

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL12DV4FXG3S
EAN: 4058352935149

LP number
58637_209



Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Setting AC-mode
Rated values Net luminous flux = 15360 lm
Power consumption = 87.9 W
Luminous efficacy = 174.7 lm/W

serial
documentation
12.10.2023

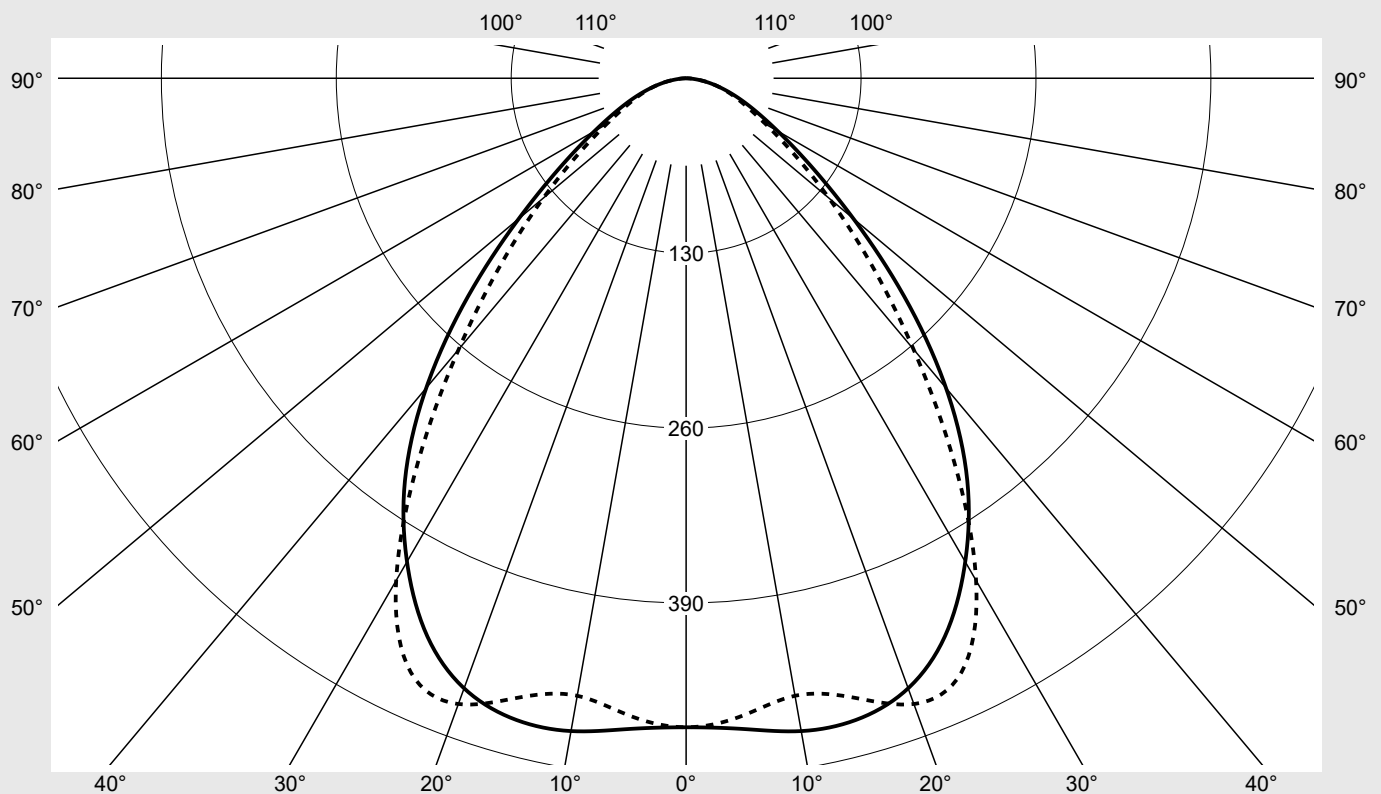
siteco

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: 51TL12DV4FXG3S EAN: 4058352935149							LP number 58637_209	
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)			
x	y									
2H	2H	22.7	24.2	23.1	24.5	24.8	22.8	24.3	23.2	24.6
	3H	23.2	24.6	23.6	24.9	25.2	23.4	24.7	23.7	25.0
	4H	23.5	24.7	23.8	25.0	25.4	23.6	24.8	24.0	25.2
	6H	23.6	24.7	24.0	25.1	25.5	23.8	24.9	24.2	25.3
	8H	23.7	24.7	24.1	25.1	25.5	23.9	24.9	24.3	25.3
	12H	23.7	24.7	24.2	25.1	25.5	23.9	24.9	24.4	25.3
4H	2H	22.9	24.2	23.3	24.5	24.9	23.0	24.3	23.4	24.6
	3H	23.5	24.6	24.0	25.0	25.4	23.7	24.8	24.2	25.1
	4H	23.8	24.7	24.3	25.1	25.6	24.1	25.0	24.5	25.4
	6H	24.0	24.8	24.5	25.3	25.7	24.3	25.1	24.8	25.6
	8H	24.1	24.8	24.6	25.3	25.8	24.4	25.2	24.9	25.6
	12H	24.2	24.8	24.7	25.3	25.8	24.5	25.1	25.0	25.6
8H	4H	23.9	24.6	24.4	25.0	25.5	24.1	24.8	24.6	25.3
	6H	24.1	24.7	24.6	25.2	25.7	24.5	25.0	25.0	25.5
	8H	24.2	24.8	24.7	25.2	25.8	24.6	25.1	25.1	25.6
	12H	24.3	24.7	24.8	25.2	25.8	24.7	25.1	25.2	25.6
12H	4H	23.9	24.5	24.4	25.0	25.5	24.1	24.7	24.6	25.2
	6H	24.2	24.7	24.7	25.1	25.7	24.5	25.0	25.0	25.5
	8H	24.3	24.7	24.8	25.2	25.7	24.6	25.0	25.1	25.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 2250 B = 58	
C-planes	γ	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°
			Luminance in cd/m²				
45° 50° 55° 60°	γ		38143.6	37669.5	39700.7	43242.7	41141.7
			29719.0	29176.8	29591.0	31794.9	31958.6
			23081.9	22159.3	21569.2	23053.4	24961.6
			18528.5	17217.6	16083.6	17215.7	19692.6
65° 70° 75° 80° 85°	γ		15605.7	13969.5	12540.8	13489.7	15821.3
			13588.5	11866.5	10157.8	11045.7	13002.5
			11807.9	10015.7	8382.6	9183.9	10854.3
			10073.7	8254.4	6696.8	7332.6	8780.4
85°	γ		7225.0	5844.8	4842.8	5381.6	6370.2

