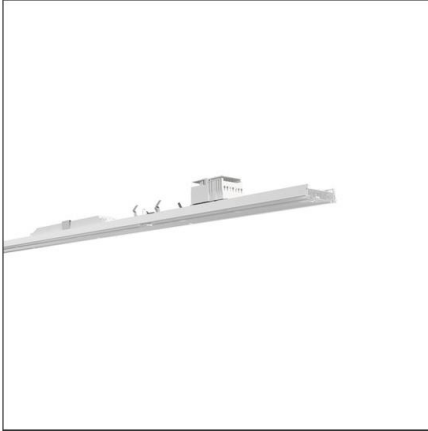


Photometric test report

Family
Licross® Recessed

Order number: 51TL18DN4C5L
EAN: 4058352293119

LP number
58690_10



Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 12830 lm
 Power consumption = 76.0 W
 Luminous efficacy = 168.8 lm/W

serial
documentation
19.11.2019

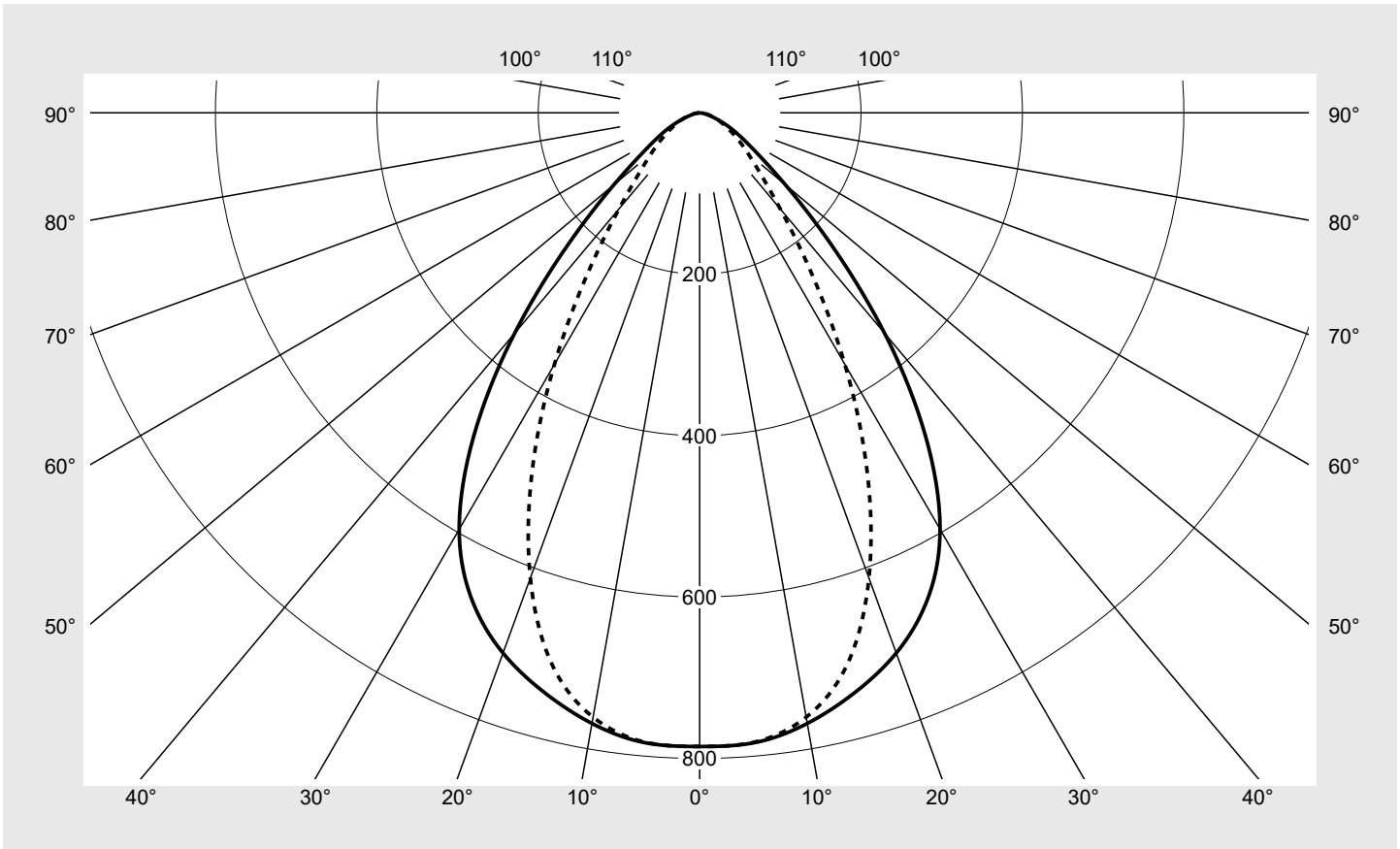
sitEco

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

Photometric test report

Family Licross® Recessed	Order number: 51TL18DN4C5L EAN: 4058352293119	LP number 58690_10
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°	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

