

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE12DV4M2M
EAN: 4058352924969

LP number
58689_102



Version cover frosted, wide distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 27150 lm
 Power consumption = 150.5 W
 Luminous efficacy = 180.4 lm/W

serial
documentation
21.09.2023

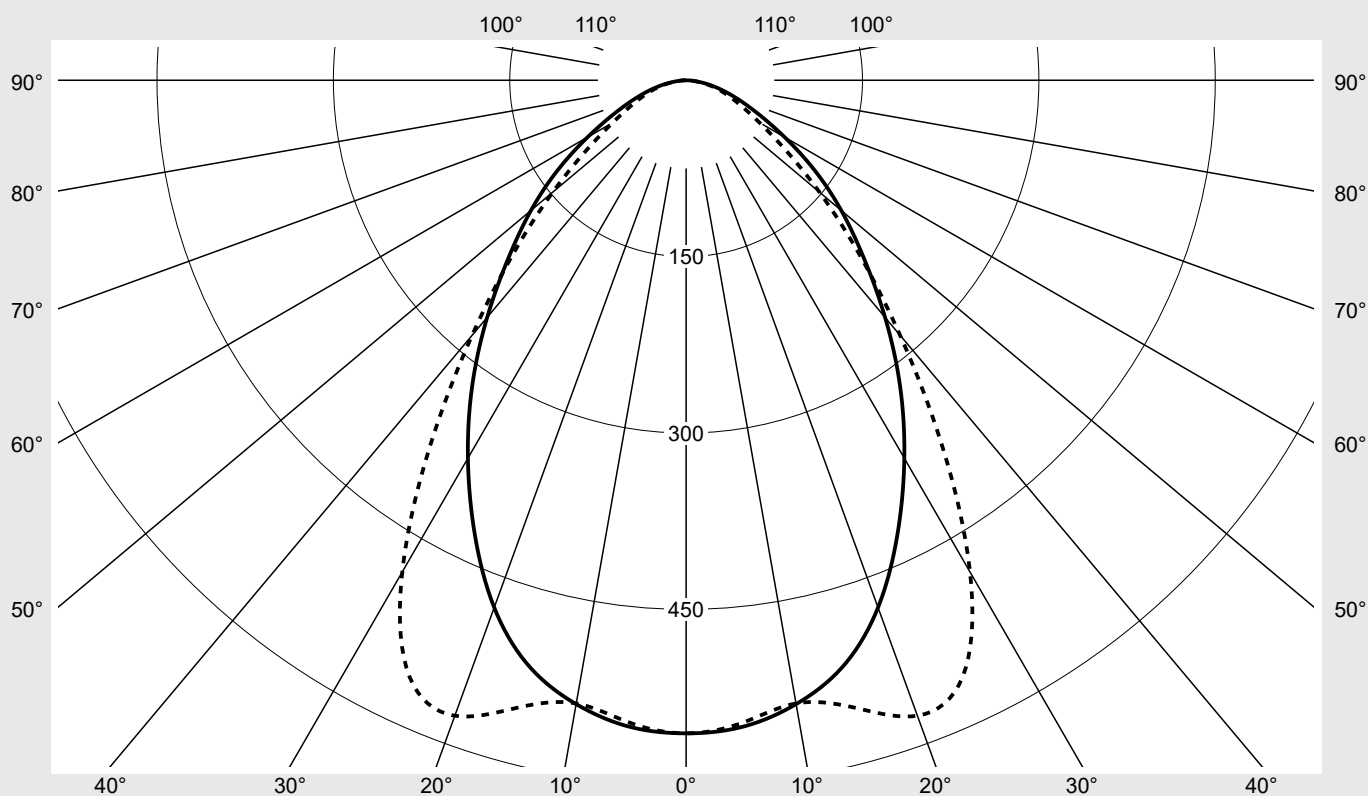
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Luminous intensity in cd/klm

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	24.9	26.4	25.3	26.7	27.1	24.4	25.9	24.8	26.2	26.5
	3H	25.7	27.0	26.1	27.3	27.7	25.0	26.3	25.4	26.7	27.0
	4H	26.0	27.2	26.4	27.5	27.9	25.3	26.5	25.7	26.8	27.2
	6H	26.2	27.3	26.6	27.7	28.1	25.5	26.6	25.9	27.0	27.4
	8H	26.3	27.3	26.7	27.7	28.1	25.6	26.6	26.0	27.0	27.4
	12H	26.3	27.3	26.8	27.7	28.1	25.6	26.6	26.1	27.0	27.4
4H	2H	25.3	26.5	25.7	26.9	27.2	24.8	26.1	25.2	26.4	26.8
	3H	26.1	27.1	26.5	27.5	27.9	25.6	26.6	26.0	27.0	27.4
	4H	26.4	27.4	26.9	27.8	28.2	26.0	26.9	26.4	27.3	27.7
	6H	26.7	27.5	27.2	28.0	28.4	26.2	27.0	26.7	27.5	27.9
	8H	26.8	27.5	27.3	28.0	28.5	26.3	27.1	26.8	27.5	28.0
	12H	26.9	27.5	27.4	28.0	28.5	26.4	27.0	26.9	27.5	28.0
8H	4H	26.5	27.3	27.0	27.7	28.2	26.1	26.8	26.6	27.3	27.7
	6H	26.9	27.5	27.4	27.9	28.4	26.4	27.0	26.9	27.5	28.0
	8H	27.0	27.5	27.5	28.0	28.5	26.6	27.1	27.1	27.6	28.1
	12H	27.1	27.5	27.6	28.0	28.5	26.7	27.1	27.2	27.6	28.1
12H	4H	26.6	27.2	27.0	27.6	28.1	26.1	26.7	26.6	27.2	27.7
	6H	26.9	27.4	27.4	27.9	28.4	26.5	27.0	27.0	27.4	28.0
	8H	27.0	27.4	27.5	27.9	28.5	26.6	27.0	27.1	27.5	28.1

