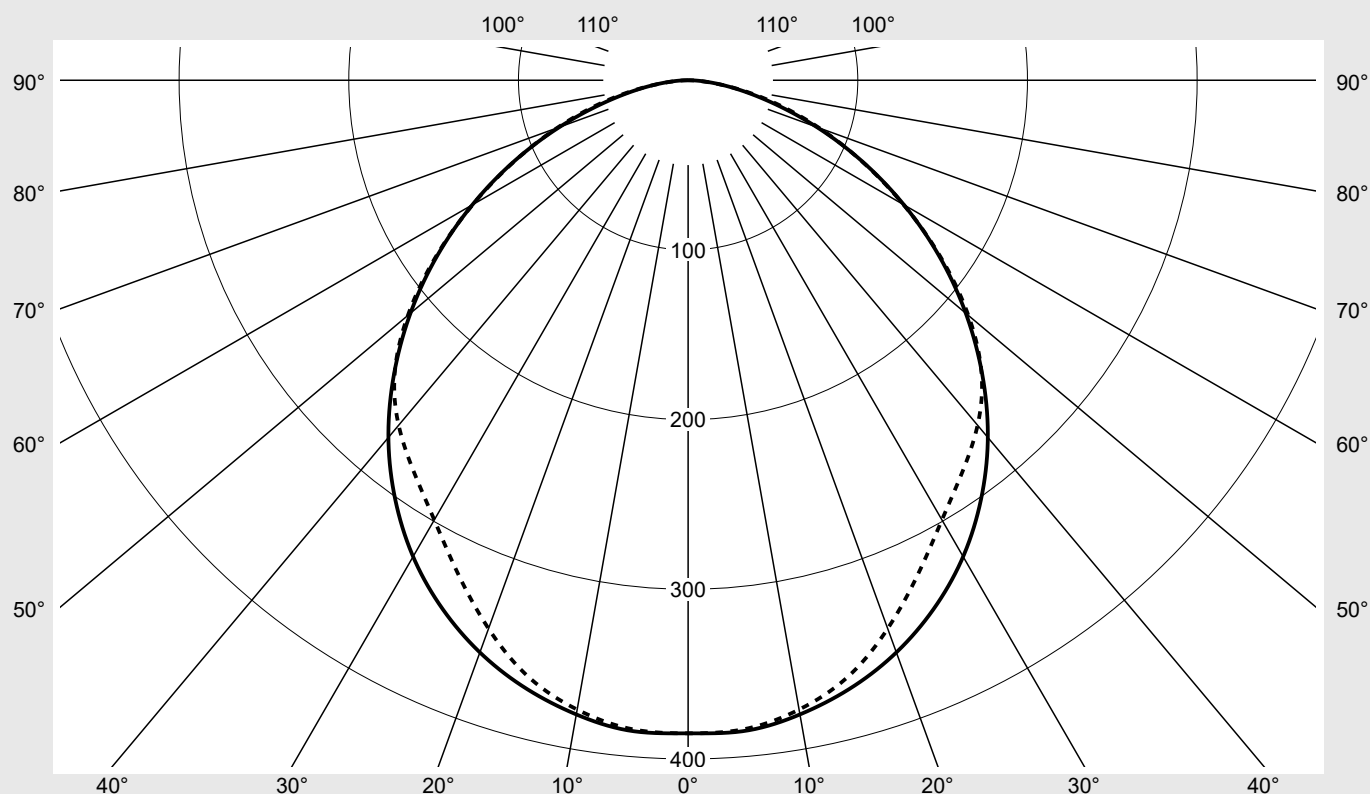
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 385 cd/klm



Classifications

DIN 5040 A 4 0
 CIE N1=50 N2=81 N3=96
 N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

