

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL12DV4B5M
EAN: 4058352948293

LP number
58689_98



Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 11630 lm
Power consumption = 59.3 W
Luminous efficacy = 196.1 lm/W

serial
documentation
19.09.2023

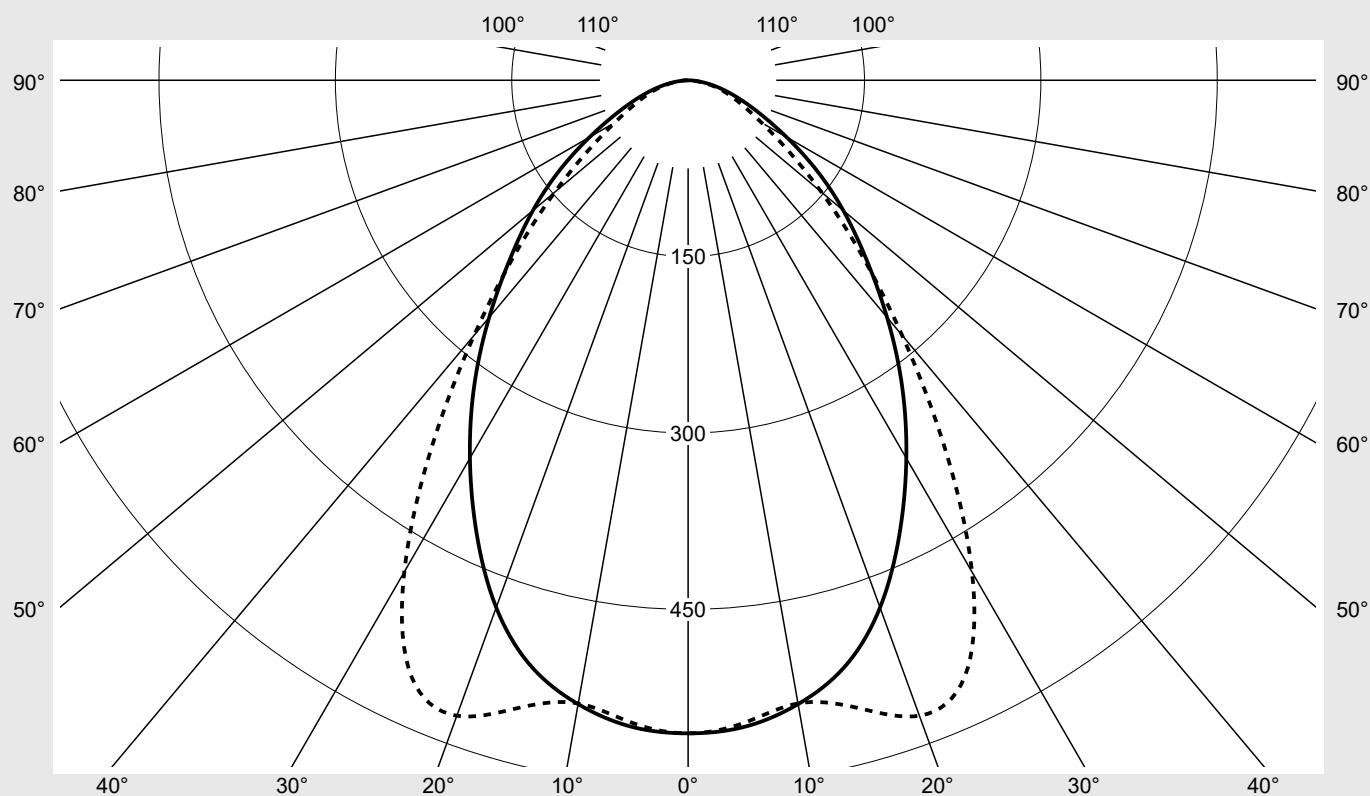
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Luminous intensity in cd/klm

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	22.0	23.5	22.4	23.8	24.1	21.5	23.0	21.8	23.3	23.6
	3H	22.7	24.1	23.1	24.4	24.7	22.0	23.4	22.4	23.7	24.1
	4H	23.0	24.3	23.4	24.6	25.0	22.3	23.5	22.7	23.9	24.3
	6H	23.2	24.4	23.6	24.7	25.1	22.5	23.7	22.9	24.0	24.4
	8H	23.4	24.4	23.8	24.8	25.2	22.7	23.7	23.1	24.1	24.5
	12H	23.4	24.4	23.8	24.8	25.2	22.7	23.6	23.1	24.0	24.4
4H	2H	22.3	23.6	22.7	23.9	24.3	21.9	23.1	22.3	23.5	23.9
	3H	23.1	24.2	23.6	24.6	25.0	22.7	23.7	23.1	24.1	24.5
	4H	23.5	24.4	23.9	24.8	25.3	23.0	23.9	23.5	24.3	24.8
	6H	23.8	24.6	24.2	25.0	25.5	23.3	24.1	23.8	24.5	25.0
	8H	23.9	24.6	24.4	25.0	25.5	23.4	24.1	23.9	24.6	25.0
	12H	24.0	24.6	24.5	25.0	25.5	23.5	24.1	24.0	24.5	25.0
8H	4H	23.6	24.3	24.1	24.8	25.2	23.1	23.9	23.6	24.3	24.8
	6H	23.9	24.5	24.4	25.0	25.5	23.5	24.1	24.0	24.6	25.1
	8H	24.0	24.6	24.5	25.0	25.6	23.6	24.1	24.1	24.6	25.2
	12H	24.1	24.6	24.6	25.1	25.6	23.7	24.1	24.2	24.7	25.2
12H	4H	23.6	24.2	24.1	24.7	25.2	23.2	23.8	23.6	24.2	24.7
	6H	23.9	24.4	24.4	24.9	25.4	23.5	24.0	24.0	24.5	25.0
	8H	24.1	24.5	24.6	25.0	25.5	23.7	24.1	24.2	24.6	25.1

