

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL18MN4D5M
EAN: 4058352940778

LP number
58690_116



Version cover frosted, medium distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG Multilumen
Rated values Net luminous flux = 13950 lm
Power consumption = 74.5 W
Luminous efficacy = 187.2 lm/W

serial
documentation
11.10.2023

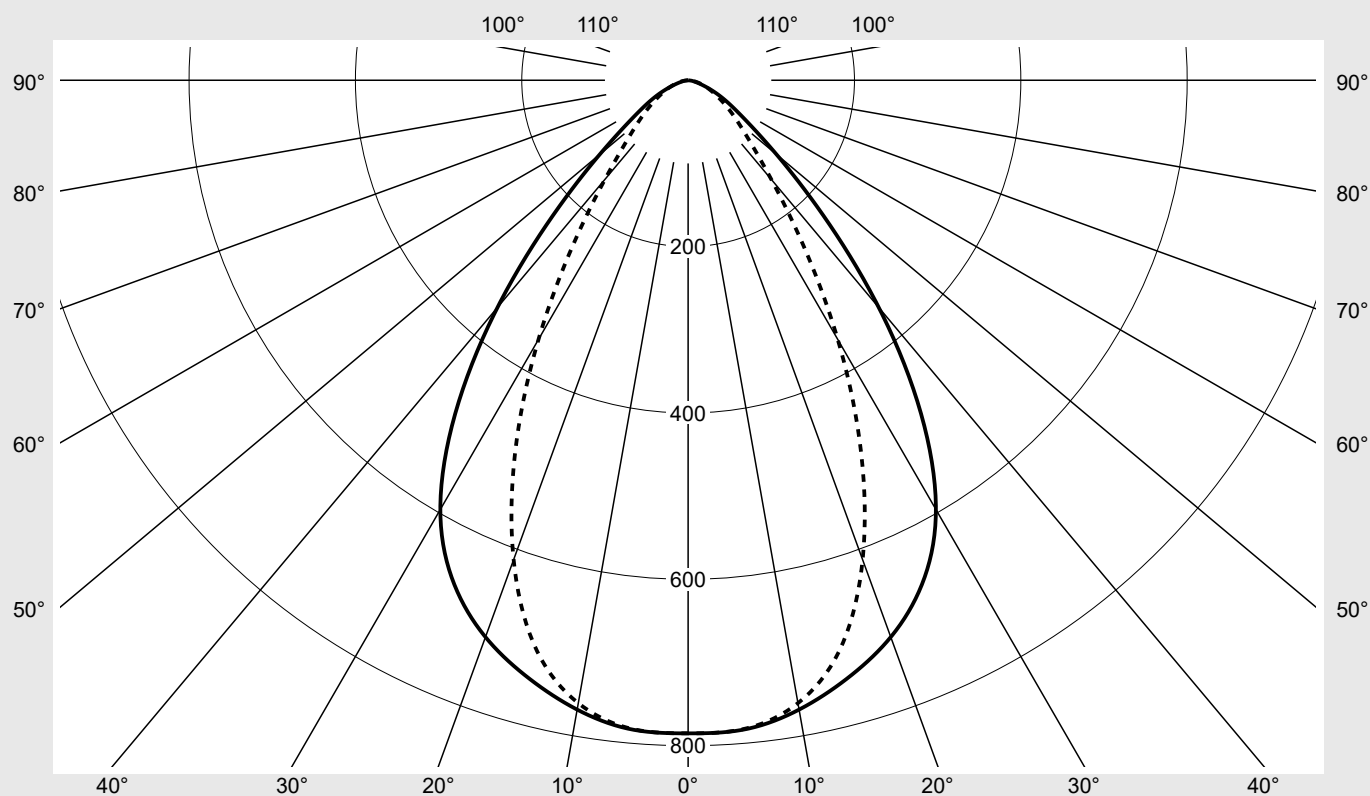
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 785 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=78 N2=94 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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	4.7	4.7
5°	783.4	781.4	776.6	779.8	781.8	782.1	782.7	37.3	42.0
10°	768.3	766.7	761.5	762.8	763.5	761.1	760.4	72.7	114.7
15°	743.6	742.7	733.7	728.3	720.6	709.9	707.4	103.1	217.8
20°	712.4	708.4	691.4	669.5	643.5	621.3	613.4	124.9	342.7
25°	666.9	659.0	622.8	576.9	532.3	501.9	491.6	134.0	476.7
30°	595.9	578.6	522.8	456.8	403.1	370.2	359.8	128.3	605.0
35°	487.4	465.5	401.4	331.1	278.9	249.4	240.2	109.5	714.5
40°	356.6	334.8	278.6	220.0	182.5	161.7	155.6	84.2	798.7
45°	229.8	212.6	172.5	137.3	118.7	108.8	106.4	59.3	858.0
50°	138.7	127.9	104.9	89.6	83.6	79.2	78.2	41.5	899.6
55°	86.1	79.8	69.3	65.4	63.7	60.2	58.5	30.7	930.3
60°	57.8	53.9	50.5	51.8	50.6	46.1	43.1	24.0	954.3
65°	38.0	36.1	37.7	39.9	40.1	34.9	31.4	18.5	972.8
