

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE18VN445G
EAN: 4058352971239

LP number
58691_214



Version cover frosted, medium distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI CLO
Rated values Net luminous flux = 4500 lm
 Power consumption = 24.6 W
 Luminous efficacy = 182.9 lm/W

serial
documentation
13.11.2025

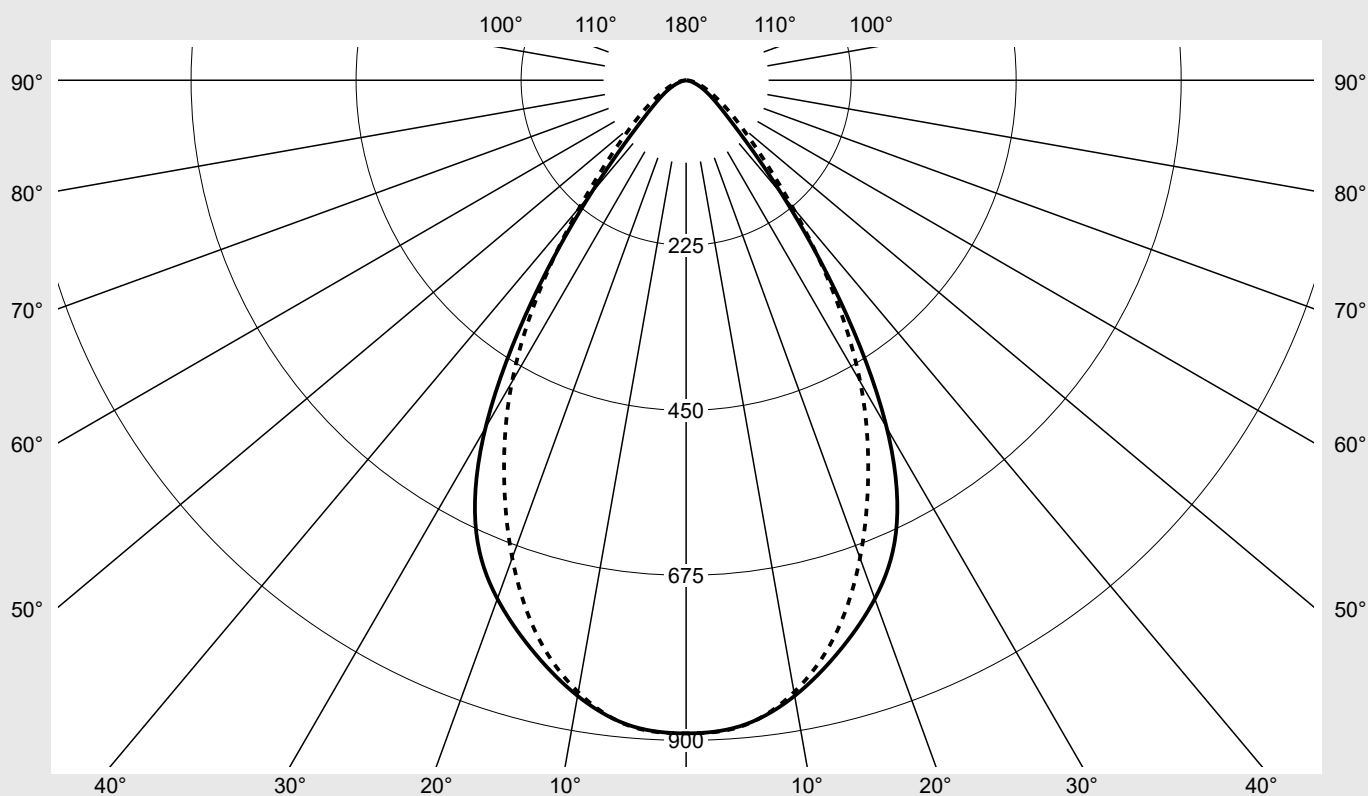
siteco

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	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°	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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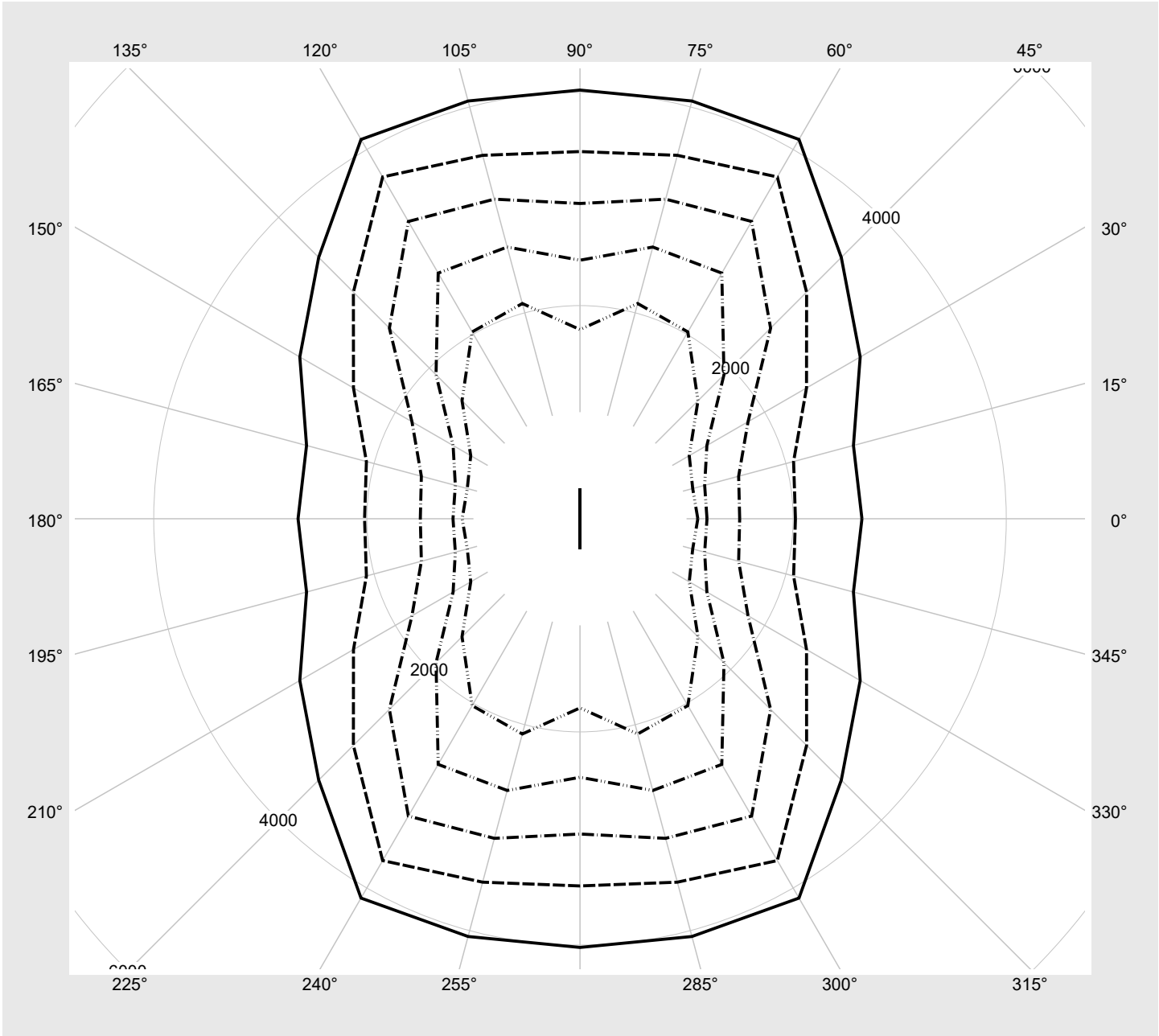
Family Licross® 11 Recessed	Order number: 51TE18VN445G EAN: 4058352971239	LP number 58691_214
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UGR-Table		Standard room							siTeco		
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	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	16.2	17.5	16.5	17.8	18.1	17.1	18.4	17.5	18.7	19.0
