

Photometric test report

Family
Licross® 21 Recessed

Order number: 52TL19MN4A5G
EAN: 4058352891582

LP number
58532_392



Version cover frosted, double asymmetric distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 10530 lm
 Power consumption = 60.5 W
 Luminous efficacy = 174.1 lm/W

serial
documentation
24.08.2023

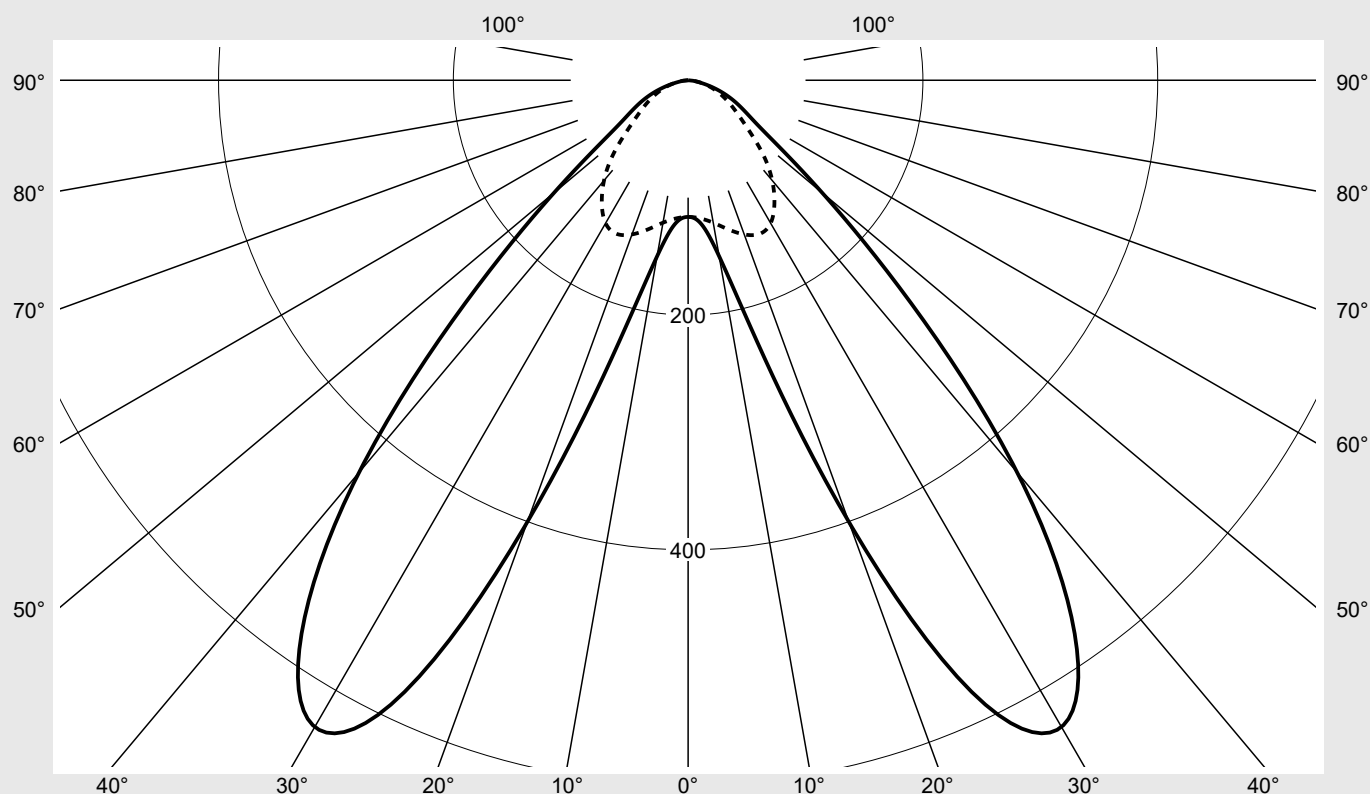
siteco

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
		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°	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	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	25.3	27.0	25.7	27.3	27.6	24.2	25.8	24.5	26.1	26.4
	3H	25.5	26.9	25.9	27.3	27.6	24.4	25.9	24.8	26.2	26.6
	4H	25.6	26.9	25.9	27.2	27.6	24.5	25.9	24.9	26.2	26.6
	6H	25.6	26.8	26.0	27.2	27.5	24.5	25.8	25.0	26.2	26.6
	8H	25.6	26.7	26.0	27.1	27.5	24.5	25.8	24.9	26.2	26.6
	12H	25.6	26.6	26.0	27.0	27.4	24.5	25.7	24.9	26.1	26.5
4H	2H	25.7	27.1	26.1	27.4	27.8	24.9	26.2	25.3	26.6	26.9
	3H	26.0	27.1	26.4	27.5	27.9	25.6	26.7	26.0	27.1	27.5
	4H	26.1	27.1	26.5	27.5	27.9	25.8	26.9	26.3	27.3	27.7
	6H	26.1	27.0	26.6	27.4	27.9	26.0	26.9	26.4	27.3	27.7
	8H	26.1	26.9	26.6	27.4	27.8	26.0	26.8	26.4	27.2	27.7
	12H	26.1	26.8	26.6	27.3	27.8	26.0	26.7	26.4	27.2	27.7
8H	4H	26.2	27.1	26.7	27.5	28.0	26.0	26.8	26.5	27.3	27.8
	6H	26.3	27.0	26.8	27.5	28.0	26.3	27.0	26.8	27.5	28.0
	8H	26.3	26.9	26.8	27.4	27.9	26.4	27.0	26.9	27.5	28.0
	12H	26.3	26.8	26.9	27.3	27.9	26.5	27.0	27.0	27.5	28.0
12H	4H	26.2	27.0	26.7	27.5	28.0	26.1	26.8	26.5	27.2	27.7
	6H	26.4	26.9	26.9	27.4	27.9	26.4	26.9	26.9	27.4	27.9
	8H	26.4	26.9	26.9	27.4	27.9	26.5	27.0	27.0	27.5	28.0

