

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE12VN48XG
EAN: 4058352972250

LP number
58637_269



Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI CLO
Rated values Net luminous flux = 8000 lm
Power consumption = 43.4 W
Luminous efficacy = 184.3 lm/W

serial
documentation
13.11.2025

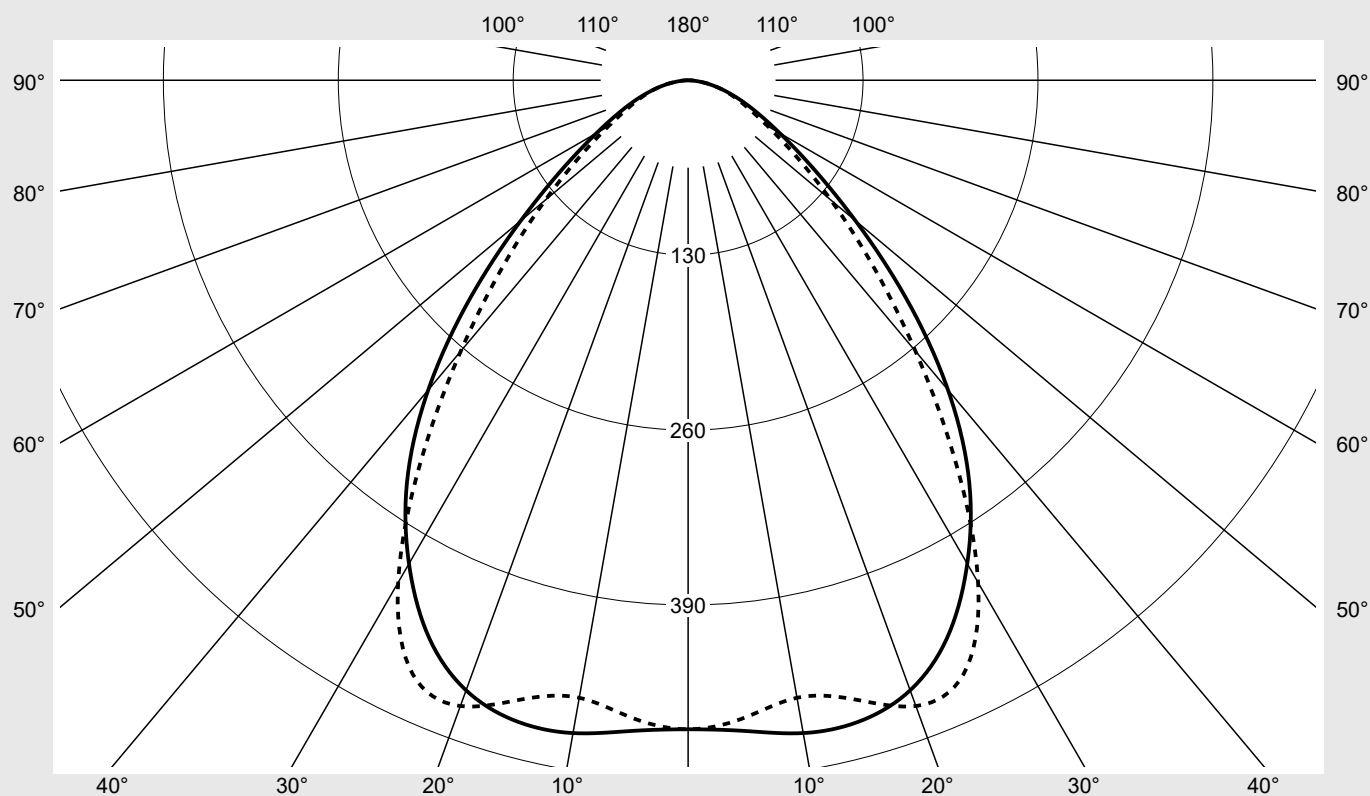
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 498 cd/klm



