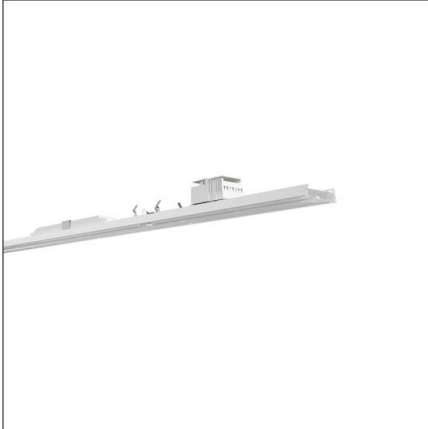


Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL18DV4E5F
EAN: 4058352449066

LP number
58691_37



Version cover frosted, wide distribution, high visual comfort

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

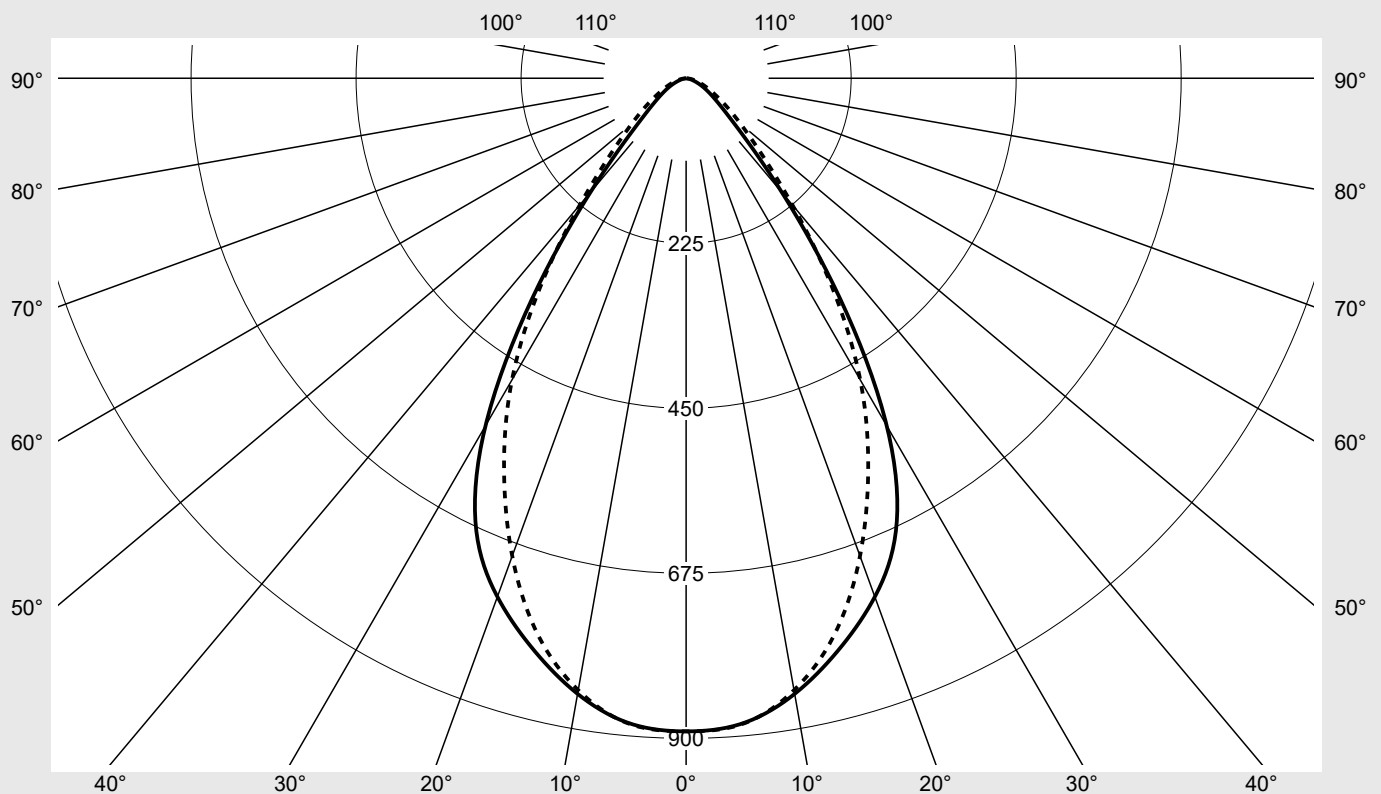
Rated values Net luminous flux = 14980 lm
Power consumption = 89.5 W
Luminous efficacy = 167.4 lm/W

