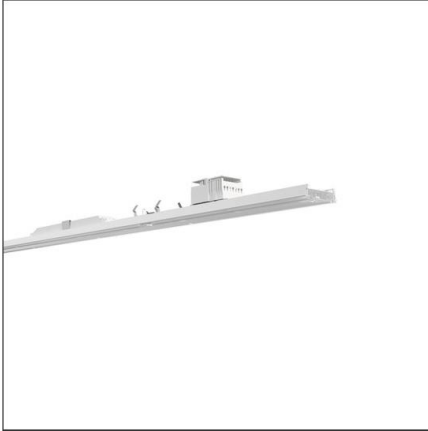


Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL18VN555F
EAN: 4058352466452

LP number
58691_52



Version cover frosted, wide distribution, high visual comfort

Lamps LED 5000 K | CRI ≥ 80

Controlgear ECG-DALI CLO

Rated values Net luminous flux = 5570 lm
Power consumption = 33.6 W
Luminous efficacy = 165.8 lm/W

serial
documentation
04.12.2020

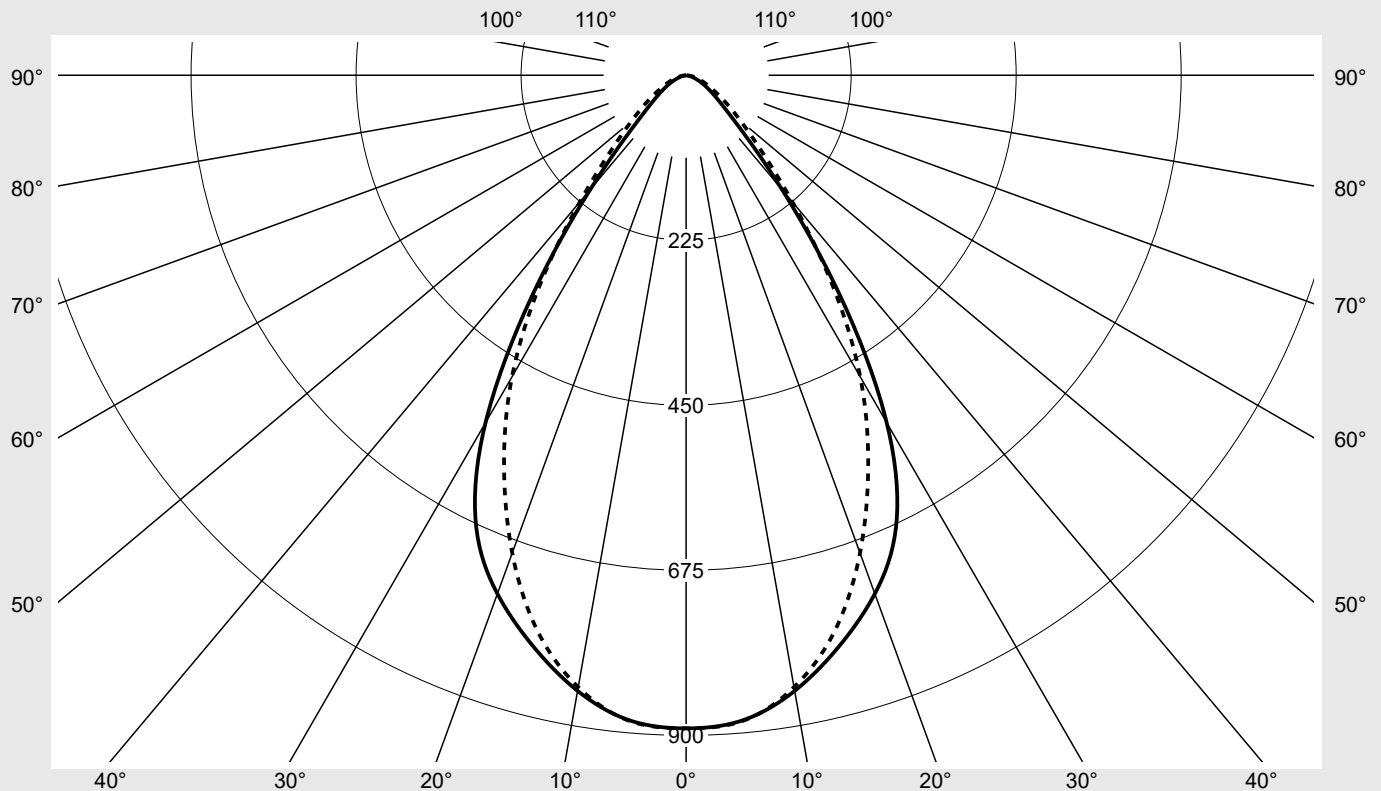
sitEco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 890 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=83 N2=96 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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Family Licross® 11 Recessed	Order number: 51TL18VN555F EAN: 4058352466452	LP number 58691_52
Table of values for luminous intensities		
Maximum luminous intensity		