Classifications

DIN 5040 A 5 0
CIE N1=67 N2=92 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
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C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	482.3	482.3	482.3	482.3	482.3	482.3	482.3	2.9	2.9
5°	485.4	482.8	478.2	477.5	477.4	475.9	475.7	22.9	25.8
10°	492.7	488.2	477.9	471.3	467.6	465.9	466.0	45.2	71.0
15°	493.2	486.1	471.9	467.9	471.0	473.7	476.3	67.5	138.5
20°	482.5	473.5	462.5	471.9	487.1	492.8	494.9	89.9	228.4
25°	456.4	447.1	449.2	479.4	497.6	491.1	485.8	109.5	337.8
30°	414.9	406.8	427.0	475.1	479.0	447.1	431.1	121.4	459.2
35°	364.2	358.0	387.7	436.7	420.7	368.9	346.8	122.0	581.2
40°	300.5	296.3	322.5	357.9	336.0	284.8	262.9	110.4	691.6
45°	229.2	226.3	238.5	259.8	247.2	211.8	193.4	90.1	781.7
50°	162.3	159.3	161.6	173.6	174.5	155.2	138.5	68.2	849.9
55°	112.5	108.0	105.1	112.3	121.6	110.9	97.2	49.6	899.5
60°	78.7	73.1	68.3	73.1	83.7	77.4	68.5	35.5	935.0
65°	56.0	50.2	45.0	48.4	56.8	54.5	49.6	25.5	960.5
70°	39.5	34.5	29.5	32.1	37.8	38.5	36.6	18.1	978.6
75°	26.0	22.0	18.4	20.2	23.9	25.9	25.8	12.0	990.6
80°	14.9	12.2	9.9	10.8	13.0	14.8	15.3	6.8	997.4
85°	5.4	4.3	3.6	4.0	4.7	5.6	5.8	2.5	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

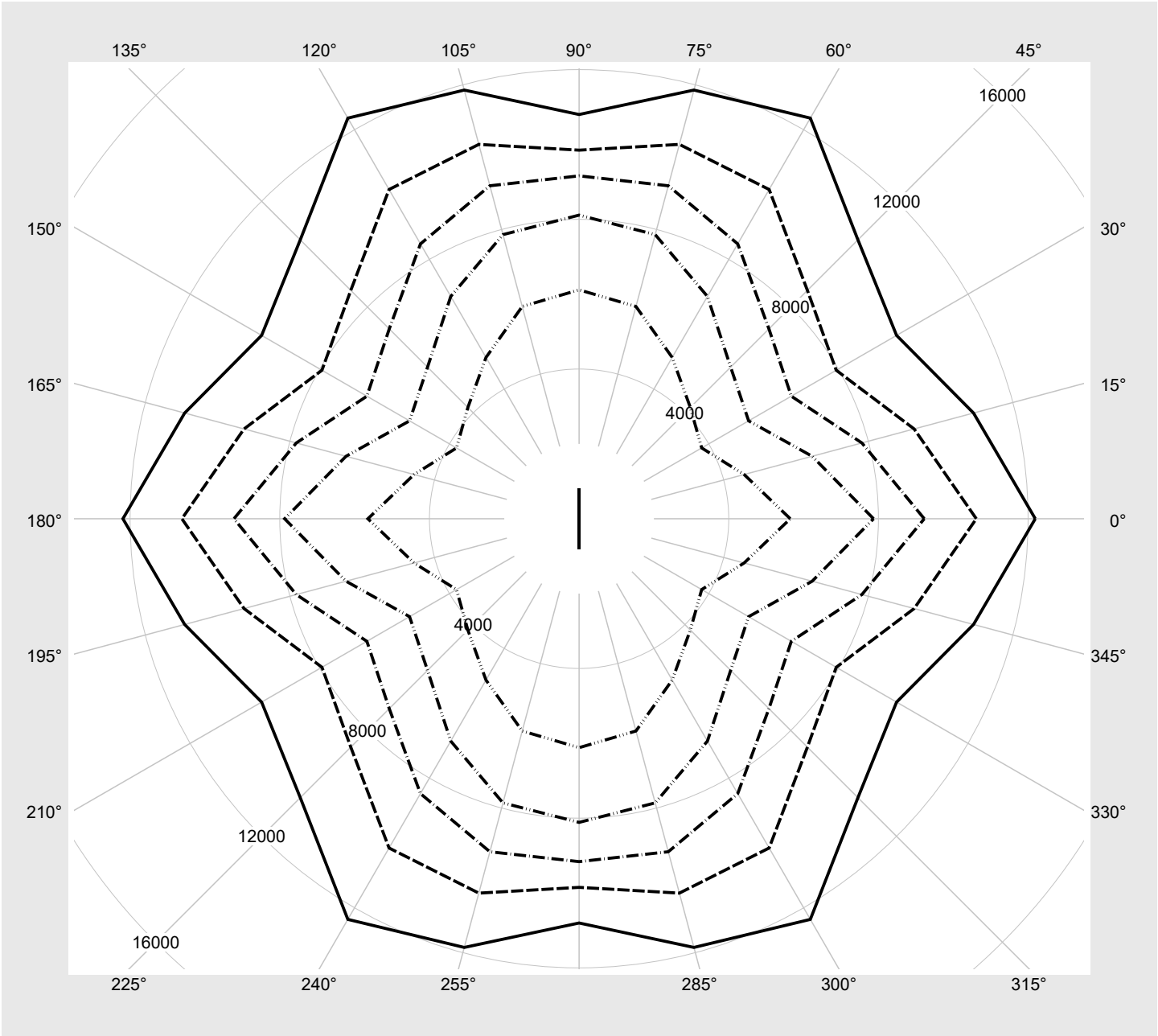
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Family Licross® 11 Recessed		Order number: 51TE12VN48XG EAN: 4058352972250							LP number 58637_269	
UGR-Table		Standard room							siteco	
Reflection factor of ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3
Reflection factor of floor		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)			
2H	x									
	y									
	2H	21.8	23.3	22.2	23.6	24.0	21.9	23.4	22.3	23.7
	3H	22.4	23.7	22.8	24.0	24.4	22.5	23.8	22.9	24.1
	4H	22.6	23.8	23.0	24.2	24.5	22.7	24.0	23.1	24.3
	6H	22.8	23.9	23.2	24.3	24.7	22.9	24.1	23.3	24.4
4H	8H	22.9	23.9	23.3	24.3	24.7	23.0	24.1	23.5	24.4
	12H	22.9	23.8	23.3	24.2	24.7	23.1	24.0	23.5	24.4
	2H	22.1	23.3	22.5	23.7	24.0	22.2	23.4	22.6	23.7
	3H	22.7	23.7	23.1	24.1	24.5	22.9	23.9	23.3	24.3
	4H	23.0	23.9	23.4	24.3	24.7	23.2	24.1	23.7	24.5
	6H	23.2	24.0	23.6	24.4	24.9	23.5	24.3	24.0	24.7
8H	8H	23.3	24.0	23.7	24.4	24.9	23.6	24.3	24.1	24.8
	12H	23.3	24.0	23.8	24.4	24.9	23.7	24.3	24.2	24.7
	4H	23.0	23.7	23.5	24.2	24.7	23.3	24.0	23.7	24.4
	6H	23.3	23.9	23.8	24.3	24.9	23.6	24.2	24.1	24.7
	8H	23.4	23.9	23.9	24.4	24.9	23.7	24.3	24.2	24.7
	12H	23.5	23.9	24.0	24.4	24.9	23.8	24.3	24.4	24.8
12H	4H	23.0	23.7	23.5	24.1	24.6	23.3	23.9	23.8	24.3
	6H	23.3	23.8	23.8	24.3	24.8	23.6	24.1	24.1	24.6
	8H	23.4	23.8	23.9	24.3	24.9	23.8	24.2	24.3	24.7
	2H	21.8	23.3	22.2	23.6	24.0	21.9	23.4	22.3	23.7
	3H	22.4	23.7	22.8	24.0	24.4	22.5	23.8	22.9	24.1
	4H	22.6	23.8	23.0	24.2	24.5	22.7	24.0	23.1	24.3