70°	21.9	21.5	24.3	28.4	29.8	25.8	22.4	13.0	985.8
75°	11.6	11.4	12.7	17.5	19.8	17.4	14.7	8.1	993.9
80°	5.8	5.7	6.1	8.6	10.9	9.9	8.2	4.3	998.3
85°	2.4	2.3	2.4	3.2	4.0	3.9	3.0	1.7	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	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	22.9	24.2	23.2	24.5	24.9	20.2	21.6	20.6	21.9	22.2
	3H	23.1	24.3	23.5	24.7	25.0	20.9	22.1	21.3	22.5	22.8
	4H	23.2	24.3	23.6	24.6	25.0	21.2	22.3	21.6	22.7	23.0
	6H	23.2	24.2	23.6	24.5	24.9	21.3	22.4	21.8	22.7	23.1
	8H	23.3	24.1	23.7	24.5	24.9	21.5	22.4	21.9	22.8	23.2
	12H	23.3	24.0	23.7	24.4	24.8	21.5	22.3	21.9	22.7	23.1
4H	2H	22.9	24.1	23.3	24.4	24.8	20.7	21.8	21.1	22.1	22.5
	3H	23.3	24.2	23.7	24.6	25.0	21.6	22.5	22.0	22.9	23.3
	4H	23.4	24.2	23.8	24.6	25.1	22.0	22.8	22.4	23.2	23.7
	6H	23.4	24.1	23.9	24.5	25.0	22.3	23.0	22.7	23.4	23.9
	8H	23.4	24.0	23.9	24.5	25.0	22.3	23.0	22.8	23.4	23.9
	12H	23.4	24.0	23.9	24.4	24.9	22.4	22.9	22.9	23.4	23.9
8H	4H	23.4	24.1	23.9	24.5	25.0	22.2	22.8	22.6	23.2	23.7
	6H	23.5	24.0	24.0	24.5	25.0	22.5	23.0	23.0	23.5	24.0
	8H	23.5	23.9	24.0	24.4	24.9	22.6	23.1	23.2	23.6	24.1
	12H	23.5	23.9	24.0	24.4	24.9	22.7	23.1	23.3	23.6	24.2
12H	4H	23.4	24.0	23.9	24.5	24.9	22.2	22.7	22.7	23.2	23.6
	6H	23.5	23.9	24.0	24.4	24.9	22.6	23.0	23.1	23.5	24.0
	8H	23.5	23.9	24.0	24.4	24.9	22.7	23.1	23.2	23.6	24.1