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Luminance values in cd/m²

γ 65°

γ 70°

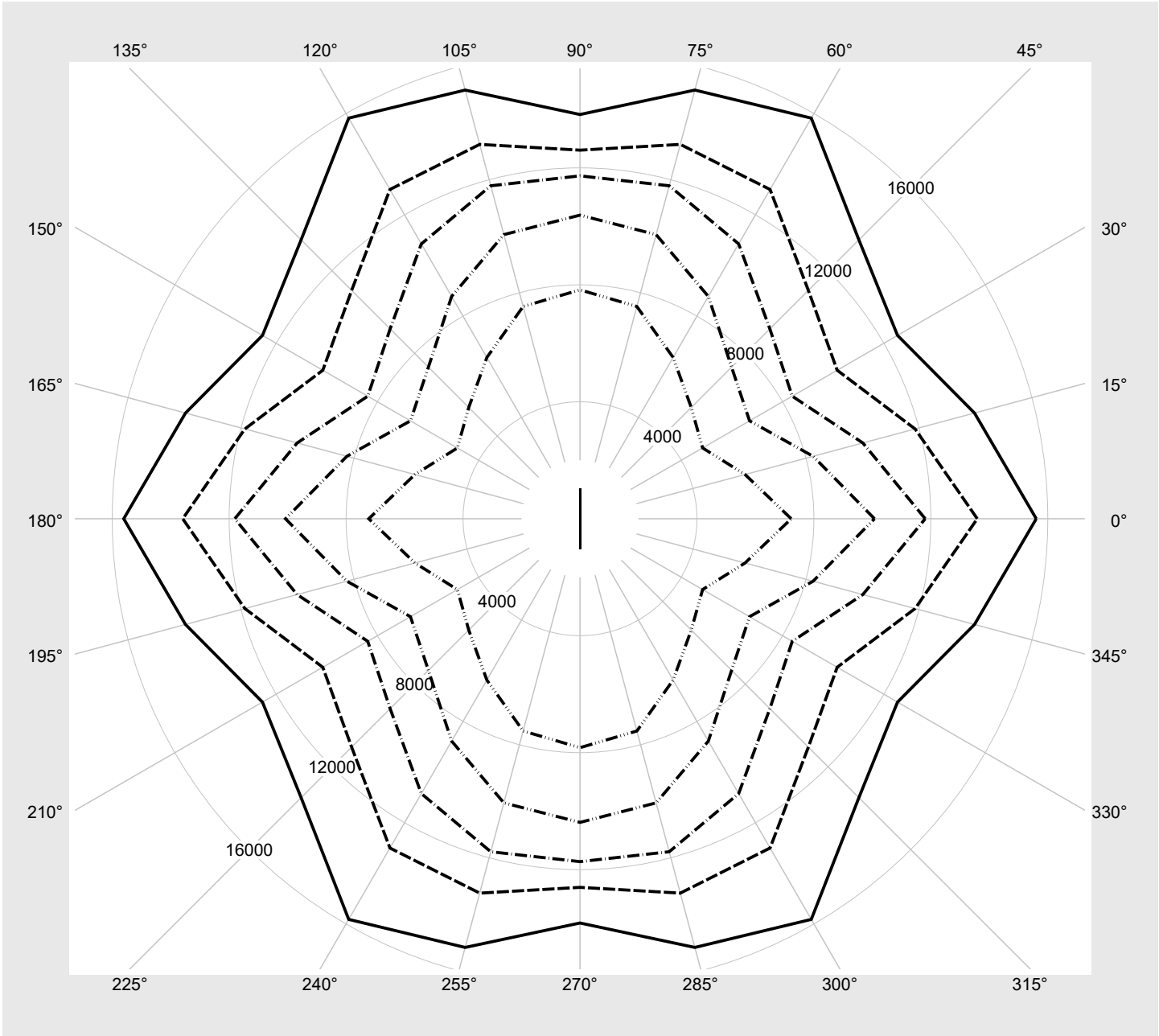
γ 75°

γ 80°

γ 85°

sit

eco



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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]
100	254	254	15360	87.9
95	240	252	14585	83.2
90	226	250	13797	78.5
85	213	248	13061	74.2
80	199	245	12264	69.5
75	186	243	11512	65.2
70	173	240	10758	60.8
65	160	237	9996	56.5
60	147	234	9226	52.3
55	134	231	8444	48.0
50	121	227	7659	43.8
45	109	223	6928	40.0
40	96	218	6125	35.9
35	84	213	5383	32.0
30	72	208	4632	28.3
25	59	201	3809	24.2
20	47	192	3046	20.2
15	35	181	2276	16.1
10	24	168	1563	12.3
5	12	142	776	8.0
2	4	102	250	5.1