	3H	16.4	17.5	16.7	17.9	18.2	17.6	18.7	18.0	19.1	19.4
	4H	16.4	17.5	16.8	17.8	18.2	17.8	18.8	18.2	19.2	19.6
	6H	16.4	17.4	16.8	17.7	18.1	17.9	18.9	18.3	19.2	19.6
	8H	16.5	17.3	16.9	17.7	18.1	18.0	18.9	18.5	19.2	19.7
	12H	16.5	17.2	16.9	17.6	18.0	18.0	18.8	18.5	19.2	19.6
4H	2H	16.3	17.4	16.7	17.8	18.1	17.2	18.3	17.6	18.6	19.0
	3H	16.6	17.5	17.1	17.9	18.3	17.9	18.7	18.3	19.1	19.5
	4H	16.7	17.5	17.1	17.9	18.3	18.1	18.9	18.6	19.3	19.8
	6H	16.7	17.4	17.2	17.8	18.3	18.4	19.0	18.8	19.5	19.9
	8H	16.7	17.3	17.2	17.8	18.2	18.4	19.0	18.9	19.5	20.0
	12H	16.7	17.2	17.2	17.7	18.2	18.5	19.0	19.0	19.4	19.9
8H	4H	16.8	17.4	17.3	17.8	18.3	18.2	18.8	18.6	19.2	19.7
	6H	16.8	17.3	17.3	17.8	18.3	18.5	18.9	19.0	19.4	19.9
	8H	16.8	17.3	17.3	17.8	18.3	18.6	19.0	19.1	19.5	20.0
	12H	16.9	17.2	17.4	17.7	18.3	18.6	19.0	19.2	19.5	20.0
12H	4H	16.8	17.3	17.3	17.8	18.3	18.2	18.7	18.7	19.1	19.6
	6H	16.9	17.3	17.4	17.8	18.3	18.5	18.9	19.0	19.3	19.9
	8H	16.9	17.2	17.4	17.7	18.3	18.6	18.9	19.1	19.4	20.0

