

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL18CN4C5M
EAN: 4058352929780

LP number
58690_141



Version cover frosted, medium distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Rated values Net luminous flux = 12610 lm
Power consumption = 66.5 W
Luminous efficacy = 189.6 lm/W

serial
documentation
14.11.2025

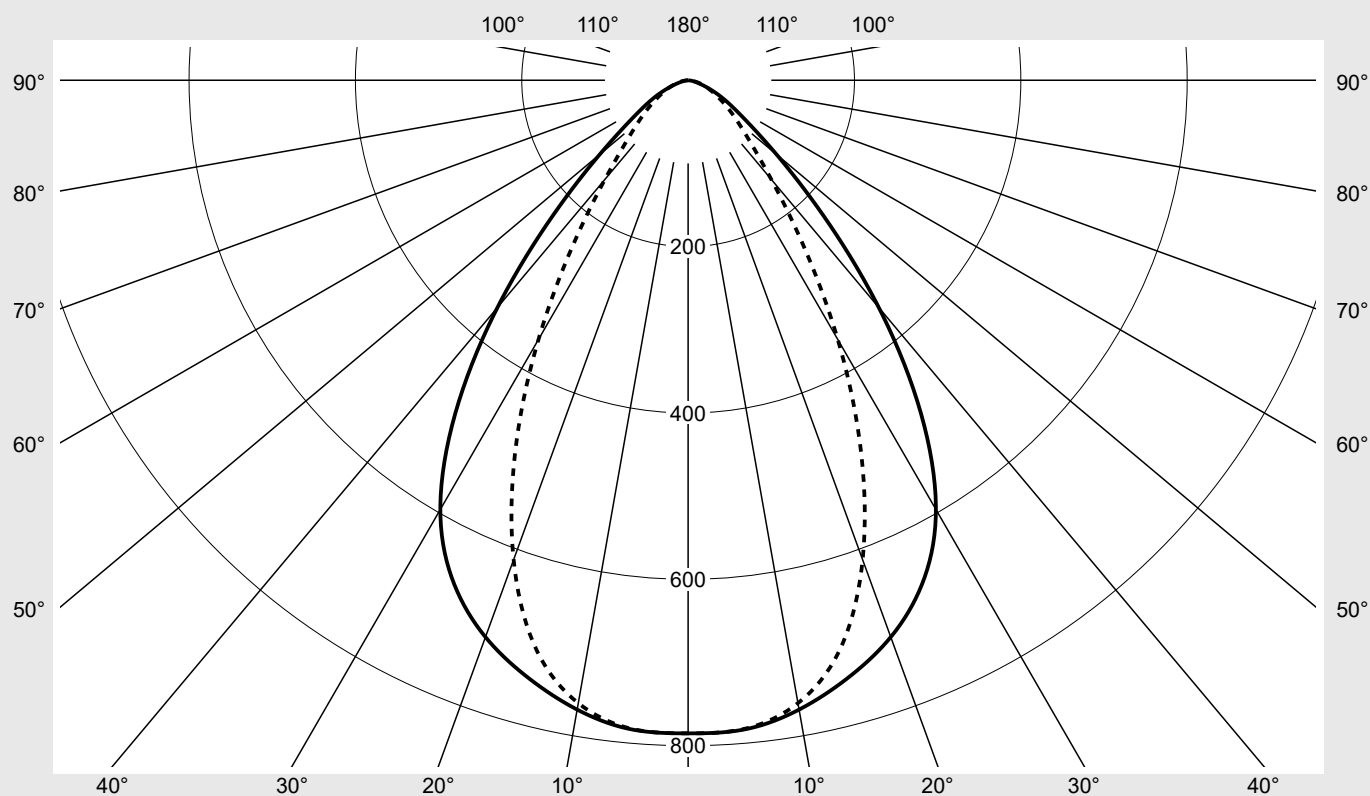
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Luminous intensity in cd/klm

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	22.5	23.9	22.9	24.2	24.5	19.9	21.2	20.2	21.6	21.9	
	3H	22.8	24.0	23.2	24.3	24.7	20.6	21.8	20.9	22.1	22.5	
	4H	22.8	23.9	23.2	24.3	24.6	20.8	22.0	21.2	22.3	22.7	
	6H	22.8	23.8	23.2	24.2	24.6	21.0	22.0	21.4	22.4	22.8	
	8H	22.9	23.8	23.3	24.1	24.6	21.1	22.0	21.5	22.4	22.8	
	12H	22.9	23.7	23.3	24.1	24.5	21.1	22.0	21.5	22.4	22.8	
4H	2H	22.6	23.7	23.0	24.1	24.4	20.3	21.4	20.7	21.8	22.2	
	3H	23.0	23.9	23.4	24.3	24.7	21.3	22.2	21.7	22.6	23.0	
	4H	23.0	23.9	23.5	24.3	24.7	21.7	22.5	22.1	22.9	23.3	
	6H	23.1	23.8	23.5	24.2	24.7	21.9	22.6	22.4	23.1	23.5	
	8H	23.1	23.7	23.5	24.1	24.6	22.0	22.6	22.5	23.1	23.6	
	12H	23.1	23.6	23.6	24.1	24.6	22.1	22.6	22.5	23.1	23.6	
8H	4H	23.1	23.7	23.6	24.2	24.6	21.8	22.4	22.3	22.9	23.4	
	6H	23.1	23.6	23.6	24.1	24.6	22.2	22.7	22.7	23.2	23.7	
	8H	23.1	23.6	23.6	24.1	24.6	22.3	22.8	22.8	23.2	23.8	
	12H	23.1	23.5	23.7	24.0	24.6	22.4	22.8	22.9	23.3	23.8	
12H	4H	23.1	23.6	23.6	24.1	24.6	21.8	22.3	22.3	22.8	23.3	
	6H	23.1	23.6	23.6	24.1	24.6	22.2	22.6	22.7	23.1	23.6	
	8H	23.1	23.5	23.7	24.0	24.6	22.3	22.7	22.9	23.2	23.8	

