

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE18VN465G
EAN: 4058352972311

LP number
58691_215



Version cover frosted, medium distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI CLO
Rated values Net luminous flux = 6500 lm
Power consumption = 35.3 W
Luminous efficacy = 184.1 lm/W

serial
documentation
13.11.2025

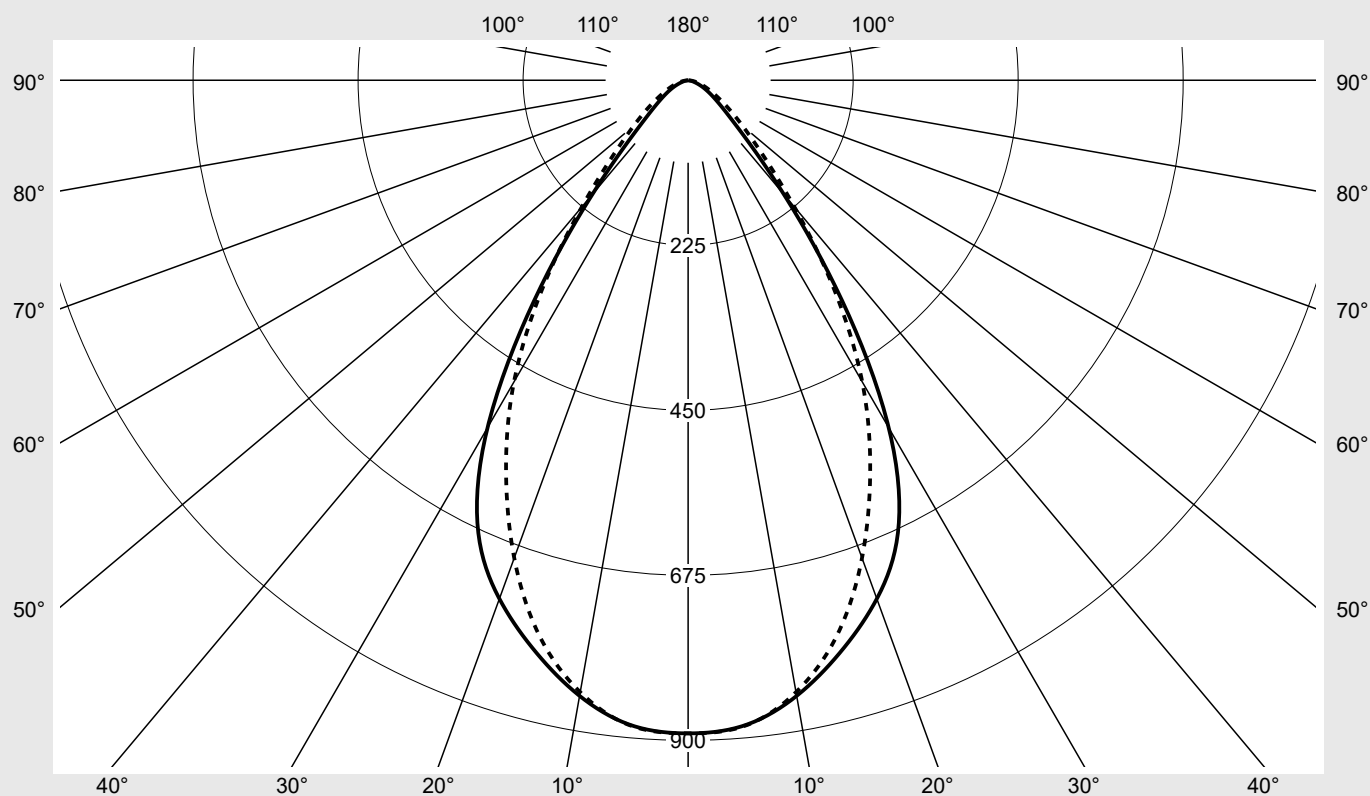
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 890 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=83 N2=96 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°	890.5	890.5	890.5	890.5	890.5	890.5	890.5	5.3	5.3
5°	883.0	882.3	875.7	876.1	880.2	881.2	883.8	42.0	47.4
10°	852.3	852.7	846.0	846.4	847.1	846.1	847.2	80.7	128.1
15°	806.0	807.1	800.6	798.1	793.1	786.0	783.9	113.0	241.1
20°	752.4	753.8	745.8	735.1	719.0	700.4	693.3	136.8	377.8
25°	677.7	678.7	666.2	642.3	616.2	594.6	587.5	147.9	525.7
30°	547.1	547.0	530.5	500.0	481.5	475.9	474.8	139.1	664.9
35°	364.4	363.5	349.1	327.1	328.9	340.7	345.9	108.2	773.0
40°	203.2	202.2	193.4	185.6	201.9	218.9	225.4	71.4	844.5
45°	108.8	108.0	102.7	103.7	123.9	139.5	144.1	45.5	890.0
50°	66.7	66.1	62.8	66.6	83.9	94.8	97.2	31.9	921.9
55°	45.6	45.3	45.3	49.0	60.9	67.0	67.8	24.3	946.1
60°	31.9	31.8	34.1	38.0	45.2	47.1	47.1	18.6	964.8