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°	384.9	384.9	384.9	384.9	384.9	384.9	384.9	2.3	2.3
5°	384.9	383.5	380.9	382.4	383.7	383.9	383.8	18.3	20.6
10°	379.5	378.4	375.4	376.4	377.1	376.9	376.6	35.9	56.5
15°	370.8	369.9	366.1	365.8	365.5	363.9	363.9	52.0	108.5
20°	358.8	358.1	353.2	350.6	348.2	345.1	343.9	65.8	174.3
25°	343.3	342.7	336.1	331.0	326.3	322.1	320.9	76.8	251.1
30°	324.2	323.3	314.8	307.4	302.4	299.4	299.2	84.9	336.1
35°	301.1	299.6	289.7	281.8	279.3	280.0	281.8	90.2	426.3
40°	274.8	272.4	262.0	255.7	258.0	262.5	265.4	92.8	519.1
45°	245.2	241.9	231.9	229.2	235.1	240.6	244.6	92.0	611.1
50°	213.6	209.5	202.3	202.7	208.5	212.2	215.6	87.5	698.5
55°	180.7	176.6	172.5	174.4	178.1	179.3	181.7	79.5	778.0
60°	146.9	143.9	142.8	145.1	146.4	145.5	146.6	68.9	846.9
65°	113.3	112.0	113.5	115.8	115.6	113.0	112.9	56.5	903.4
70°	80.7	81.0	84.0	87.4	86.4	83.3	82.2	43.2	946.6
75°	51.4	52.0	55.5	60.1	59.2	56.0	54.4	29.6	976.3
80°	28.6	28.8	31.3	34.2	34.2	31.5	29.9	17.0	993.3
85°	11.6	11.6	12.6	13.6	13.2	11.7	10.4	6.7	1000.0
90°	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
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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	24.3	26.0	24.7	26.3	26.6	24.4	26.0	24.7	26.3
	3H	25.7	27.2	26.0	27.5	27.8	25.7	27.2	26.1	27.6
	4H	26.1	27.5	26.5	27.9	28.3	26.2	27.7	26.6	28.0
	6H	26.4	27.7	26.8	28.1	28.5	26.6	27.9	27.0	28.3
	8H	26.6	27.8	27.0	28.2	28.6	26.7	27.9	27.1	28.3
	12H	26.6	27.8	27.1	28.2	28.6	26.8	27.9	27.2	28.3
4H	2H	25.0	26.4	25.4	26.8	27.2	25.1	26.5	25.5	26.8
	3H	26.6	27.7	27.0	28.1	28.5	26.6	27.8	27.1	28.2
	4H	27.1	28.2	27.6	28.6	29.0	27.3	28.3	27.7	28.7
	6H	27.5	28.5	28.0	28.9	29.3	27.7	28.6	28.2	29.1
	8H	27.7	28.5	28.1	28.9	29.4	27.9	28.7	28.3	29.1
	12H	27.8	28.5	28.2	29.0	29.5	27.9	28.7	28.4	29.2
8H	4H	27.4	28.3	27.9	28.7	29.2	27.6	28.4	28.0	28.9
	6H	28.0	28.7	28.4	29.1	29.6	28.2	28.9	28.6	29.3
	8H	28.1	28.8	28.6	29.2	29.8	28.3	29.0	28.8	29.4
	12H	28.3	28.8	28.8	29.3	29.8	28.5	29.0	29.0	29.5
12H	4H	27.5	28.2	28.0	28.7	29.2	27.6	28.4	28.1	28.8
	6H	28.0	28.6	28.5	29.1	29.6	28.2	28.8	28.7	29.3
	8H	28.2	28.8	28.8	29.3	29.8	28.4	29.0	29.0	29.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
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°
γ	Luminance in cd/m²						
45°	36068.3	35580.8	34113.2	33711.6	34584.6	35398.8	35982.5
50°	34574.7	33908.9	32736.5	32795.4	33738.1	34339.1	34892.9
55°	32764.4	32024.8	31292.0	31622.0	32295.6	32513.4	32949.4
60°	30556.5	29942.8	29715.6	30192.9	30450.4	30260.9	30495.8
65°	27888.6	27575.0	27924.5	28498.0	28444.4	27816.9	27799.0
70°	24558.6	24636.2	25543.1	26573.0	26270.9	25320.8	25010.6
75°	20659.2	20887.5	22311.4	24172.7	23790.9	22510.4	21873.8
80°	17108.1	17271.7	18761.5	20504.1	20493.3	18874.7	17910.8
85°	13861.7	13831.8	14978.8	16269.0	15718.8	14022.8	12436.6

