

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TE1ECN485G
EAN: 4058352890080

LP number
59263_125



Version cover frosted, elliptical narrow distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 8960 lm
 Power consumption = 49.9 W
 Luminous efficacy = 179.6 lm/W

serial
documentation
17.08.2023

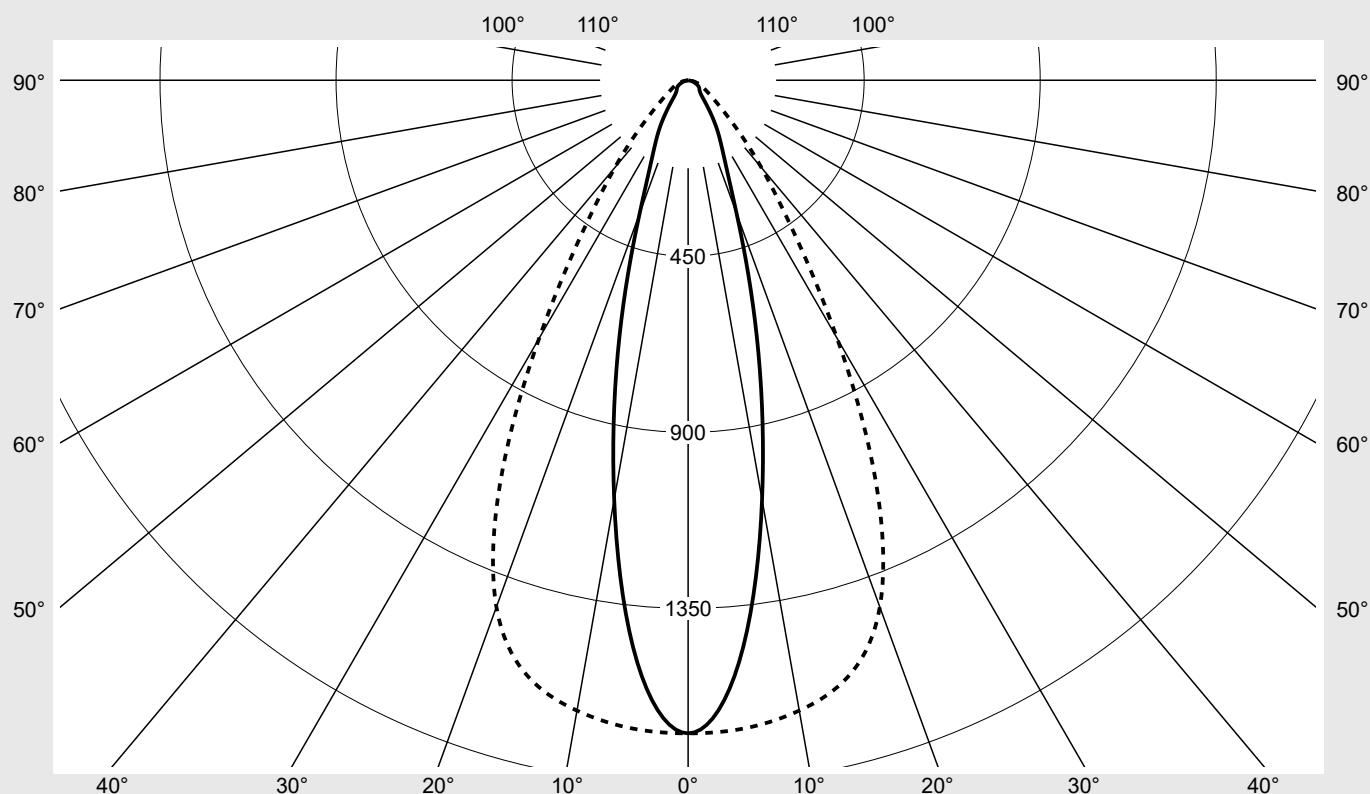
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 1670 cd/klm



Classifications

DIN 5040 A 7 0
 CIE N1=85 N2=95 N3=99
 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

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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°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	14.8	16.0	15.1	16.3	16.6	19.8	21.0	20.1	21.3
	3H	15.9	17.0	16.3	17.4	17.7	20.4	21.4	20.7	21.7
	4H	16.3	17.3	16.7	17.7	18.1	20.6	21.6	21.0	22.0
	6H	16.5	17.5	16.9	17.9	18.2	20.9	21.7	21.3	22.1
	8H	16.7	17.5	17.1	17.9	18.3	21.0	21.7	21.4	22.1
	12H	16.7	17.5	17.2	17.9	18.3	21.0	21.7	21.5	22.1
4H	2H	15.6	16.6	16.0	16.9	17.3	19.8	20.8	20.2	21.1
	3H	17.0	17.8	17.4	18.2	18.6	20.5	21.3	20.9	21.7
	4H	17.5	18.3	18.0	18.7	19.1	20.9	21.6	21.3	22.0
	6H	17.8	18.5	18.3	18.9	19.4	21.1	21.8	21.6	22.2
	8H	17.9	18.5	18.4	19.0	19.4	21.3	21.8	21.8	22.3
	12H	18.0	18.5	18.5	19.0	19.5	21.3	21.8	21.8	22.3
8H	4H	18.0	18.5	18.5	19.0	19.5	20.9	21.5	21.4	22.0
	6H	18.5	18.9	19.0	19.4	19.9	21.4	21.8	21.9	22.3
	8H	18.6	19.0	19.1	19.5	20.0	21.5	21.9	22.0	22.4
	12H	18.7	19.1	19.2	19.6	20.1	21.6	21.9	22.1	22.4
12H	4H	18.1	18.5	18.5	19.0	19.5	20.9	21.4	21.4	21.9
	6H	18.6	18.9	19.1	19.4	20.0	21.3	21.7	21.9	22.2
	8H	18.8	19.1	19.3	19.6	20.1	21.5	21.9	22.0	22.4