65°	21.6	21.7	24.8	28.3	33.6	33.2	32.9	14.0	978.8
70°	13.4	13.7	16.2	19.9	24.5	23.3	22.8	9.9	988.7
75°	7.5	7.7	9.1	12.7	16.1	15.5	14.8	6.4	995.1
80°	4.0	4.1	4.6	6.4	8.9	8.9	8.1	3.5	998.6
85°	1.9	1.8	2.0	2.6	3.4	3.5	3.0	1.4	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	17.5	18.8	17.8	19.1	19.4	18.4	19.7	18.7	20.0	20.3
	3H	17.6	18.8	18.0	19.1	19.5	18.9	20.0	19.3	20.4	20.7
	4H	17.7	18.7	18.1	19.1	19.5	19.1	20.1	19.5	20.5	20.9
	6H	17.7	18.6	18.1	19.0	19.4	19.2	20.1	19.6	20.5	20.9
	8H	17.8	18.6	18.2	19.0	19.4	19.3	20.1	19.7	20.5	20.9
	12H	17.7	18.5	18.2	18.9	19.3	19.3	20.1	19.8	20.5	20.9
4H	2H	17.6	18.7	18.0	19.0	19.4	18.5	19.5	18.9	19.9	20.3
	3H	17.9	18.8	18.3	19.2	19.6	19.1	20.0	19.6	20.4	20.8
	4H	18.0	18.8	18.4	19.2	19.6	19.4	20.2	19.9	20.6	21.1
	6H	18.0	18.7	18.5	19.1	19.6	19.6	20.3	20.1	20.7	21.2
	8H	18.0	18.6	18.5	19.0	19.5	19.7	20.3	20.2	20.8	21.2
	12H	18.0	18.5	18.5	19.0	19.5	19.8	20.3	20.3	20.7	21.2
8H	4H	18.1	18.7	18.5	19.1	19.6	19.4	20.0	19.9	20.5	21.0
	6H	18.1	18.6	18.6	19.1	19.6	19.7	20.2	20.2	20.7	21.2
	8H	18.1	18.5	18.6	19.0	19.6	19.8	20.3	20.3	20.8	21.3
	12H	18.1	18.5	18.7	19.0	19.5	19.9	20.3	20.4	20.8	21.3
12H	4H	18.1	18.6	18.6	19.1	19.6	19.5	19.9	19.9	20.4	20.9
	6H	18.2	18.5	18.7	19.0	19.6	19.7	20.1	20.3	20.6	21.2
	8H	18.2	18.5	18.7	19.0	19.6	19.8	20.2	20.4	20.7	21.2

