

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL12DN4EXM3C
EAN: 4058352935064

LP number
58689_122



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 = 14030 lm
 Power consumption = 80.6 W
 Luminous efficacy = 174.1 lm/W

serial
documentation
29.09.2023

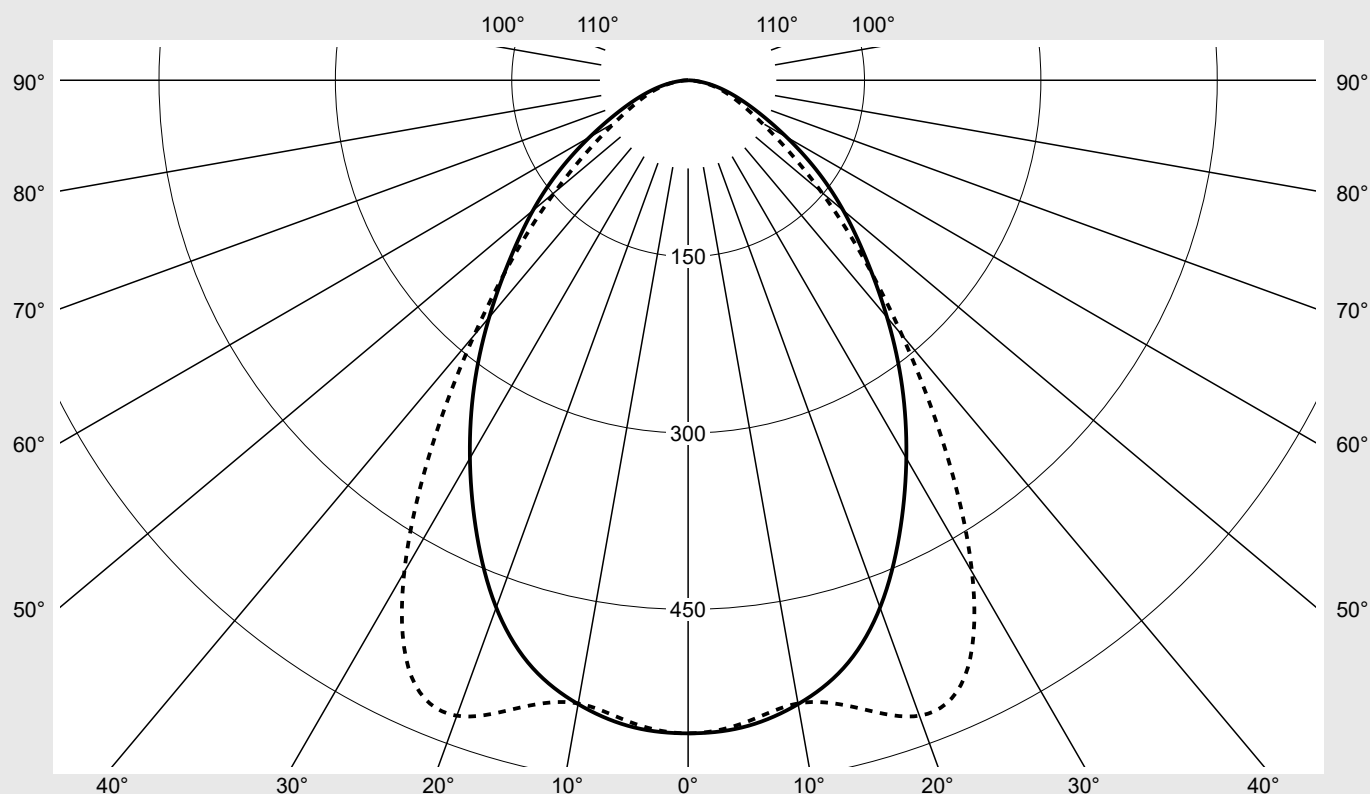
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 575 cd/klm