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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	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: 51TL18VN555F EAN: 4058352466452	LP number 58691_52
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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	16.9	18.2	17.3	18.5	18.9	17.8	19.2	18.2	19.5	19.8
	3H	17.1	18.3	17.5	18.6	18.9	18.3	19.5	18.7	19.8	20.2
	4H	17.1	18.2	17.5	18.6	18.9	18.5	19.6	18.9	19.9	20.3
	6H	17.1	18.1	17.5	18.5	18.9	18.7	19.6	19.1	20.0	20.4
	8H	17.2	18.0	17.6	18.4	18.8	18.8	19.6	19.2	20.0	20.4
	12H	17.2	18.0	17.6	18.4	18.8	18.8	19.5	19.2	19.9	20.4
4H	2H	17.1	18.1	17.5	18.5	18.9	17.9	19.0	18.3	19.3	19.7
	3H	17.4	18.3	17.8	18.6	19.1	18.6	19.5	19.0	19.9	20.3
	4H	17.4	18.2	17.9	18.6	19.1	18.9	19.7	19.3	20.1	20.5
	6H	17.4	18.1	17.9	18.6	19.0	19.1	19.8	19.6	20.2	20.7
	8H	17.5	18.1	17.9	18.5	19.0	19.2	19.8	19.6	20.2	20.7
	12H	17.5	18.0	18.0	18.4	18.9	19.2	19.7	19.7	20.2	20.7
8H	4H	17.5	18.1	18.0	18.6	19.1	18.9	19.5	19.4	20.0	20.4
	6H	17.6	18.1	18.1	18.5	19.1	19.2	19.7	19.7	20.2	20.7
	8H	17.6	18.0	18.1	18.5	19.0	19.3	19.7	19.8	20.2	20.7
	12H	17.6	17.9	18.1	18.5	19.0	19.4	19.7	19.9	20.2	20.8
12H	4H	17.6	18.1	18.1	18.5	19.0	18.9	19.4	19.4	19.9	20.4
	6H	17.6	18.0	18.1	18.5	19.0	19.2	19.6	19.7	20.1	20.6
	8H	17.6	18.0	18.1	18.5	19.0	19.3	19.7	19.8	20.2	20.7