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°	45987.0	51309.3	78568.8	103585.6	57164.8	20970.2	15608.2
50°	28068.4	31697.4	52068.8	79040.7	48829.0	18343.1	12988.1
55°	18008.0	20150.9	31909.8	51894.8	42138.9	16724.2	11197.2
60°	14353.2	15431.4	21304.2	33518.6	36957.9	15745.9	10192.3
65°	12857.3	13474.2	17413.2	24317.8	31709.6	14712.5	9438.6
70°	11232.2	11710.3	15052.7	19906.2	27013.2	13597.9	8734.8
75°	8888.0	9409.4	12170.4	16328.6	23205.3	12307.9	7945.7
80°	6124.6	6517.7	8847.8	12701.6	18813.7	10607.1	6855.1
85°	4786.9	4993.8	6468.6	9376.6	13258.1	8135.1	5199.3

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Luminance values in cd/m²

γ 65°

γ 70°

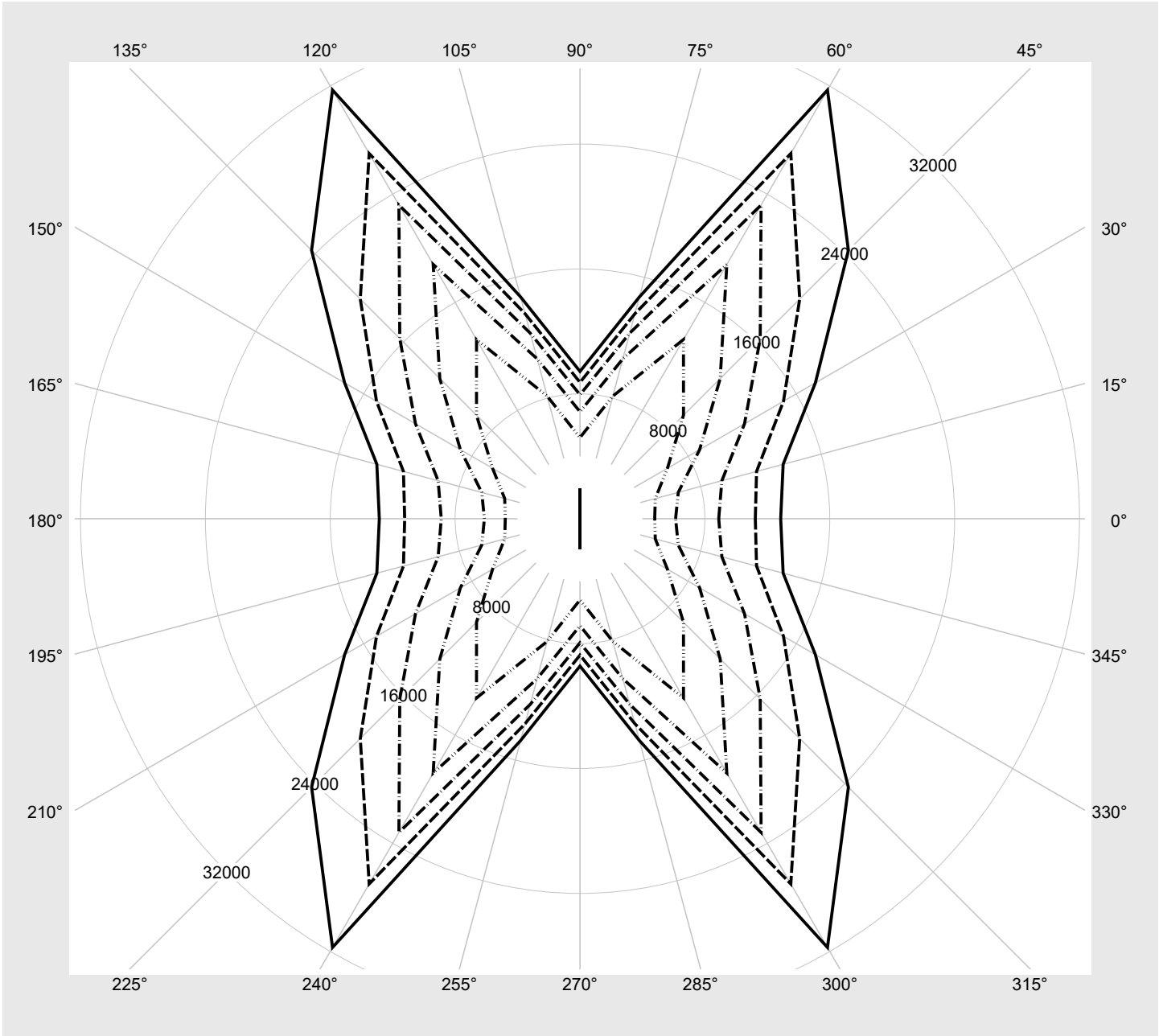
γ 75°

γ 80°

γ 85°

sit

eco



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Family Licross® 21 Recessed	Order number: 52TL19MN4A5G EAN: 4058352891582	LP number 58532_392
Multilumen Table	environmental temperature: 25°C	siteco

DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]
	1	2	3		
1	A	C	E	10530	60.5
2	A	C	F	9910	56.5
3	A	D	E	9440	53.4
4	A	D	F	8950	50.3
5	B	C	E	8450	47.3
6	B	C	F	7950	44.4
7	B	D	E	7440	41.4
8	B	D	F	6930	38.4