

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL18VN58XF
EAN: 4058352466490

LP number
58691_50



Version cover frosted, wide distribution, high visual comfort

Lamps LED 5000 K | CRI ≥ 80

Controlgear ECG-DALI CLO

Rated values Net luminous flux = 8030 lm
Power consumption = 49.4 W
Luminous efficacy = 162.6 lm/W

serial
documentation
04.12.2020

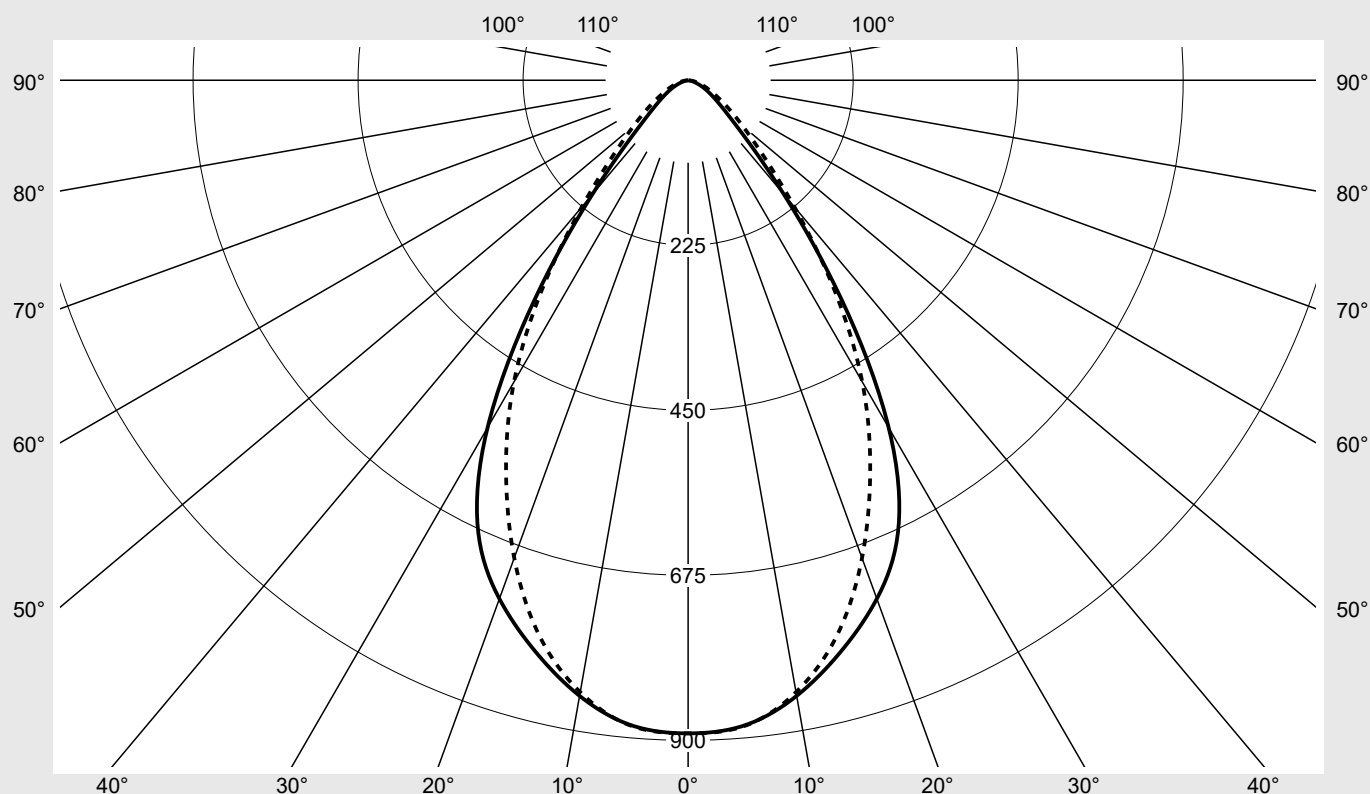
sitEco

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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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