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°	52112.8	48218.4	39117.1	31125.3	26918.2	24666.0	24137.7
50°	34593.3	31910.2	26159.6	22354.2	20847.2	19755.9	19496.7
55°	24074.2	22300.2	19363.5	18296.2	17810.0	16822.9	16356.9
60°	18538.4	17285.2	16203.5	16596.0	16229.8	14797.9	13818.8
65°	14406.5	13686.4	14288.1	15128.1	15195.7	13233.4	11918.7
70°	10283.5	10089.9	11374.0	13292.8	13972.6	12072.5	10486.5
75°	7210.0	7038.4	7894.0	10868.9	12243.0	10808.2	9128.7
80°	5373.2	5220.8	5651.1	7897.7	10026.2	9180.3	7534.9
85°	4478.0	4270.1	4478.0	5957.1	7364.5	7265.2	5580.0

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Luminance values in cd/m²

γ 65°

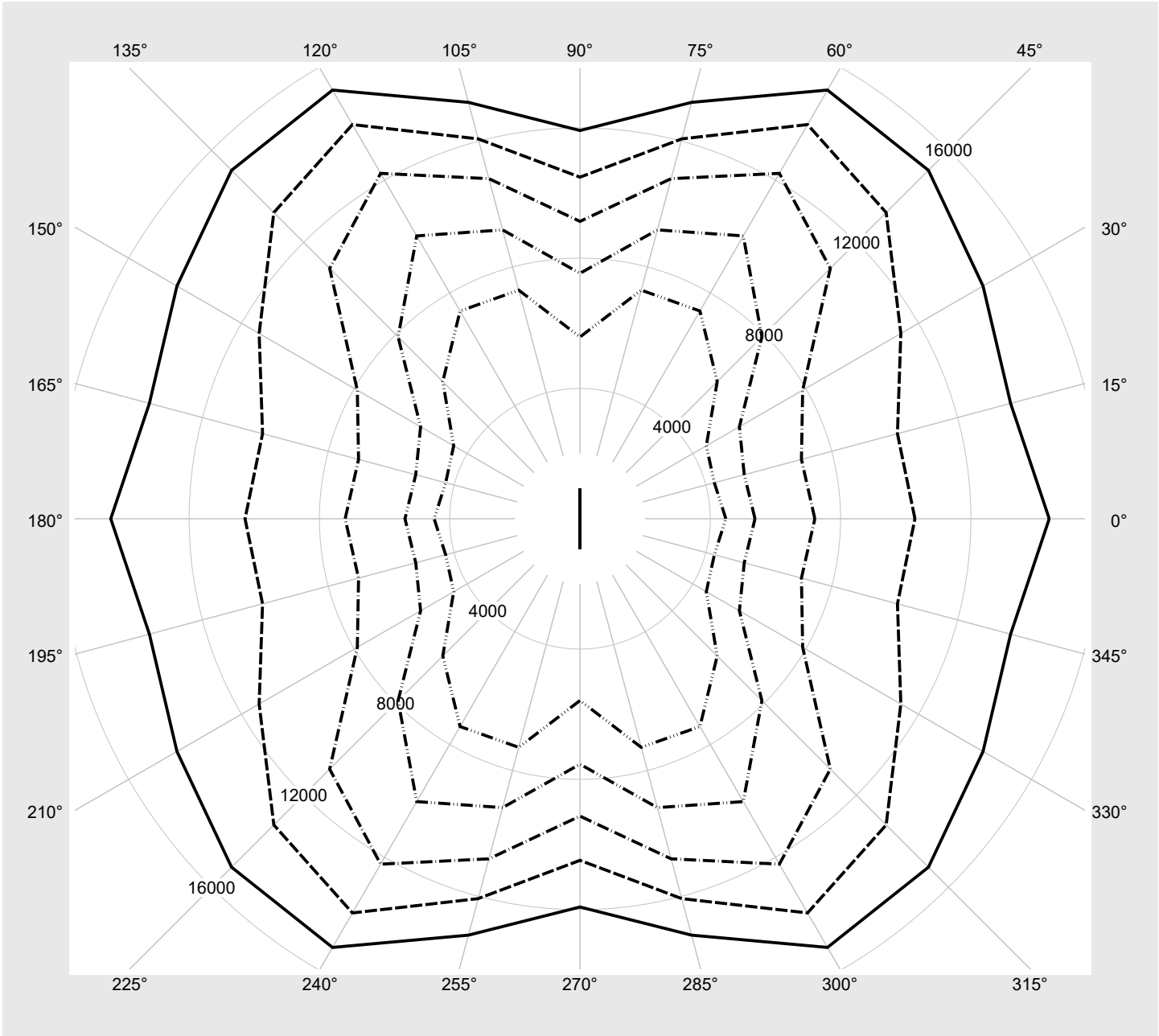
γ 70°

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	13950	74.5
2	A	C	F	12980	68.7
3	A	D	E	12000	63.0
4	A	D	F	11010	57.4
5	B	C	E	10000	51.7
6	B	C	F	8990	46.2
7	B	D	E	8040	41.1
8	B	D	F	7010	35.6