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°	47107.0	43586.7	35359.6	28135.5	24332.5	22296.7	21819.1
50°	31270.4	28845.0	23646.7	20206.9	18844.7	17858.2	17623.9
55°	21761.7	20158.1	17503.5	16538.7	16099.2	15207.0	14785.7
60°	16757.7	15624.8	14647.0	15001.8	14670.8	13376.5	12491.4
65°	13022.7	12371.7	12915.7	13675.0	13736.0	11962.2	10773.8
70°	9295.7	9120.7	10281.4	12016.0	12630.4	10912.9	9479.2
75°	6517.5	6362.3	7135.7	9824.9	11067.0	9770.0	8251.8
80°	4857.1	4719.3	5108.3	7139.1	9063.1	8298.5	6811.1
85°	4047.8	3859.9	4047.8	5384.9	6657.1	6567.3	5044.0

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Luminance values in cd/m²

γ 65°

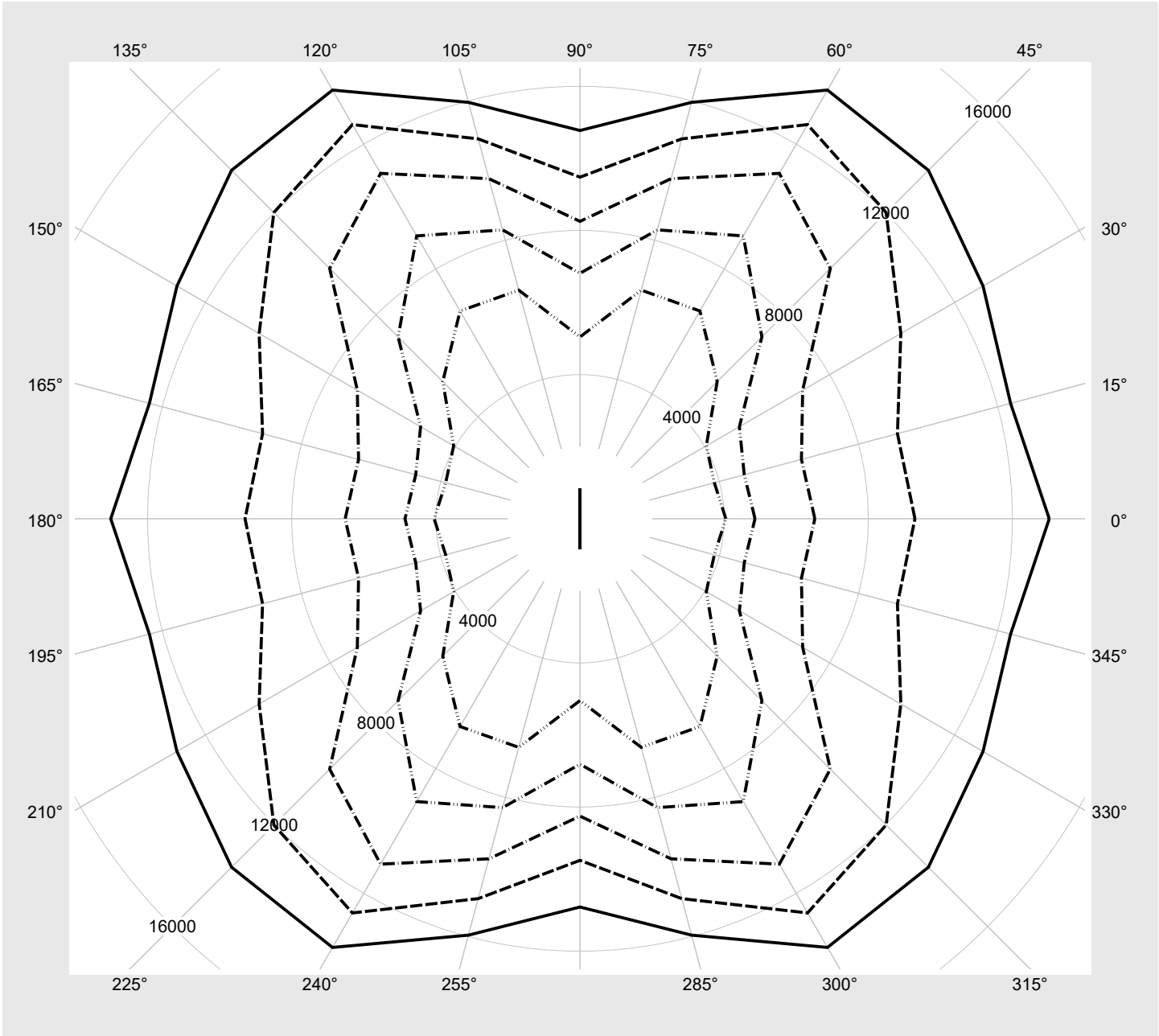
γ 70°

γ 75°

γ 80°

γ 85°

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Multilumen Table		environmental temperature: 25°C



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	12610	66.5	70.0	68.2
2	A	C	F	12000	63.0	66.5	64.8
3	A	D	E	11010	57.3	60.4	58.8
4	A	D	F	10010	51.7	54.3	53.0
5	B	C	E	8990	46.2	48.7	47.4
6	B	C	F	8040	41.1	43.2	42.2
7	B	D	E	7010	35.6	37.3	36.4
8	B	D	F	6040	30.6	32.3	31.4