serial
documentation
28.09.2020

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

Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18DV4E5F EAN: 4058352449066	LP number 58691_37
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°	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: 51TL18DV4E5F EAN: 4058352449066	LP number 58691_37
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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	18.9	20.3	19.3	20.6	20.9	19.9	21.2	20.2	21.5	21.8
	3H	19.1	20.3	19.5	20.6	21.0	20.4	21.5	20.7	21.8	22.2
	4H	19.2	20.2	19.6	20.6	21.0	20.6	21.6	21.0	22.0	22.3
	6H	19.2	20.1	19.6	20.5	20.9	20.7	21.6	21.1	22.0	22.4
	8H	19.2	20.1	19.7	20.5	20.9	20.8	21.6	21.2	22.0	22.4
	12H	19.2	20.0	19.7	20.4	20.8	20.8	21.6	21.2	22.0	22.4
4H	2H	19.1	20.2	19.5	20.5	20.9	20.0	21.0	20.4	21.4	21.7
	3H	19.4	20.3	19.8	20.7	21.1	20.6	21.5	21.0	21.9	22.3
	4H	19.5	20.2	19.9	20.7	21.1	20.9	21.7	21.4	22.1	22.6
	6H	19.5	20.2	19.9	20.6	21.1	21.1	21.8	21.6	22.2	22.7
	8H	19.5	20.1	20.0	20.5	21.0	21.2	21.8	21.7	22.2	22.7
	12H	19.5	20.0	20.0	20.5	21.0	21.3	21.8	21.8	22.2	22.7
8H	4H	19.6	20.2	20.0	20.6	21.1	20.9	21.5	21.4	22.0	22.5
	6H	19.6	20.1	20.1	20.6	21.1	21.2	21.7	21.7	22.2	22.7
	8H	19.6	20.0	20.1	20.5	21.1	21.3	21.8	21.8	22.2	22.8
	12H	19.6	20.0	20.2	20.5	21.0	21.4	21.8	21.9	22.3	22.8
12H	4H	19.6	20.1	20.1	20.6	21.1	20.9	21.4	21.4	21.9	22.4