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
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°
			Luminance in cd/m²				
45° 50° 55° 60°	γ	6334.1	6681.6	8469.7	12566.2	14496.9	21177.2
		6046.6	6245.4	6857.0	9779.1	10944.9	14312.6
		6205.8	6281.0	6593.3	7806.2	9070.6	10706.1
		6211.4	6415.6	6759.1	7050.0	7949.3	8647.1
65° 70° 75° 80° 85°	γ	5831.1	6183.4	7095.6	6849.9	7342.4	7500.6
		5112.1	5529.4	6768.8	7022.7	7045.0	6825.4
		4320.2	4778.6	6443.9	7135.8	6929.7	6263.6
		3649.9	3947.0	5341.3	6320.5	6506.2	5508.6
		3692.7	3938.5	5011.4	5940.2	5690.9	4601.4

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Luminance values in cd/m²

γ 65°

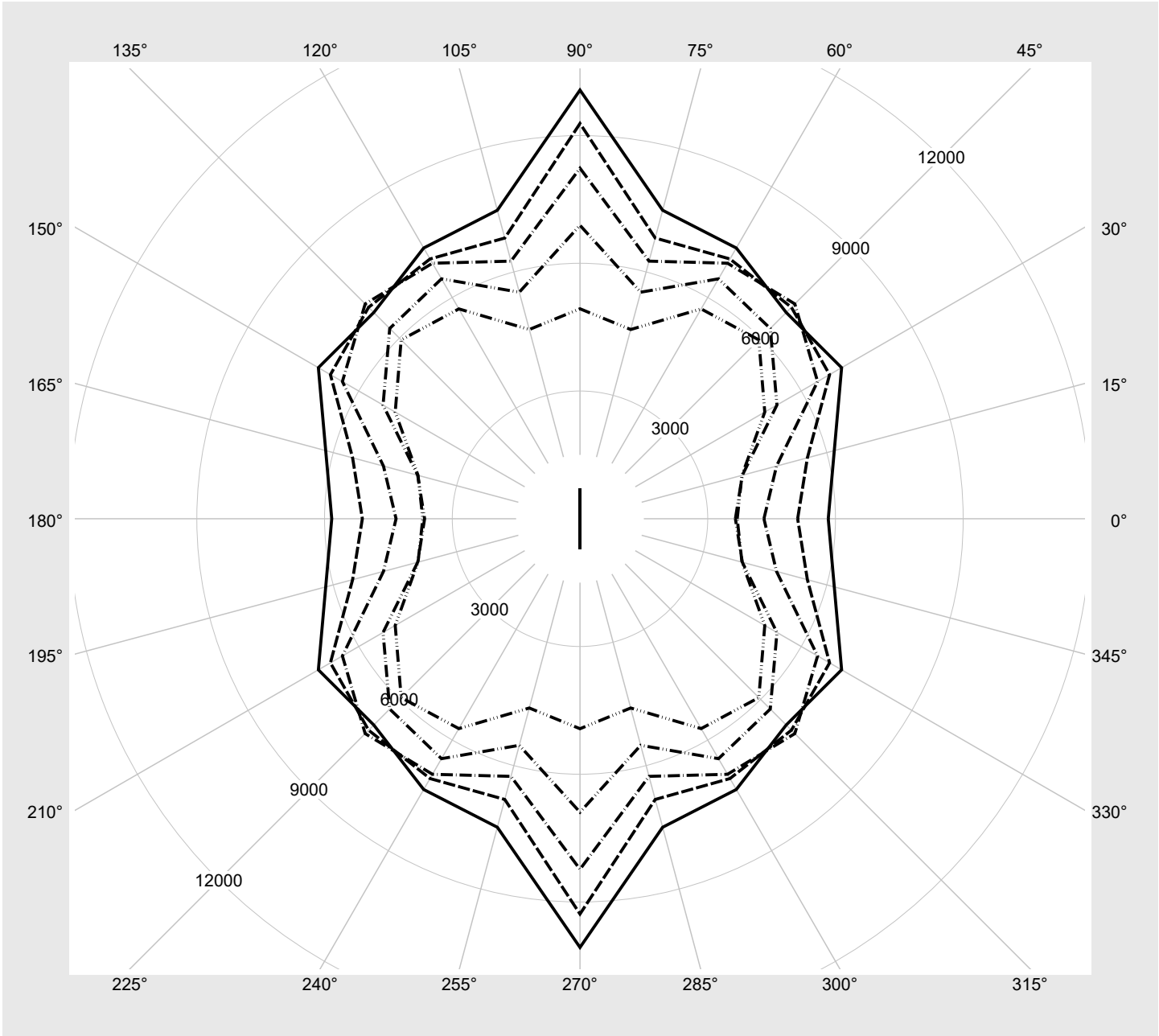
γ 70°

γ 75°

γ 80°

γ 85°

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Family Licross® 21 Recessed	Order number: 52TE1ECN485G EAN: 4058352890080	LP number 59263_125
Multilumen Table		environmental temperature: 25°C
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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	8960	49.9	60.5	55.2
2	A	C	F	8530	47.3	56.9	52.1
3	A	D	E	8030	44.4	53.4	48.9
4	A	D	F	7520	41.4	49.5	45.4
5	B	C	E	7000	38.4	45.6	42.0
6	B	C	F	6480	35.3	42.2	38.8
7	B	D	E	6020	32.8	39.2	36.0
8	B	D	F	5490	29.9	35.3	32.6