

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL19MN1AXG
EAN: 4069025012678

LP number
58532_438



Version cover frosted, double asymmetric distribution
Lamps LED 3500 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 10200 lm
 Power consumption = 60.5 W
 Luminous efficacy = 168.6 lm/W

serial
documentation
20.12.2023

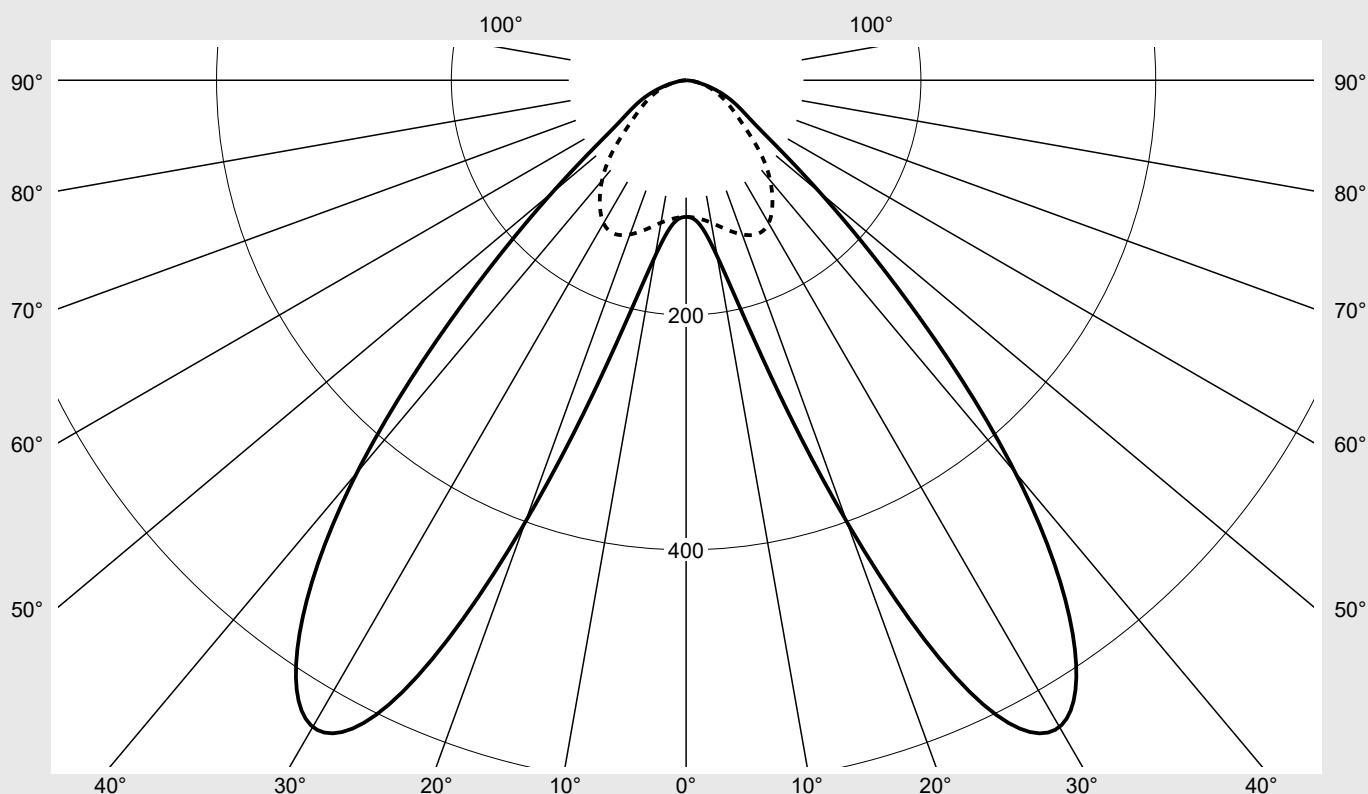
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 703 cd/klm