Classifications

DIN 5040 A 5 0
 CIE N1=66 N2=91 N3=98
 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°	555.4	555.4	555.4	555.4	555.4	555.4	555.4	3.3	3.3
5°	551.9	549.3	545.0	546.0	548.1	548.0	548.5	26.2	29.5
10°	538.7	535.0	528.7	529.1	532.7	535.9	538.2	50.8	80.3
15°	515.9	510.9	504.6	513.1	530.5	544.7	552.3	74.2	154.5
20°	477.2	471.4	470.1	497.6	537.0	563.7	575.1	95.8	250.2
25°	425.5	419.5	426.9	469.4	521.2	548.6	558.0	111.1	361.3
30°	371.2	364.3	378.4	421.3	459.9	477.2	482.9	115.5	476.8
35°	317.2	309.8	328.6	357.7	367.8	374.7	379.7	109.4	586.2
40°	263.2	255.5	280.4	291.4	277.2	277.7	283.1	97.2	683.4
45°	213.7	204.0	230.1	230.5	202.8	200.2	207.0	82.5	765.9
50°	172.3	160.2	177.2	176.6	149.6	143.3	148.0	67.7	833.6
55°	133.3	121.6	126.4	129.1	111.8	101.0	103.0	53.0	886.6
60°	96.7	87.9	85.2	90.2	83.1	71.0	72.1	39.7	926.3
65°	67.7	61.0	56.3	61.1	60.5	50.8	52.1	29.0	955.3
70°	46.9	41.7	36.5	40.2	42.1	36.4	38.1	20.6	975.8
75°	30.9	26.7	22.6	25.0	27.1	24.7	26.6	13.7	989.5
80°	17.8	14.8	12.0	13.1	14.7	14.1	15.6	7.7	997.1
85°	6.6	5.4	4.4	4.8	5.3	5.4	5.9	2.9	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	
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	24.1	25.6	24.4	25.9	26.2	23.5	25.0	23.9	25.3	25.6
	3H	24.8	26.1	25.2	26.4	26.8	24.1	25.4	24.5	25.8	26.1
	4H	25.1	26.3	25.5	26.7	27.0	24.4	25.6	24.8	26.0	26.3
	6H	25.3	26.4	25.7	26.8	27.2	24.6	25.7	25.0	26.1	26.5
	8H	25.4	26.4	25.9	26.8	27.2	24.7	25.7	25.1	26.1	26.5
	12H	25.5	26.4	25.9	26.8	27.2	24.7	25.7	25.2	26.1	26.5
4H	2H	24.4	25.6	24.8	26.0	26.3	24.0	25.2	24.4	25.5	25.9
	3H	25.2	26.2	25.6	26.6	27.0	24.7	25.8	25.2	26.1	26.6
	4H	25.6	26.5	26.0	26.9	27.3	25.1	26.0	25.5	26.4	26.8
	6H	25.8	26.6	26.3	27.1	27.5	25.4	26.1	25.8	26.6	27.0
	8H	25.9	26.7	26.4	27.1	27.6	25.5	26.2	25.9	26.6	27.1
	12H	26.0	26.6	26.5	27.1	27.6	25.5	26.1	26.0	26.6	27.1
8H	4H	25.7	26.4	26.1	26.8	27.3	25.2	25.9	25.7	26.4	26.8
	6H	26.0	26.6	26.5	27.0	27.5	25.6	26.1	26.1	26.6	27.1
	8H	26.1	26.6	26.6	27.1	27.6	25.7	26.2	26.2	26.7	27.2
	12H	26.2	26.6	26.7	27.1	27.7	25.8	26.2	26.3	26.7	27.3
12H	4H	25.7	26.3	26.2	26.7	27.2	25.2	25.8	25.7	26.3	26.8
	6H	26.0	26.5	26.5	27.0	27.5	25.6	26.1	26.1	26.6	27.1
	8H	26.1	26.6	26.6	27.1	27.6	25.7	26.2	26.2	26.7	27.2

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°	48738.0	46522.0	52468.0	52559.9	46254.4	45652.4	47216.2
50°	43219.6	40202.0	44461.5	44314.2	37534.1	35951.8	37129.4
55°	37485.7	34176.5	35526.9	36289.9	31425.9	28405.2	28959.6
60°	31179.8	28342.9	27488.8	29085.3	26812.5	22902.4	23241.7
65°	25826.8	23287.3	21493.5	23301.0	23095.4	19400.1	19866.0
70°	22106.5	19682.5	17215.1	18964.9	19855.1	17173.6	17967.2
75°	19274.3	16616.9	14062.9	15547.7	16870.5	15369.5	16559.5
80°	16502.7	13710.2	11121.9	12211.3	13610.8	13130.7	14493.1
85°	12199.0	9993.5	8128.4	8827.8	9764.0	9932.4	10868.7

