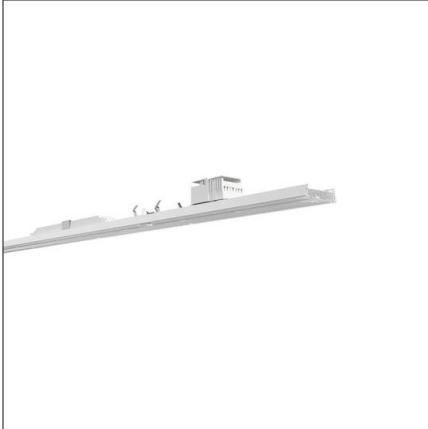


Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL12CN4CXLD
EAN: 4058352418161

LP number
58689_18



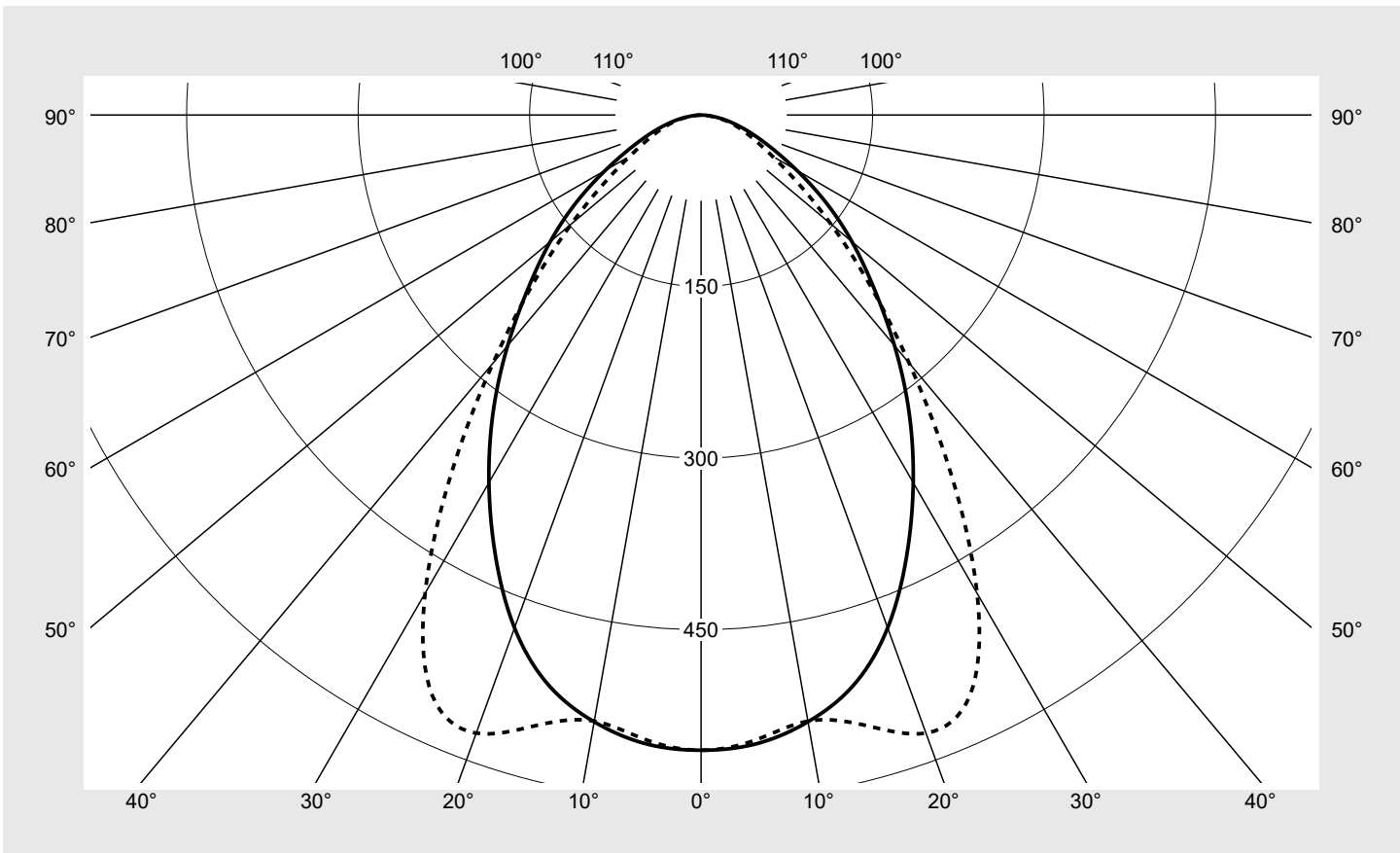
Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-Multilumen CLOi
Setting AC-mode
Rated values Net luminous flux = 12160 lm
 Power consumption = 68.8 W
 Luminous efficacy = 176.7 lm/W