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°	11498.3	11414.5	10846.5	10952.0	13094.0	14736.1	15229.8
50°	7758.0	7683.0	7295.0	7744.1	9755.8	11018.6	11303.5
55°	5938.0	5901.7	5905.0	6378.1	7927.0	8724.8	8830.4
60°	4771.1	4747.5	5102.7	5683.1	6748.6	7037.0	7030.5
65°	3821.7	3837.3	4385.3	5009.0	5936.3	5861.5	5810.0
70°	2920.2	2997.3	3545.4	4343.8	5349.5	5099.2	4976.6
75°	2164.4	2226.2	2630.0	3653.7	4652.7	4484.2	4272.9
80°	1721.4	1749.4	1986.0	2759.6	3844.3	3812.5	3504.0
85°	1597.0	1581.6	1710.2	2261.4	2924.0	3020.0	2564.0

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Luminance values in cd/m²

γ 65°

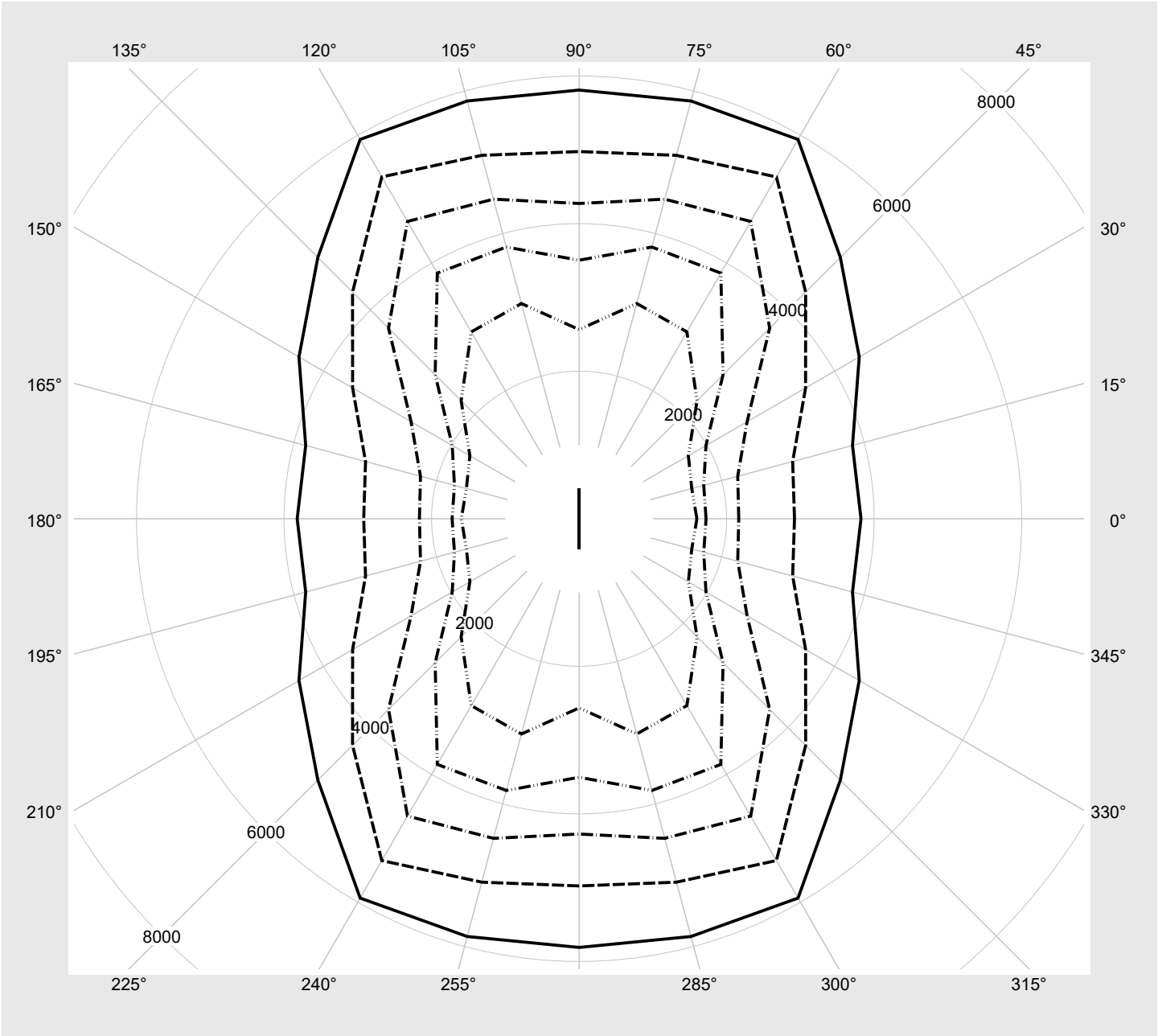
γ 70°

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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	6500	35.3	37.2	36.2
95	241	252	6185	33.6	35.3	34.4
90	227	250	5841	31.6	33.3	32.4
85	214	248	5523	29.8	31.4	30.6
80	201	245	5202	28.2	29.6	28.9
75	188	243	4880	26.6	27.8	27.2
70	175	240	4555	24.9	26.1	25.5
65	162	238	4226	23.2	24.3	23.8
60	149	234	3898	21.4	22.5	22.0
55	136	231	3568	19.7	20.6	20.2
50	124	228	3262	18.1	19.0	18.6
45	111	224	2928	16.3	17.1	16.7
40	98	219	2590	14.4	15.1	14.8
35	86	214	2278	12.8	13.4	13.1
30	73	208	1938	10.9	11.4	11.2
25	61	202	1623	9.4	9.8	9.6
20	49	194	1306	7.7	8.1	7.9
15	37	183	988	6.1	6.3	6.2
10	24	168	638	4.2	4.4	4.3
9	21	163	557	3.7	3.9	3.8