

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TL12DN455M
EAN: 4058352926901

LP number
58689_100



Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 5960 lm
Power consumption = 30.6 W
Luminous efficacy = 194.8 lm/W

serial
documentation
19.09.2023

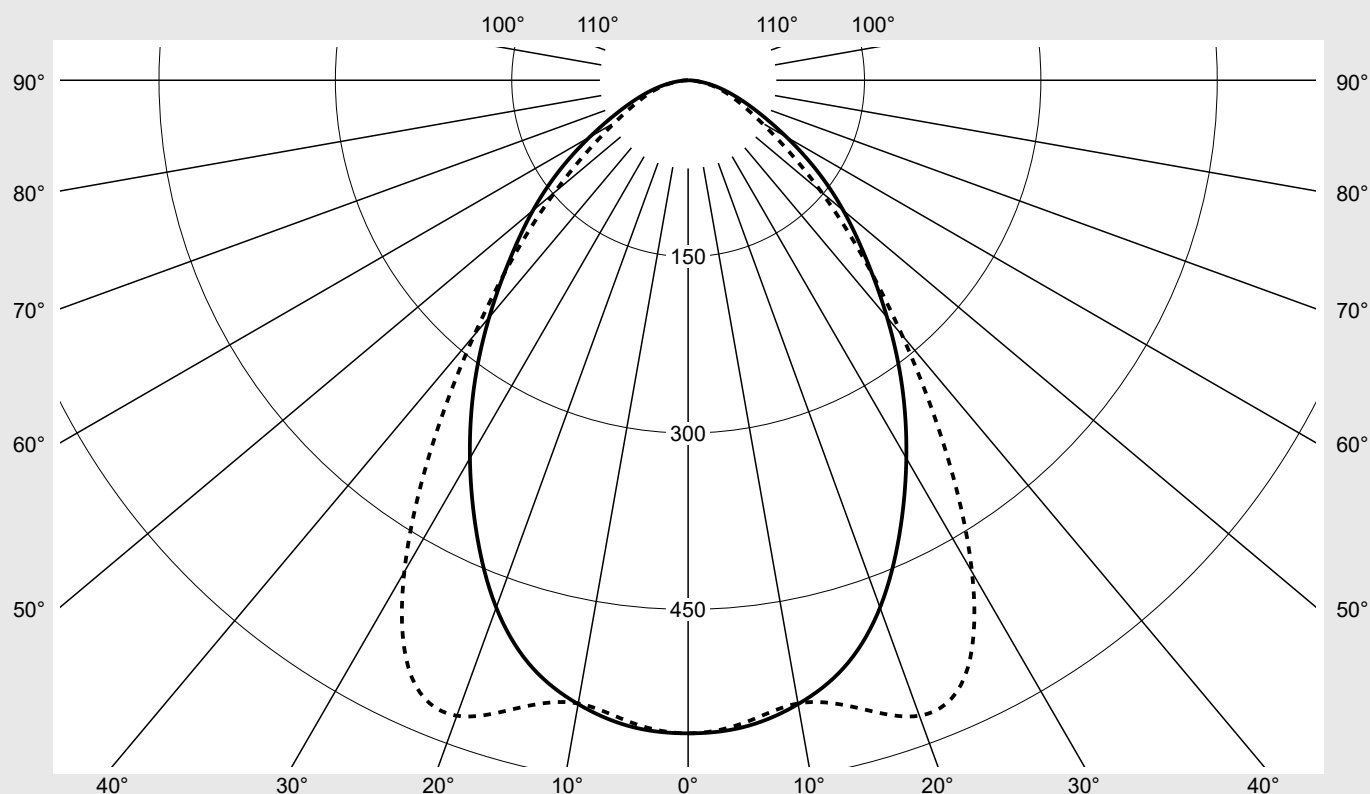
siteco

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
		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°	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	21.1	22.6	21.4	22.9	23.2	20.5	22.0	20.9	22.3	22.7
	3H	21.8	23.1	22.2	23.5	23.8	21.1	22.5	21.5	22.8	23.1
	4H	22.1	23.3	22.5	23.7	24.1	21.4	22.6	21.8	23.0	23.4
	6H	22.3	23.5	22.7	23.8	24.2	21.6	22.7	22.0	23.1	23.5
	8H	22.5	23.5	22.9	23.9	24.3	21.7	22.8	22.2	23.1	23.5
	12H	22.5	23.4	22.9	23.8	24.3	21.8	22.7	22.2	23.1	23.5
4H	2H	21.4	22.6	21.8	23.0	23.4	21.0	22.2	21.4	22.6	22.9
	3H	22.2	23.3	22.7	23.6	24.1	21.8	22.8	22.2	23.2	23.6
	4H	22.6	23.5	23.0	23.9	24.3	22.1	23.0	22.5	23.4	23.9
	6H	22.9	23.7	23.3	24.1	24.6	22.4	23.2	22.8	23.6	24.1
	8H	23.0	23.7	23.4	24.1	24.6	22.5	23.2	23.0	23.6	24.1
	12H	23.1	23.7	23.5	24.1	24.6	22.6	23.2	23.0	23.6	24.1
8H	4H	22.7	23.4	23.1	23.8	24.3	22.2	22.9	22.7	23.4	23.9
	6H	23.0	23.6	23.5	24.1	24.6	22.6	23.2	23.1	23.6	24.2
	8H	23.1	23.6	23.6	24.1	24.6	22.7	23.2	23.2	23.7	24.2
	12H	23.2	23.6	23.7	24.1	24.7	22.8	23.2	23.3	23.7	24.3
12H	4H	22.7	23.3	23.2	23.8	24.3	22.2	22.9	22.7	23.3	23.8
	6H	23.0	23.5	23.5	24.0	24.5	22.6	23.1	23.1	23.6	24.1
	8H	23.2	23.6	23.7	24.1	24.6	22.7	23.2	23.3	23.7	24.2