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Luminance values in cd/m²

γ 65°

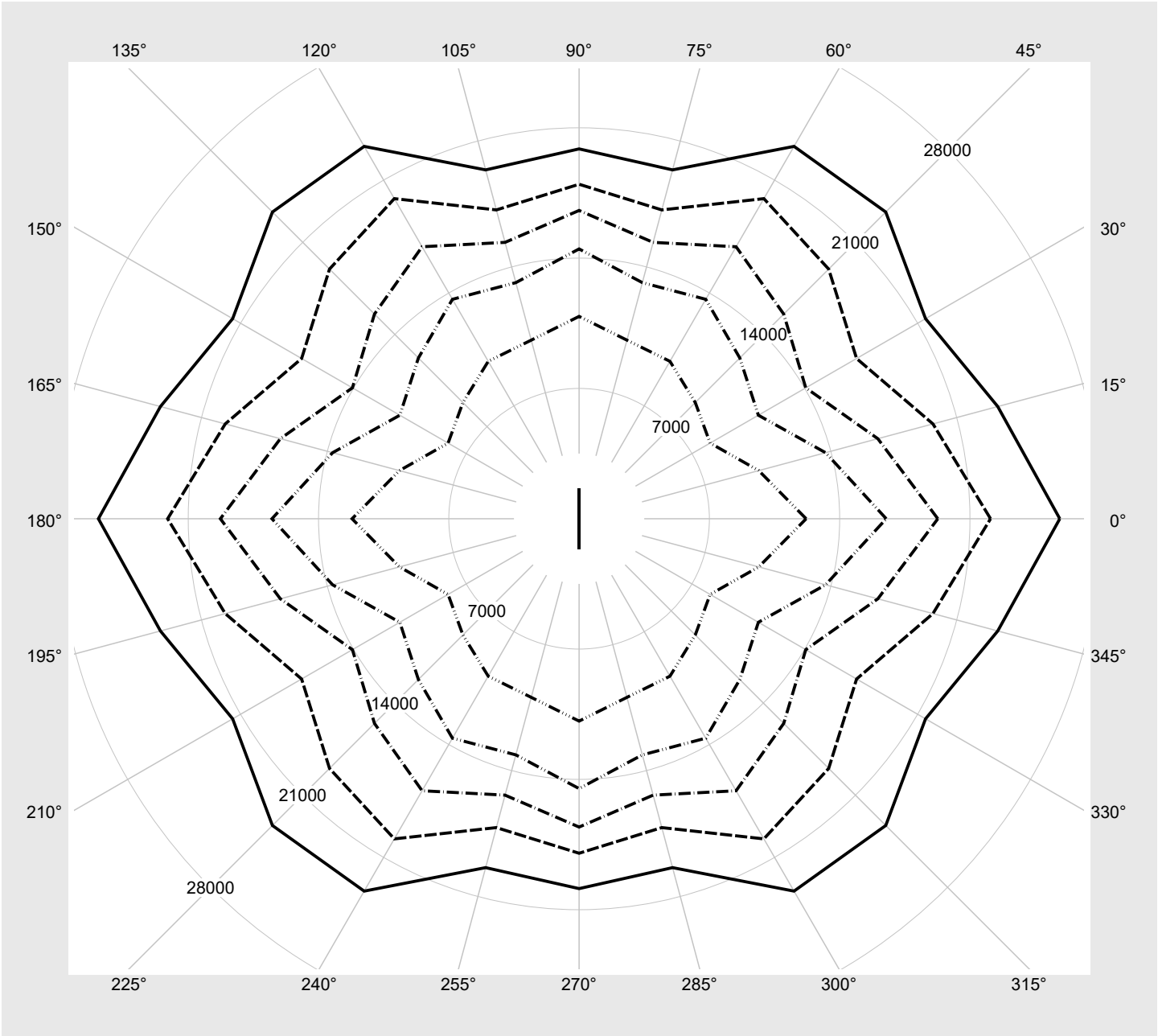
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table		environmental temperature: 25°C

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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	14030	80.6
95	240	252	13312	76.4
90	227	250	12640	72.4
85	213	248	11908	68.1
80	200	245	11224	64.1
75	187	243	10535	60.3
70	174	240	9842	56.4
65	161	237	9144	52.5
60	148	234	8437	48.6
55	135	231	7728	44.8
50	122	227	7010	41.1
45	109	223	6288	37.3
40	97	219	5614	33.8
35	85	214	4935	30.4
30	72	208	4193	26.7
25	60	201	3505	23.3
20	48	193	2809	19.9
15	36	182	2111	16.4
10	24	168	1407	13.0
5	12	142	696	9.7
2	4	102	219	7.4