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°	62876.6	60017.6	67688.6	67807.2	59672.5	58895.8	60913.3
50°	55757.3	51864.3	57359.4	57169.4	48422.4	46381.1	47900.4
55°	48360.0	44090.8	45832.9	46817.3	40542.3	36645.3	37360.6
60°	40224.9	36564.9	35463.1	37522.8	34590.6	29546.3	29984.0
65°	33318.9	30042.8	27728.6	30060.5	29795.2	25027.9	25629.0
70°	28519.5	25392.3	22209.1	24466.5	25614.9	22155.6	23179.3
75°	24865.6	21437.3	18142.4	20057.9	21764.4	19828.0	21363.3
80°	21290.0	17687.4	14348.3	15753.7	17559.2	16939.8	18697.4
85°	15737.9	12892.5	10486.4	11388.7	12596.5	12813.7	14021.6

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Luminance values in cd/m²

γ 65°

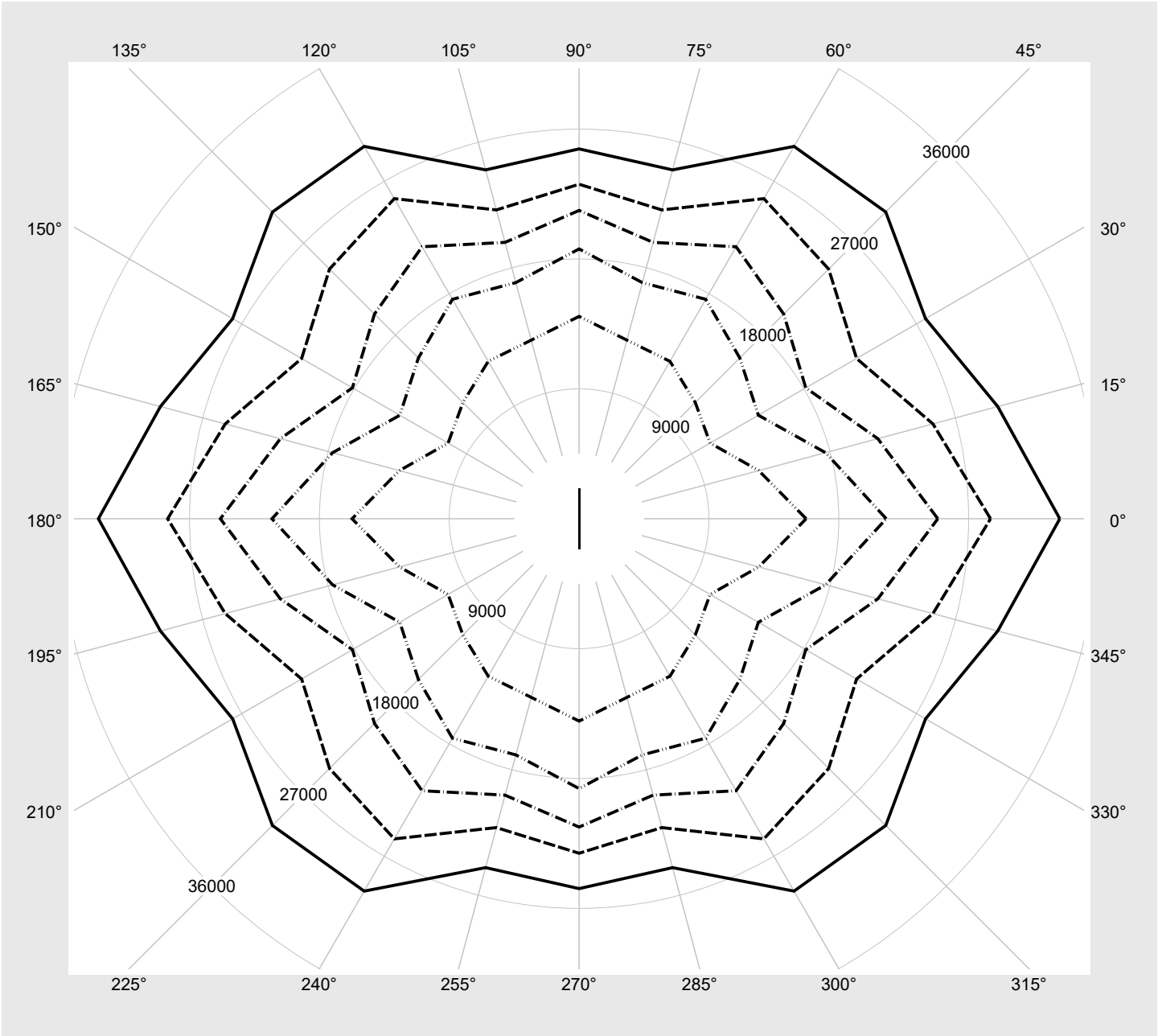
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	27150	150.5
95	240	252	25769	141.7
90	226	250	24426	133.0
85	212	247	23047	124.4
80	199	245	21745	116.4
75	185	242	20326	107.9
70	172	240	18995	100.2
65	159	237	17647	92.6
60	146	234	16285	85.0
55	133	230	14913	77.5
50	120	227	13526	70.1
45	108	223	12234	63.2
40	95	218	10818	55.8
35	83	213	9495	49.0
30	71	207	8156	42.2
25	59	201	6804	35.3
20	47	192	5442	28.6
15	35	181	4064	21.7
10	23	166	2674	14.6
5	12	142	1390	7.9
2	4	102	446	2.8