Photometric test report

Family Licross® Recessed	Order number: 51TL18DN4C5L EAN: 4058352293119	LP number 58690_10
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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	22.6	23.9	22.9	24.2	24.6	19.9	21.3	20.3	21.6	21.9
	3H	22.8	24.0	23.2	24.4	24.7	20.6	21.8	21.0	22.2	22.5
	4H	22.9	24.0	23.3	24.3	24.7	20.9	22.0	21.3	22.4	22.7
	6H	22.9	23.9	23.3	24.2	24.6	21.1	22.1	21.5	22.5	22.9
	8H	23.0	23.8	23.4	24.2	24.6	21.2	22.1	21.6	22.5	22.9
	12H	23.0	23.7	23.4	24.1	24.6	21.2	22.0	21.6	22.4	22.8
4H	2H	22.7	23.8	23.1	24.1	24.5	20.4	21.5	20.8	21.8	22.2
	3H	23.0	23.9	23.4	24.3	24.8	21.3	22.2	21.8	22.6	23.0
	4H	23.1	23.9	23.5	24.3	24.8	21.7	22.5	22.2	22.9	23.4
	6H	23.1	23.8	23.6	24.3	24.7	22.0	22.7	22.4	23.1	23.6
	8H	23.1	23.7	23.6	24.2	24.7	22.1	22.7	22.5	23.1	23.6
	12H	23.2	23.7	23.6	24.1	24.6	22.1	22.7	22.6	23.1	23.6
8H	4H	23.1	23.8	23.6	24.2	24.7	21.9	22.5	22.3	22.9	23.4
	6H	23.2	23.7	23.7	24.2	24.7	22.2	22.8	22.7	23.2	23.7
	8H	23.2	23.6	23.7	24.1	24.7	22.4	22.8	22.9	23.3	23.8
	12H	23.2	23.6	23.7	24.1	24.6	22.5	22.8	23.0	23.3	23.9
12H	4H	23.2	23.7	23.6	24.2	24.7	21.9	22.4	22.4	22.9	23.4
	6H	23.2	23.6	23.7	24.1	24.6	22.3	22.7	22.8	23.2	23.7
	8H	23.2	23.6	23.7	24.1	24.6	22.4	22.8	22.9	23.3	23.8