Classifications

DIN 5040 A 4 0
 CIE N1=55 N2=89 N3=98
 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°	116.4	116.4	116.4	116.4	116.4	116.4	116.4	0.7	0.7
5°	122.3	121.8	120.5	120.1	119.3	118.4	118.1	5.7	6.4
10°	152.3	149.6	141.1	133.1	127.4	124.1	123.2	12.9	19.3
15°	235.7	226.2	196.7	164.2	142.2	133.3	131.4	24.7	44.1
20°	400.4	377.8	306.4	227.1	167.8	143.8	139.7	46.6	90.7
25°	577.7	557.7	476.8	343.4	212.9	153.0	144.3	81.3	172.0
30°	636.1	636.8	610.4	517.3	280.0	157.9	140.6	118.3	290.3
35°	573.7	597.7	662.3	665.7	347.9	155.6	128.2	145.7	436.0
40°	436.2	470.5	613.4	703.5	376.1	144.6	111.4	151.6	587.6
45°	268.7	299.8	459.0	605.2	334.0	122.5	91.2	129.2	716.8
50°	149.1	168.3	276.5	419.8	259.3	97.4	69.0	93.1	809.9
55°	85.3	95.5	151.2	245.9	199.7	79.3	53.1	62.9	872.9
60°	59.3	63.7	88.0	138.5	152.7	65.0	42.1	44.2	917.1
65°	44.9	47.0	60.8	84.9	110.7	51.4	33.0	32.6	949.7
70°	31.7	33.1	42.5	56.3	76.3	38.4	24.7	23.6	973.3
75°	19.0	20.1	26.0	34.9	49.6	26.3	17.0	15.4	988.7
80°	8.8	9.4	12.7	18.2	27.0	15.2	9.8	8.3	997.0
85°	3.4	3.6	4.7	6.8	9.5	5.9	3.7	3.1	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	25.2	26.8	25.6	27.1	27.5	24.0	25.7	24.4	26.0
	3H	25.4	26.8	25.8	27.2	27.5	24.3	25.8	24.7	26.1
	4H	25.4	26.8	25.8	27.1	27.5	24.4	25.8	24.8	26.1
	6H	25.5	26.7	25.9	27.0	27.4	24.4	25.7	24.8	26.1
	8H	25.5	26.6	25.9	27.0	27.4	24.4	25.7	24.8	26.0
	12H	25.5	26.5	25.9	26.9	27.3	24.4	25.6	24.8	26.0
4H	2H	25.6	27.0	26.0	27.3	27.7	24.8	26.1	25.2	26.4
	3H	25.9	27.0	26.3	27.4	27.8	25.5	26.6	25.9	27.0
	4H	26.0	27.0	26.4	27.4	27.8	25.7	26.7	26.2	27.2
	6H	26.0	26.9	26.5	27.3	27.8	25.8	26.7	26.3	27.2
	8H	26.0	26.8	26.5	27.3	27.7	25.9	26.7	26.3	27.1
	12H	26.0	26.7	26.5	27.2	27.7	25.9	26.6	26.3	27.1
8H	4H	26.1	27.0	26.6	27.4	27.9	25.9	26.7	26.4	27.2
	6H	26.2	26.9	26.7	27.3	27.9	26.2	26.9	26.7	27.4
	8H	26.2	26.8	26.7	27.3	27.8	26.3	26.9	26.8	27.4
	12H	26.2	26.7	26.7	27.2	27.8	26.3	26.9	26.9	27.4
12H	4H	26.1	26.9	26.6	27.4	27.8	25.9	26.6	26.4	27.1
	6H	26.2	26.8	26.7	27.3	27.8	26.3	26.8	26.8	27.3
	8H	26.3	26.8	26.8	27.3	27.8	26.4	26.9	26.9	27.4

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°	44545.8	49701.3	76106.5	100339.3	55373.3	20313.0	15119.0
50°	27188.7	30704.0	50437.0	76563.7	47298.7	17768.2	12581.1
55°	17443.6	19519.4	30909.8	50268.5	40818.3	16200.0	10846.3
60°	13903.4	14947.8	20636.6	32468.1	35799.7	15252.4	9872.9
65°	12454.3	13051.9	16867.5	23555.7	30715.9	14251.5	9142.8
70°	10880.2	11343.3	14581.0	19282.3	26166.6	13171.7	8461.1
75°	8609.5	9114.5	11789.0	15816.9	22478.1	11922.1	7696.7
80°	5932.7	6313.5	8570.6	12303.6	18224.1	10274.7	6640.3
85°	4636.9	4837.3	6265.9	9082.7	12842.6	7880.1	5036.4