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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	18.2	19.5	18.5	19.8	20.1	19.1	20.4	19.5	20.7	21.1
	3H	18.4	19.5	18.8	19.9	20.2	19.6	20.8	20.0	21.1	21.4
	4H	18.4	19.5	18.8	19.8	20.2	19.8	20.9	20.2	21.2	21.6
	6H	18.4	19.4	18.8	19.7	20.1	19.9	20.9	20.3	21.3	21.7
	8H	18.5	19.3	18.9	19.7	20.1	20.1	20.9	20.5	21.3	21.7
	12H	18.5	19.2	18.9	19.6	20.1	20.1	20.8	20.5	21.2	21.6
4H	2H	18.4	19.4	18.8	19.8	20.1	19.2	20.3	19.6	20.6	21.0
	3H	18.6	19.5	19.1	19.9	20.3	19.9	20.7	20.3	21.1	21.6
	4H	18.7	19.5	19.1	19.9	20.3	20.2	20.9	20.6	21.4	21.8
	6H	18.7	19.4	19.2	19.8	20.3	20.4	21.0	20.8	21.5	21.9
	8H	18.7	19.3	19.2	19.8	20.3	20.4	21.0	20.9	21.5	22.0
	12H	18.8	19.3	19.3	19.7	20.2	20.5	21.0	21.0	21.5	22.0
8H	4H	18.8	19.4	19.3	19.9	20.3	20.2	20.8	20.7	21.2	21.7
	6H	18.9	19.3	19.4	19.8	20.3	20.5	21.0	21.0	21.4	21.9
	8H	18.8	19.3	19.4	19.8	20.3	20.6	21.0	21.1	21.5	22.0
	12H	18.9	19.2	19.4	19.7	20.3	20.7	21.0	21.2	21.5	22.0
12H	4H	18.8	19.3	19.3	19.8	20.3	20.2	20.7	20.7	21.1	21.6
	6H	18.9	19.3	19.4	19.8	20.3	20.5	20.9	21.0	21.4	21.9
	8H	18.9	19.2	19.4	19.7	20.3	20.6	20.9	21.1	21.4	22.0

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°	14204.8	14101.3	13399.6	13530.0	16176.1	18204.8	18814.6	
	50°	9584.2	9491.4	9012.1	9566.9	12052.2	13612.2	13964.1	
	55°	7335.8	7290.9	7294.9	7879.4	9792.8	10778.5	10909.0	
	60°	5894.2	5865.0	6303.8	7020.8	8337.2	8693.4	8685.3	
	65°	4721.3	4740.5	5417.6	6188.1	7333.6	7241.2	7177.6	
	70°	3607.5	3702.8	4379.9	5366.2	6608.7	6299.4	6148.0	
	75°	2673.9	2750.2	3249.1	4513.7	5747.9	5539.7	5278.6	
	80°	2126.6	2161.2	2453.5	3409.2	4749.2	4709.9	4328.8	
	85°	1972.9	1953.9	2112.7	2793.7	3612.3	3730.9	3167.5	