	6H	19.6	20.0	20.2	20.5	21.1	21.2	21.6	21.7	22.1	22.6
	8H	19.7	20.0	20.2	20.5	21.0	21.3	21.7	21.9	22.2	22.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250 B = 58
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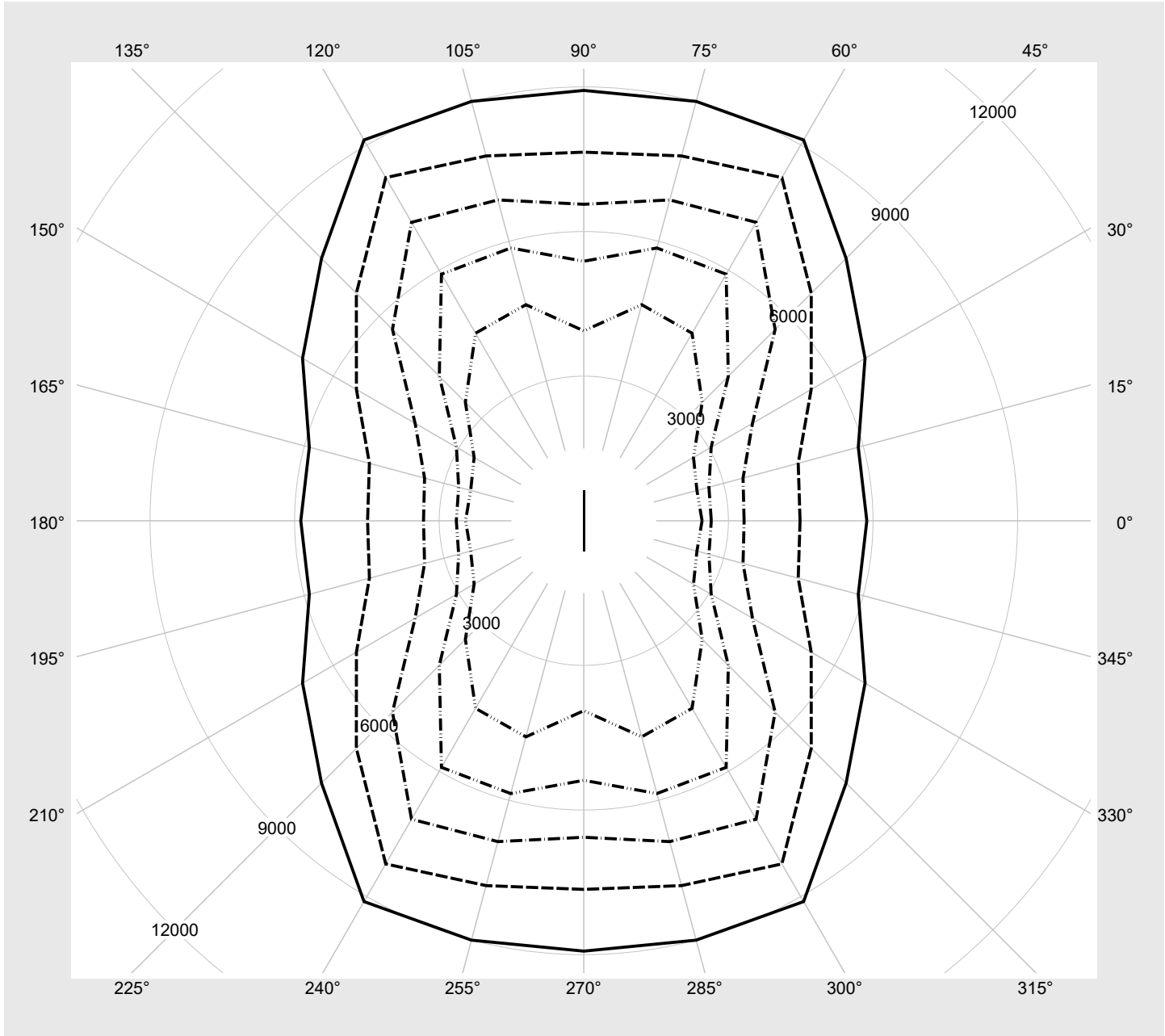
C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		17666.1	17537.4	16664.7	16826.8	20117.7	22640.8	23399.2	
50°		11919.5	11804.2	11208.1	11898.1	14989.0	16929.1	17366.8	
55°		9123.3	9067.4	9072.4	9799.3	12179.0	13404.8	13567.1	
60°		7330.4	7294.2	7839.9	8731.6	10368.7	10811.8	10801.7	
65°		5871.8	5895.7	6737.7	7695.9	9120.5	9005.7	8926.6	
70°		4486.6	4605.1	5447.1	6673.8	8219.0	7834.4	7646.1	
75°		3325.5	3420.4	4040.8	5613.5	7148.5	6889.5	6564.9	
80°		2644.8	2687.8	3051.4	4239.9	5906.4	5857.5	5383.6	
85°		2453.7	2430.0	2627.5	3474.4	4492.5	4640.0	3939.3	

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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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	14980	89.5
95	240	252	14226	84.4
90	226	250	13463	79.2
85	213	248	12745	74.6
80	199	245	11964	69.6
75	186	243	11229	64.9
70	173	240	10487	60.4
65	160	237	9739	55.7
60	147	234	8981	51.2
55	134	231	8220	46.8
50	122	227	7506	42.6
45	109	223	6726	38.3
40	97	219	5999	34.3
35	85	214	5265	30.2
30	72	208	4464	25.9
25	60	201	3717	22.0
20	49	194	3027	18.4
15	37	183	2268	14.6
10	25	169	1503	10.5
5	13	145	732	6.7
2	6	117	279	4.5