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 2250 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°	26933.9	25709.2	28995.1	29045.9	25561.4	25228.7	26092.9
50°	23884.2	22216.6	24570.5	24489.1	20742.3	19867.9	20518.6
55°	20715.5	18886.8	19633.0	20054.7	17366.8	15697.4	16003.8
60°	17230.8	15663.0	15191.0	16073.3	14817.2	12656.5	12844.0
65°	14272.5	12869.2	11877.8	12876.7	12763.1	10721.0	10978.5
70°	12216.6	10877.1	9513.5	10480.5	10972.4	9490.6	9929.1
75°	10651.5	9182.9	7771.5	8592.0	9323.0	8493.6	9151.2
80°	9119.8	7576.6	6146.3	6748.3	7521.7	7256.3	8009.2
85°	6741.5	5522.6	4491.9	4878.5	5395.9	5488.9	6006.3

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Luminance values in cd/m²

γ 65°

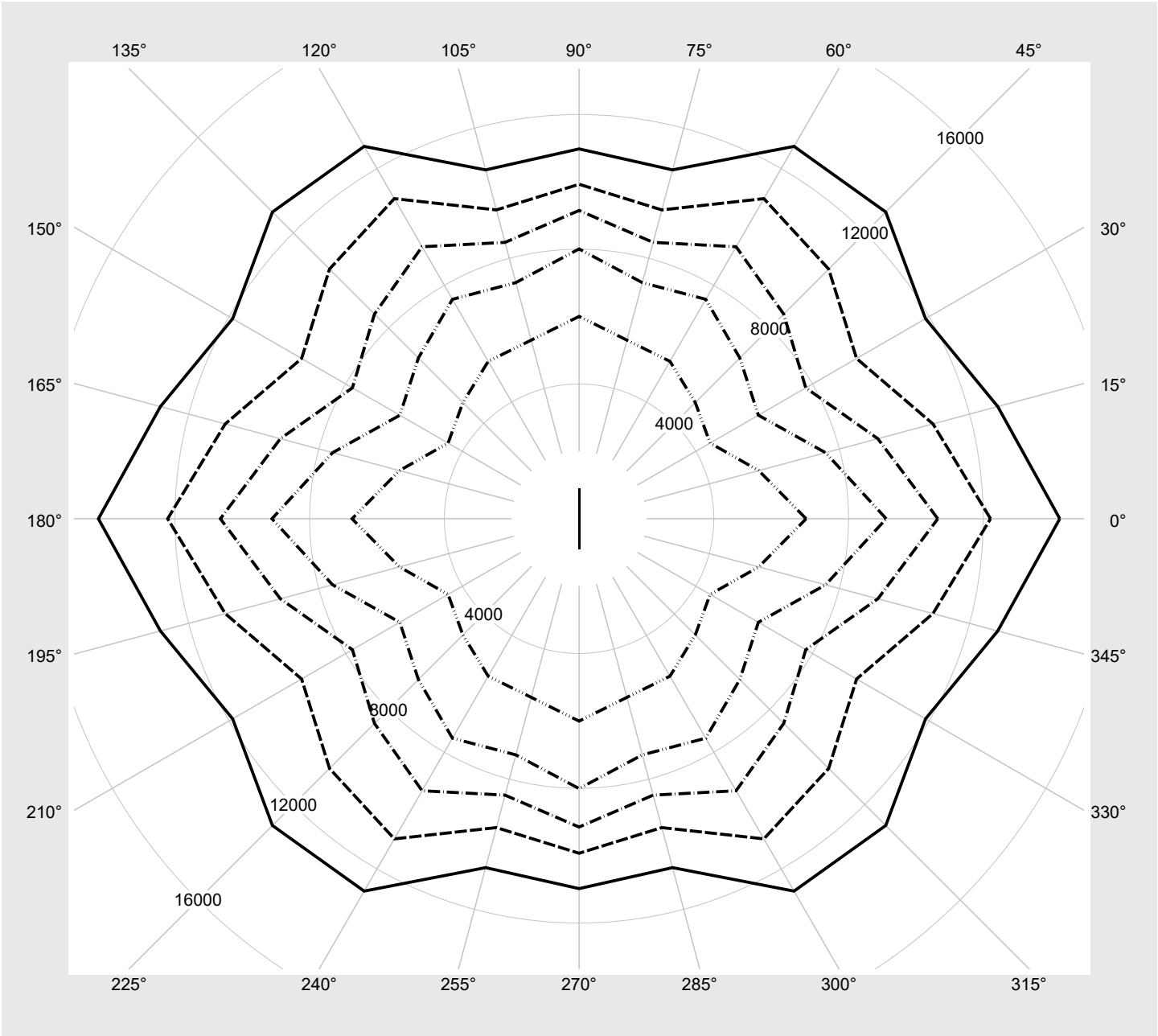
γ 70°

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	11630	59.3
95	241	252	11058	56.5
90	228	250	10481	53.7
85	215	248	9906	50.8
80	202	246	9325	47.9
75	189	243	8741	44.9
70	176	241	8154	42.0
65	163	238	7568	39.1
60	150	235	6976	36.1
55	137	231	6382	33.1
50	125	228	5830	30.3
45	112	224	5234	27.3
40	99	219	4633	24.2
35	87	215	4074	21.4
30	74	209	3468	18.5
25	62	202	2908	16.1
20	50	194	2345	13.8
15	37	183	1731	10.9
10	25	169	1164	7.3
5	13	145	594	2.9