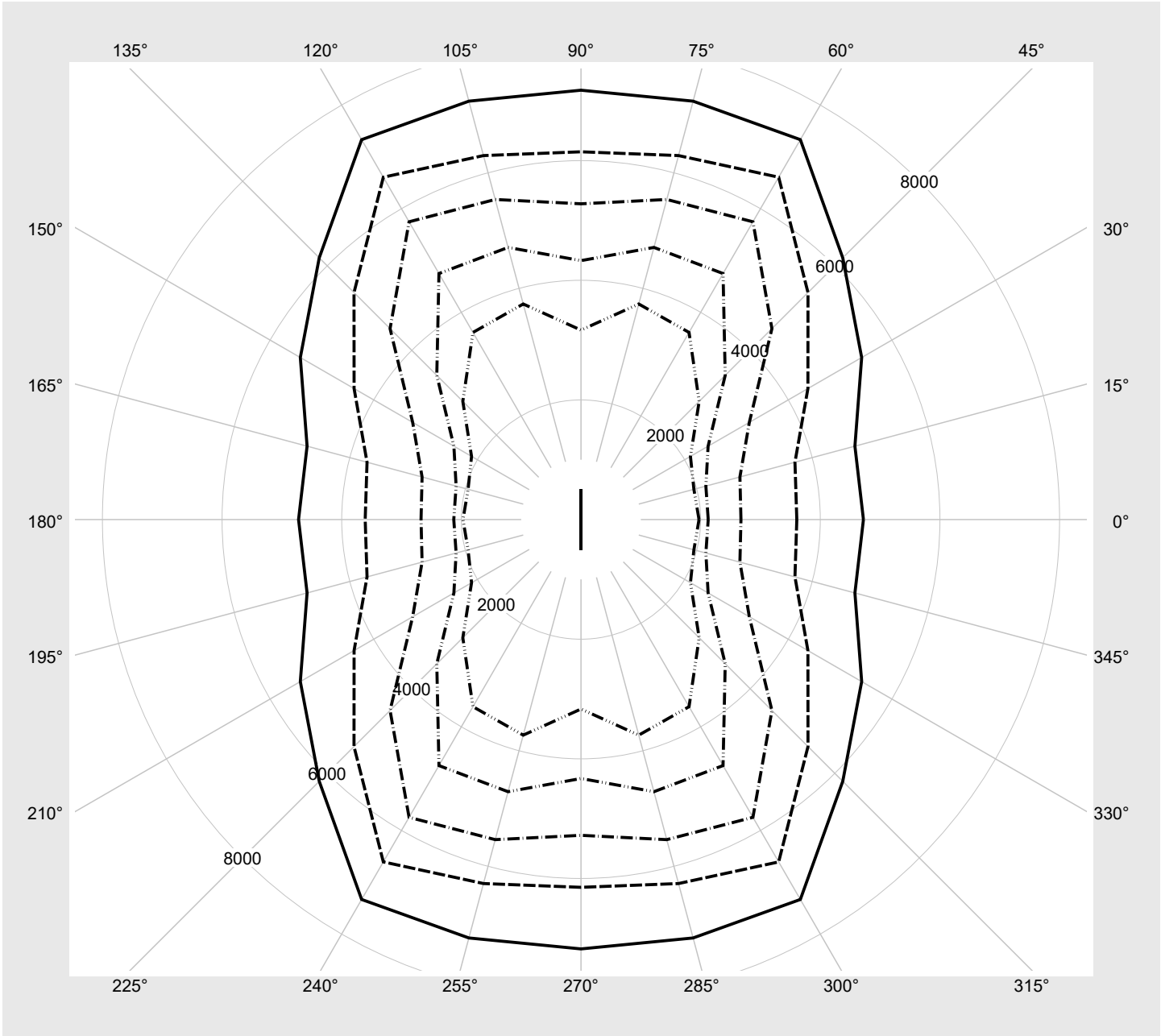
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Luminance values in cd/m²

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	8030	49.4	58.2	53.8
95	240	252	7623	46.5	55.1	50.8
90	227	250	7240	44.1	52.1	48.1
85	213	248	6828	41.4	48.9	45.2
80	200	245	6415	38.8	45.8	42.3
75	187	243	6020	36.4	42.9	39.6
70	174	240	5629	33.9	40.0	37.0
65	161	237	5227	31.5	37.0	34.2
60	148	234	4822	29.0	34.1	31.6
55	135	231	4419	26.7	31.2	29.0
50	122	227	4008	24.3	28.3	26.3
45	110	223	3627	22.0	25.7	23.8
40	97	219	3208	19.7	22.9	21.3
35	85	214	2819	17.5	20.3	18.9
30	72	208	2392	15.0	17.5	16.2
25	60	201	1999	12.9	14.8	13.8
20	48	193	1599	10.8	12.3	11.6
15	36	182	1198	8.7	9.8	9.2
10	24	168	792	6.4	7.3	6.8
5	12	142	389	4.4	4.7	4.6
2	5	110	153	3.0	3.2	3.1