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Luminance values in cd/m²

γ 65°

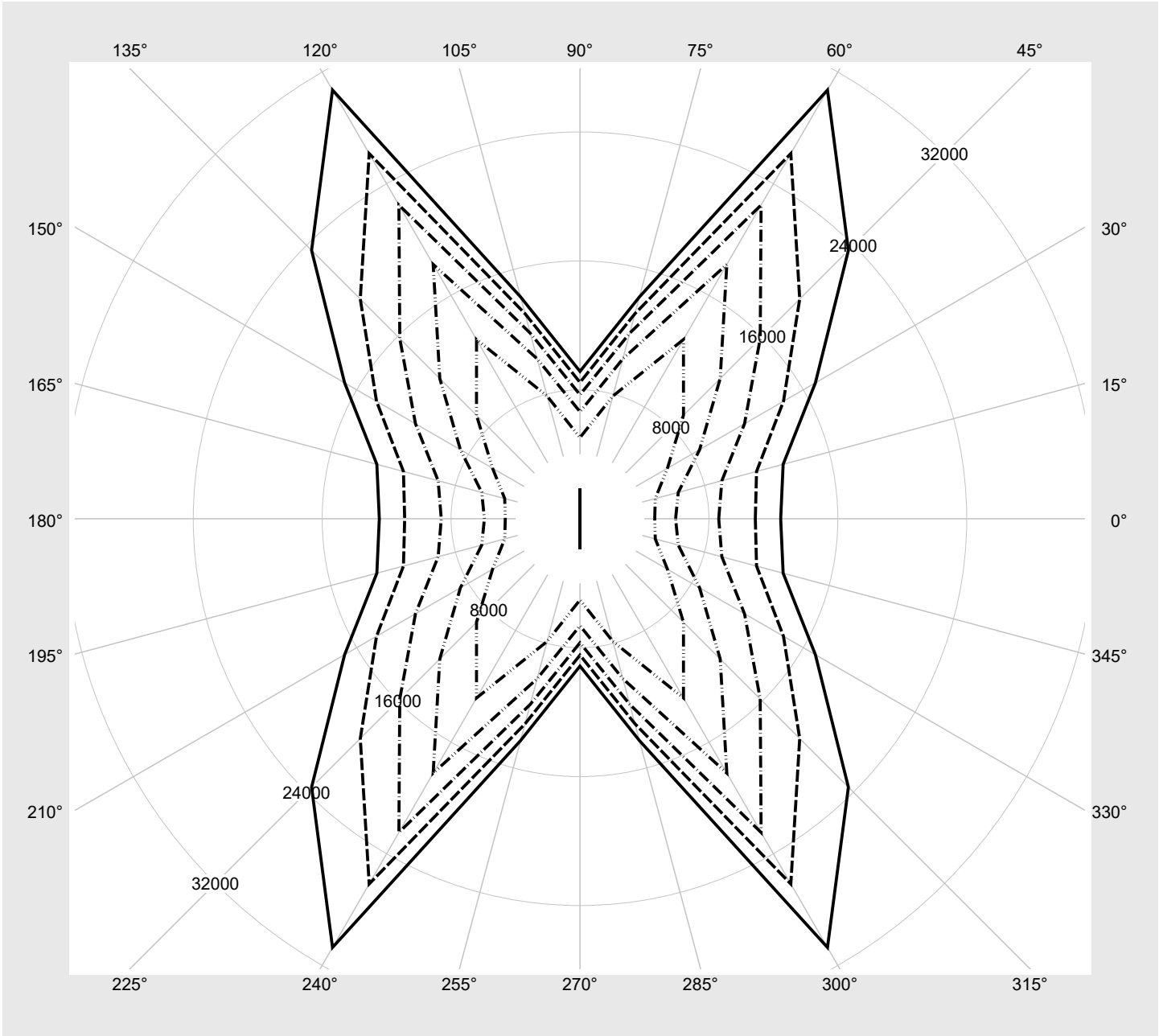
γ 70°

γ 75°

γ 80°

γ 85°

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Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10200	60.5
2	A	C	F	9600	56.5
3	A	D	E	9140	53.4
4	A	D	F	8670	50.3
5	B	C	E	8190	47.3
6	B	C	F	7710	44.4
7	B	D	E	7220	41.4
8	B	D	F	6720	38.4