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 58	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
γ	Luminance in cd/m²						
45°	29799.7	29429.3	31016.2	33783.4	32142.0	27548.2	25144.1
50°	23218.0	22794.4	23118.0	24839.8	24967.7	22207.2	19814.3
55°	18032.8	17312.0	16850.9	18010.5	19501.3	17786.5	15579.4
60°	14475.4	13451.2	12565.3	13449.7	15384.8	14228.2	12588.5
65°	12192.0	10913.7	9797.5	10538.8	12360.4	11858.0	10800.8
70°	10616.0	9270.7	7935.8	8629.5	10158.2	10355.5	9848.7
75°	9224.9	7824.8	6548.9	7174.9	8479.9	9211.1	9161.3
80°	7870.1	6448.8	5231.9	5728.6	6859.7	7859.5	8112.6
85°	5644.5	4566.3	3783.4	4204.4	4976.7	5871.4	6116.1

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Luminance values in cd/m²		siteco



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Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	8000	43.4	45.6	44.5
95	241	252	7614	41.1	43.3	42.2
90	227	250	7200	38.7	40.7	39.7
85	214	248	6812	36.5	38.4	37.4
80	200	245	6391	34.2	35.9	35.0
75	187	243	5993	31.9	33.6	32.8
70	174	240	5596	29.8	31.3	30.6
65	161	237	5195	27.7	29.0	28.4
60	148	234	4793	25.5	26.8	26.2
55	135	231	4385	23.4	24.6	24.0
50	123	227	4007	21.4	22.5	22.0
45	110	223	3596	19.3	20.3	19.8
40	98	219	3214	17.5	18.3	17.9
35	85	214	2797	15.4	16.1	15.8
30	73	208	2407	13.4	14.1	13.8
25	60	201	1984	11.3	11.9	11.6
20	48	193	1591	9.4	9.8	9.6
15	36	182	1196	7.6	7.9	7.8
10	24	168	795	5.6	5.8	5.7
5	12	142	394	3.8	3.9	3.8
2	5	110	159	2.7	2.8	2.8