serial
documentation
26.08.2020

sitEco

Luminous intensity in cd/klm **C180-0** **C270-90**

Imax: 575 cd/klm



Classifications

DIN 5040 A 5 0
 CIE N1=66 N2=91 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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Family Licross® 11 Recessed	Order number: 51TL12CN4CXLD EAN: 4058352418161	LP number 58689_18
Table of values for luminous intensities		Maximum luminous intensity
		sITeco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm							Luminous flux in lm/klm		
0°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	3.3	3.3
5°	551.9	549.3	545.0	546.0	548.1	548.0	548.5	26.2	29.5
10°	538.7	535.0	528.7	529.1	532.7	535.9	538.2	50.8	80.3
15°	515.9	510.9	504.6	513.1	530.5	544.7	552.3	74.2	154.5
20°	477.2	471.4	470.1	497.6	537.0	563.7	575.1	95.8	250.2
25°	425.5	419.5	426.9	469.4	521.2	548.6	558.0	111.1	361.3
30°	371.2	364.3	378.4	421.3	459.9	477.2	482.9	115.5	476.8
35°	317.2	309.8	328.6	357.7	367.8	374.7	379.7	109.4	586.2
40°	263.2	255.5	280.4	291.4	277.2	277.7	283.1	97.2	683.4
45°	213.7	204.0	230.1	230.5	202.8	200.2	207.0	82.5	765.9
50°	172.3	160.2	177.2	176.6	149.6	143.3	148.0	67.7	833.6
55°	133.3	121.6	126.4	129.1	111.8	101.0	103.0	53.0	886.6
60°	96.7	87.9	85.2	90.2	83.1	71.0	72.1	39.7	926.3
65°	67.7	61.0	56.3	61.1	60.5	50.8	52.1	29.0	955.3
70°	46.9	41.7	36.5	40.2	42.1	36.4	38.1	20.6	975.8
75°	30.9	26.7	22.6	25.0	27.1	24.7	26.6	13.7	989.5
80°	17.8	14.8	12.0	13.1	14.7	14.1	15.6	7.7	997.1
85°	6.6	5.4	4.4	4.8	5.3	5.4	5.9	2.9	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