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500
			B = 58

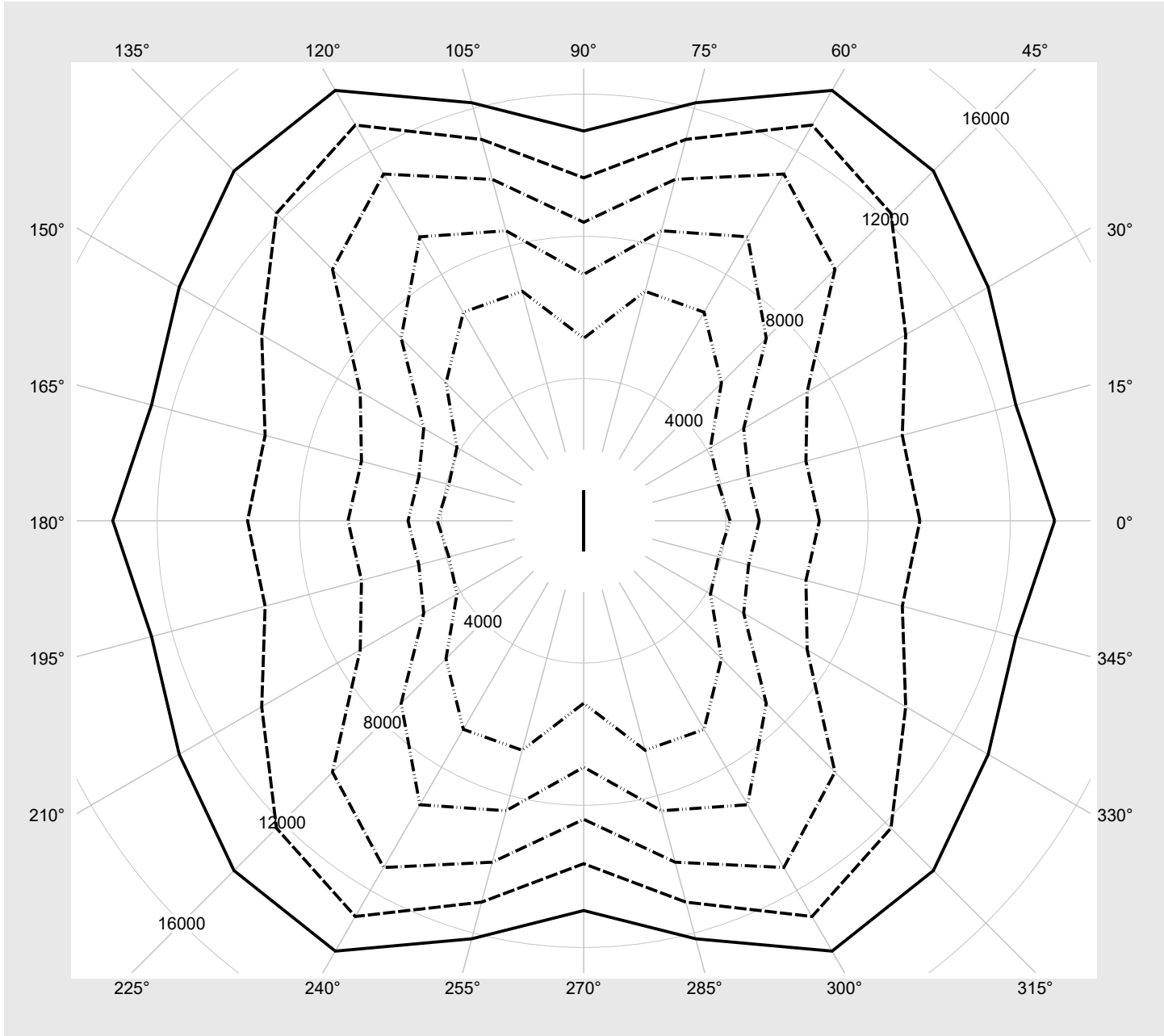
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
	45°	47928.8	44347.1	35976.5	28626.4	24757.0	22685.7	22199.7	
	50°	31815.9	29348.2	24059.3	20559.4	19173.5	18169.7	17931.4	
	55°	22141.4	20509.8	17808.9	16827.2	16380.1	15472.3	15043.7	
	60°	17050.0	15897.4	14902.6	15263.6	14926.7	13609.8	12709.4	
	65°	13249.9	12587.6	13141.0	13913.6	13975.7	12170.9	10961.8	
	70°	9457.9	9279.8	10460.8	12225.6	12850.8	11103.2	9644.6	
	75°	6631.2	6473.3	7260.2	9996.3	11260.1	9940.5	8395.8	
	80°	4941.8	4801.7	5197.4	7263.7	9221.2	8443.3	6929.9	
	85°	4118.4	3927.2	4118.4	5478.8	6773.2	6681.9	5132.0	

Photometric test report

Family Licross® Recessed	Order number: 51TL18DN4C5L EAN: 4058352293119	LP number 58690_10
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Luminance values in cd/m²

γ 65°
γ 70°
γ 75°
γ 80°
γ 85°



Photometric test report

Family Licross® Recessed	Order number: 51TL18DN4C5L EAN: 4058352293119	LP number 58690_10
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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	12830	76.0
95	241	252	12187	71.9
90	227	250	11526	67.6
85	214	248	10913	63.7
80	200	245	10251	59.7
75	187	243	9610	55.7
70	174	240	8967	52.0
65	161	237	8326	48.1
60	148	234	7684	44.3
55	135	231	7042	40.6
50	123	227	6421	37.1
45	110	223	5750	33.4
40	97	219	5108	29.9
35	85	214	4487	26.4
30	73	208	3835	22.9
25	61	202	3216	19.5
20	48	193	2542	16.0
15	37	183	1944	12.8
10	25	169	1293	9.5
5	13	145	672	6.3