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Luminance values in cd/m²

γ 65°

γ 70°

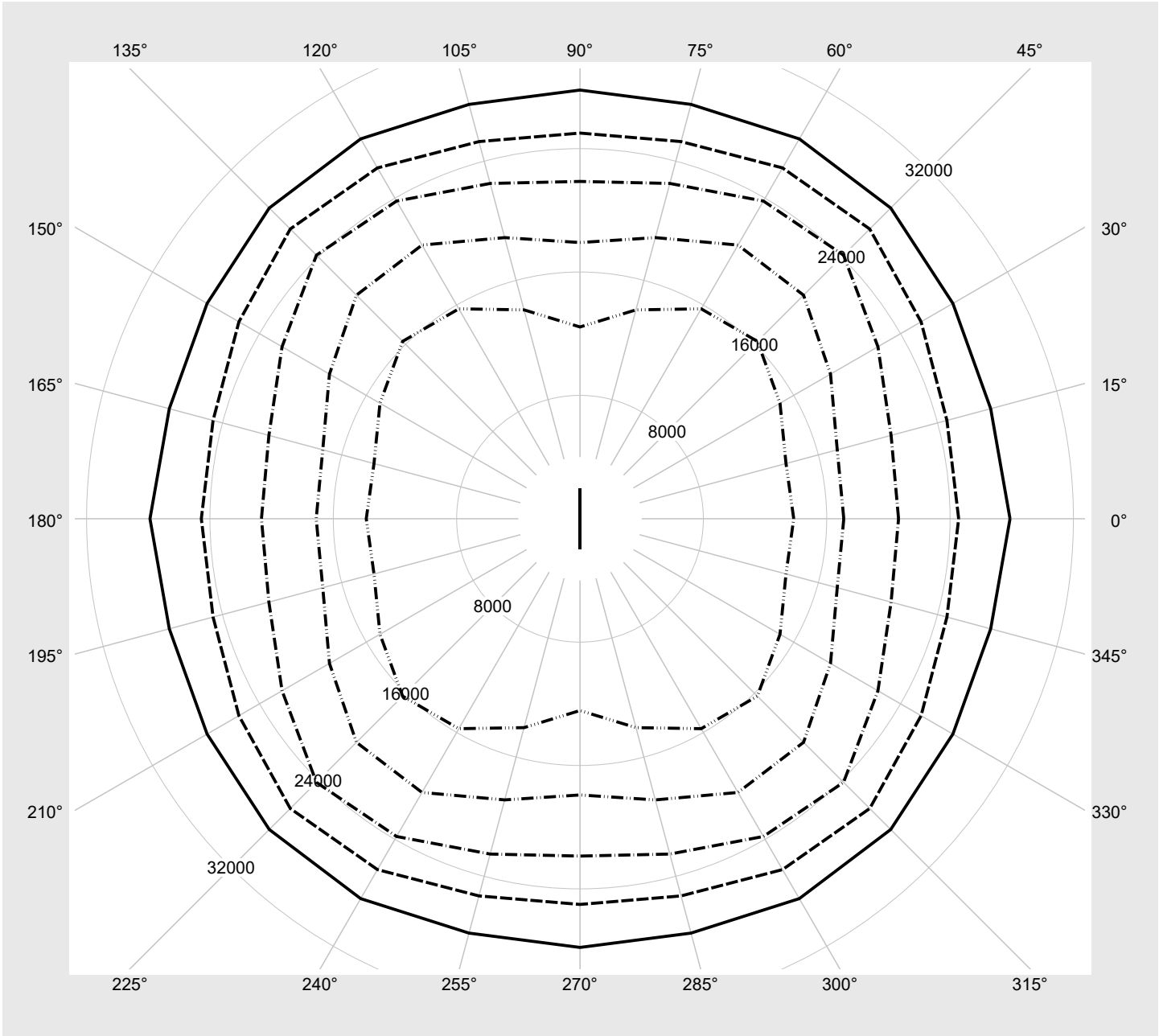
γ 75°

γ 80°

γ 85°

sit

eco



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Multilumen Table environmental temperature: 25°C		

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	9050	49.3	55.2	52.2
2	A	C	F	8530	46.2	51.6	48.9
3	A	D	E	8010	43.1	48.0	45.6
4	A	D	F	7480	40.0	44.5	42.2
5	B	C	E	7020	37.4	41.7	39.6
6	B	C	F	6480	34.3	38.3	36.3
7	B	D	E	6020	31.8	35.2	33.5
8	B	D	F	5540	29.2	32.2	30.7