Photometric test report

Family Licross® 11 Recessed	Order number: 51TL12CN4CXLD EAN: 4058352418161	LP number 58689_18
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UGR-Table	Standard room	siteco
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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	23.6	25.1	23.9	25.4	25.7	23.0	24.5	23.4	24.8	25.1
	3H	24.3	25.6	24.7	26.0	26.3	23.6	24.9	24.0	25.3	25.6
	4H	24.6	25.8	25.0	26.2	26.5	23.9	25.1	24.3	25.5	25.8
	6H	24.8	25.9	25.2	26.3	26.7	24.1	25.2	24.5	25.6	26.0
	8H	24.9	26.0	25.4	26.3	26.7	24.2	25.2	24.6	25.6	26.0
	12H	25.0	25.9	25.4	26.3	26.7	24.2	25.2	24.7	25.6	26.0
4H	2H	23.9	25.1	24.3	25.5	25.8	23.5	24.7	23.9	25.0	25.4
	3H	24.7	25.7	25.1	26.1	26.5	24.2	25.3	24.7	25.6	26.1
	4H	25.1	26.0	25.5	26.4	26.8	24.6	25.5	25.0	25.9	26.3
	6H	25.3	26.1	25.8	26.6	27.0	24.9	25.7	25.3	26.1	26.5
	8H	25.4	26.2	25.9	26.6	27.1	25.0	25.7	25.4	26.1	26.6
	12H	25.5	26.1	26.0	26.6	27.1	25.0	25.7	25.5	26.1	26.6
8H	4H	25.2	25.9	25.6	26.3	26.8	24.7	25.4	25.2	25.9	26.3
	6H	25.5	26.1	26.0	26.5	27.0	25.1	25.7	25.6	26.1	26.6
	8H	25.6	26.1	26.1	26.6	27.1	25.2	25.7	25.7	26.2	26.7
	12H	25.7	26.1	26.2	26.6	27.2	25.3	25.7	25.8	26.2	26.8
12H	4H	25.2	25.8	25.7	26.3	26.7	24.7	25.3	25.2	25.8	26.3
	6H	25.5	26.0	26.0	26.5	27.0	25.1	25.6	25.6	26.1	26.6
	8H	25.6	26.1	26.1	26.6	27.1	25.2	25.7	25.7	26.2	26.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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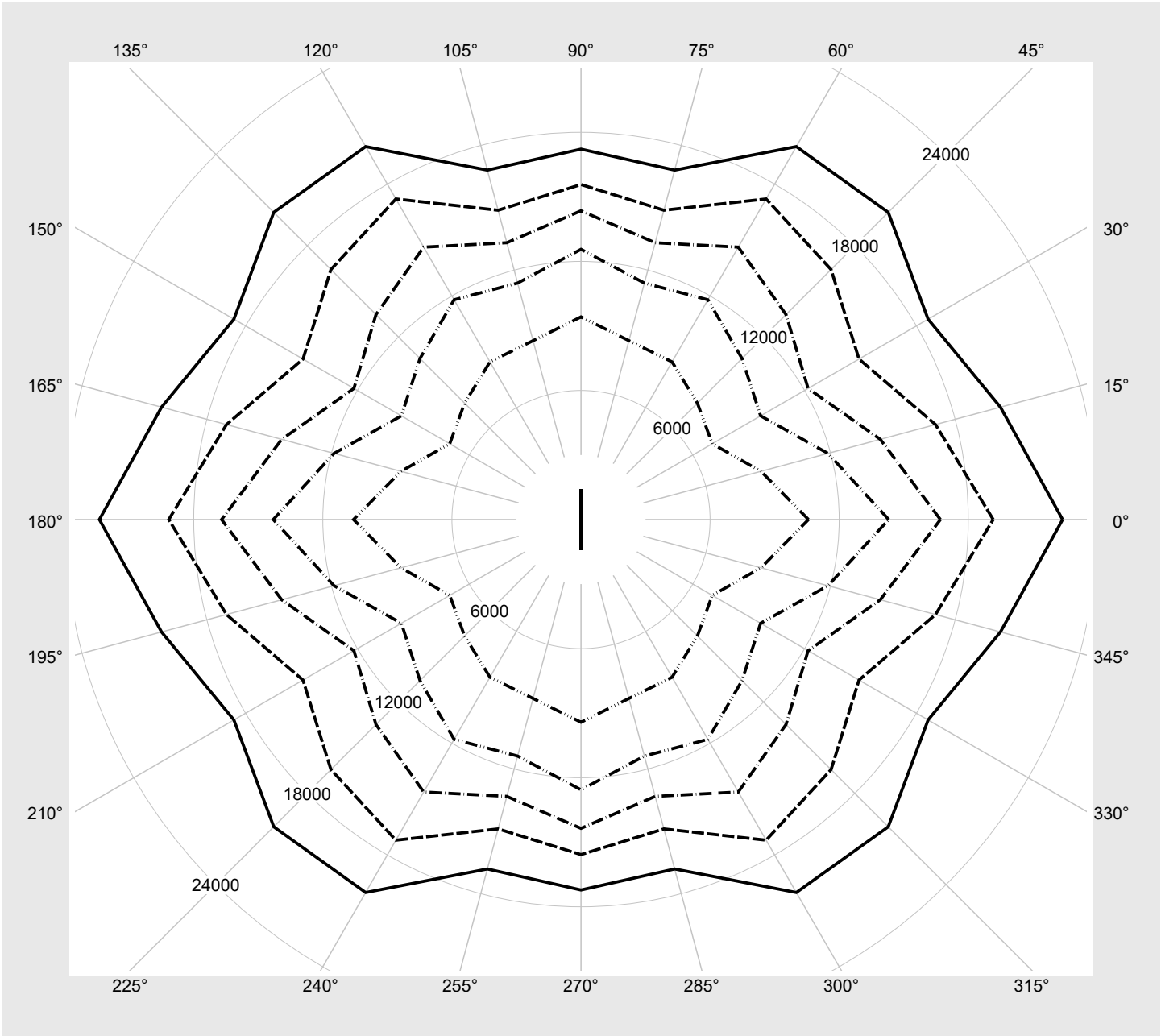
C-planes	γ	Luminance in cd/m ²						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		42242.0	40321.2	45474.8	45554.4	40089.4	39567.5	40922.9
50°		37459.0	34843.6	38535.4	38407.7	32531.3	31159.9	32180.6
55°		32489.4	29621.2	30791.6	31453.0	27237.3	24619.2	25099.7
60°		27024.0	24565.2	23824.9	25208.7	23238.7	19849.9	20143.9
65°		22384.4	20183.4	18628.7	20195.3	20017.1	16814.4	17218.2
70°		19160.0	17059.1	14920.6	16437.1	17208.7	14884.6	15572.4
75°		16705.3	14402.1	12188.5	13475.4	14621.9	13320.9	14352.4
80°		14303.1	11882.8	9639.5	10583.7	11796.7	11380.5	12561.3
85°		10573.1	8661.5	7045.0	7651.2	8462.6	8608.6	9420.0

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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
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DIP-Step	Switch Setting			Luminous flux [lm]	Power consumption [W]	Power consumption	Power consumption
	1	2	3			end of lifetime [W]	average [W]
1	A	C	E	12160	68.8	76.9	72.8
2	A	C	F	11090	62.1	69.3	65.7
3	A	D	E	10080	56.0	62.2	59.1
4	A	D	F	9050	49.9	55.2	52.6
5	B	C	E	8000	43.9	48.6	46.2
6	B	C	F	7020	38.4	42.2	40.3
7	B	D	E	6030	32.9	36.3	34.6
8	B	D	F	5040	27.5	30.0	28.8