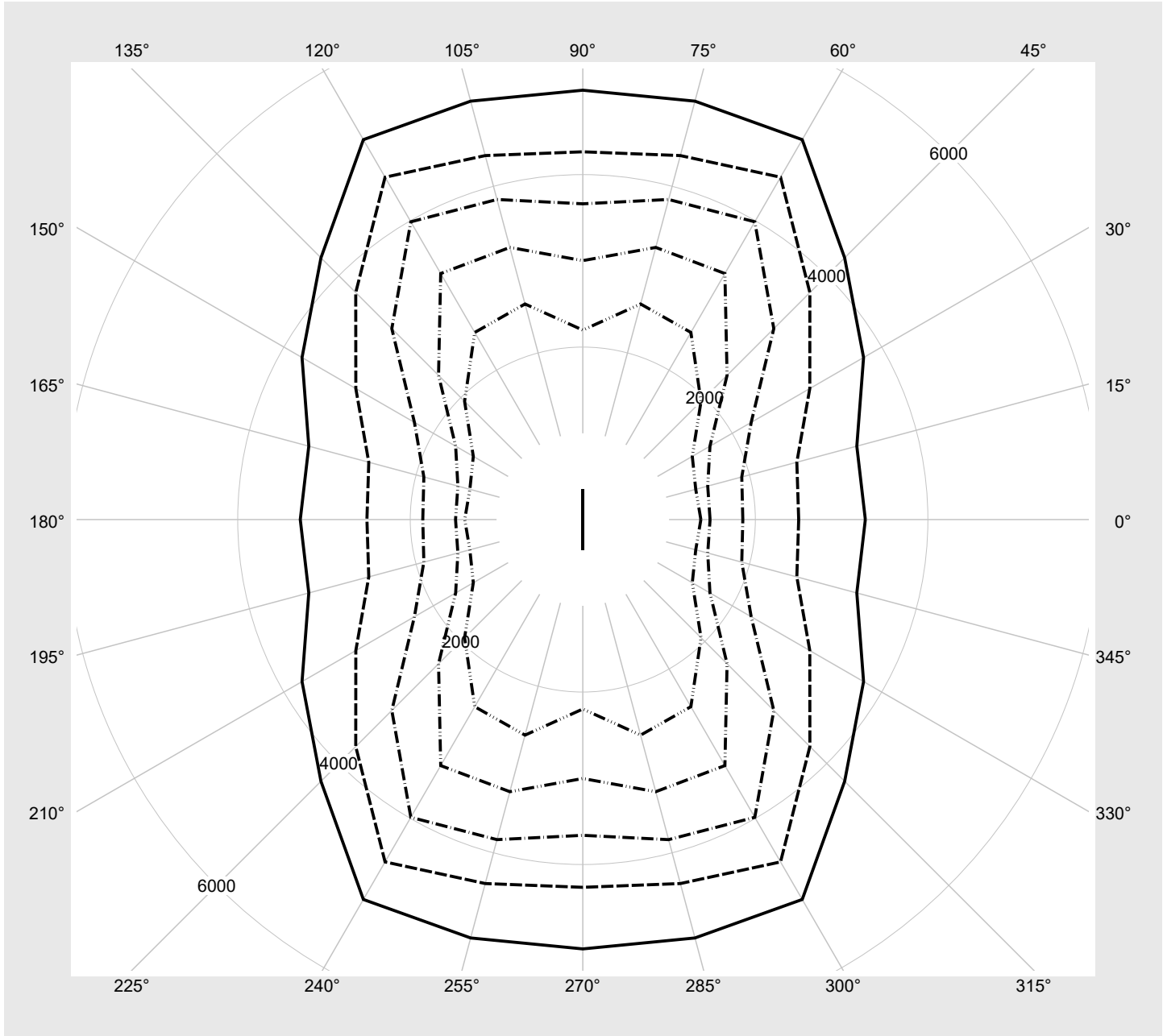
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9853.2	9781.4	9294.6	9385.1	11220.5	12627.7	13050.7	
50°		6648.0	6583.7	6251.2	6636.1	8360.0	9442.1	9686.2	
55°		5088.5	5057.3	5060.1	5465.5	6792.8	7476.5	7567.0	
60°		4088.5	4068.3	4372.6	4870.0	5783.1	6030.2	6024.6	
65°		3274.9	3288.3	3757.9	4292.4	5086.9	5022.8	4978.8	
70°		2502.4	2568.4	3038.1	3722.3	4584.1	4369.6	4264.6	
75°		1854.7	1907.7	2253.8	3130.9	3987.0	3842.6	3661.5	
80°		1475.1	1499.1	1701.9	2364.8	3294.3	3267.0	3002.6	
85°		1368.5	1355.3	1465.5	1937.8	2505.7	2587.9	2197.1	

Photometric test report

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



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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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	5570	33.6	38.4	36.0
95	241	252	5298	32.0	36.5	34.2
90	227	250	5004	30.2	34.4	32.3
85	214	248	4733	28.6	32.6	30.6
80	201	245	4458	26.9	30.7	28.8
75	188	243	4173	25.3	28.7	27.0
70	175	240	3900	23.8	26.9	25.4
65	162	238	3620	22.1	25.0	23.6
60	149	234	3337	20.5	23.2	21.8
55	136	231	3054	18.9	21.3	20.1
50	124	228	2788	17.3	19.6	18.5
45	111	224	2500	15.6	17.8	16.7
40	99	219	2233	14.3	16.0	15.2
35	86	214	1941	12.6	14.2	13.4
30	74	209	1672	11.1	12.4	11.8
25	62	202	1400	9.7	10.8	10.2
20	49	194	1104	8.2	9.1	8.6
15	37	183	830	6.7	7.3	7.0
10	25	169	553	5.2	5.6	5.4
5	13	145	281	3.8	4.0	3.9
3	8	127	167	3.1	3.3	3.2