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°	7960.4	7902.4	7509.1	7582.2	9065.1	10201.9	10543.7
50°	5370.9	5319.0	5050.4	5361.3	6754.0	7628.3	7825.5
55°	4111.0	4085.8	4088.1	4415.6	5487.9	6040.2	6113.4
60°	3303.1	3286.8	3532.7	3934.4	4672.1	4871.8	4867.2
65°	2645.8	2656.6	3036.0	3467.8	4109.7	4058.0	4022.3
70°	2021.7	2075.0	2454.5	3007.2	3703.5	3530.2	3445.4
75°	1498.5	1541.2	1820.8	2529.5	3221.1	3104.4	2958.1
80°	1191.8	1211.1	1375.0	1910.5	2661.4	2639.4	2425.8
85°	1105.6	1094.9	1184.0	1565.6	2024.3	2090.8	1775.1

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



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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	4500	24.6	25.7	25.2
95	241	252	4276	23.4	24.6	24.0
90	228	250	4052	22.2	23.4	22.8
85	215	248	3829	21.0	22.1	21.6
80	202	246	3605	19.9	20.8	20.4
75	189	243	3379	18.7	19.6	19.2
70	176	241	3153	17.5	18.4	18.0
65	163	238	2925	16.3	17.1	16.7
60	150	235	2697	15.0	15.8	15.4
55	138	232	2482	13.9	14.5	14.2
50	125	228	2253	12.6	13.3	13.0
45	112	224	2022	11.3	11.9	11.6
40	100	220	1808	10.2	10.7	10.4
35	87	215	1575	9.1	9.5	9.3
30	74	209	1342	7.9	8.3	8.1
25	62	202	1125	6.8	7.1	7.0
20	50	194	908	5.7	5.9	5.8
15	37	183	669	4.3	4.5	4.4
12	31	177	560	3.7	3.9	3.8