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°	20704.1	19762.7	22288.6	22327.7	19649.1	19393.3	20057.6
50°	18359.9	17078.0	18887.4	18824.8	15944.6	15272.5	15772.7
55°	15924.1	14518.3	15091.9	15416.1	13349.9	12066.6	12302.2
60°	13245.3	12040.2	11677.4	12355.6	11390.0	9729.0	9873.2
65°	10971.3	9892.5	9130.5	9898.4	9811.0	8241.2	8439.2
70°	9390.9	8361.2	7313.1	8056.4	8434.5	7295.4	7632.5
75°	8187.8	7058.9	5974.0	6604.7	7166.6	6529.0	7034.6
80°	7010.4	5824.1	4724.6	5187.4	5781.9	5578.0	6156.7
85°	5182.2	4245.3	3453.0	3750.1	4147.8	4219.3	4617.1

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Luminance values in cd/m²

γ 65°

γ 70°

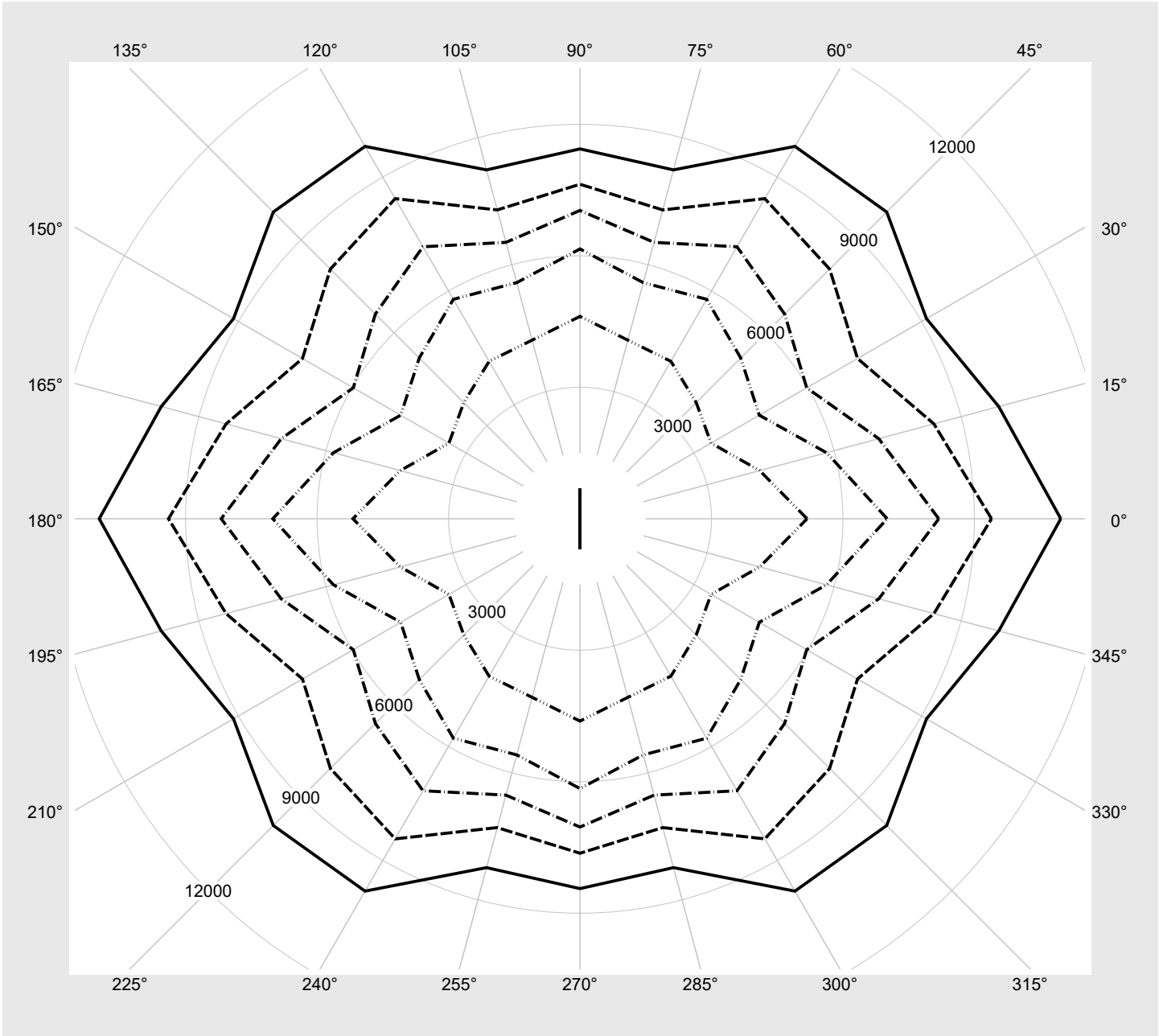
γ 75°

γ 80°

γ 85°

sit

eco



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Family Licross® 11 Recessed	Order number: 51TL12DN455M EAN: 4058352926901	LP number 58689_100
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	5960	30.6
95	241	252	5664	29.2
90	228	250	5365	27.8
85	215	248	5068	26.3
80	202	246	4767	24.9
75	189	243	4465	23.4
70	176	241	4164	21.9
65	164	238	3883	20.6
60	151	235	3581	19.0
55	138	232	3276	17.5
50	125	228	2970	15.9
45	113	224	2687	14.5
40	100	220	2380	12.9
35	88	215	2096	11.4
30	75	209	1785	9.9
25	63	203	1500	8.6
20	50	194	1188	7.0
15	38	184	901	5.5
10	25	169	587	3.8
7	17	155	394	2.7