

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE10DN495G
EAN: 4058352926604

LP number
58684_106



Version cover frosted
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 9960 lm
 Power consumption = 56.7 W
 Luminous efficacy = 175.7 lm/W

serial
documentation
14.09.2023

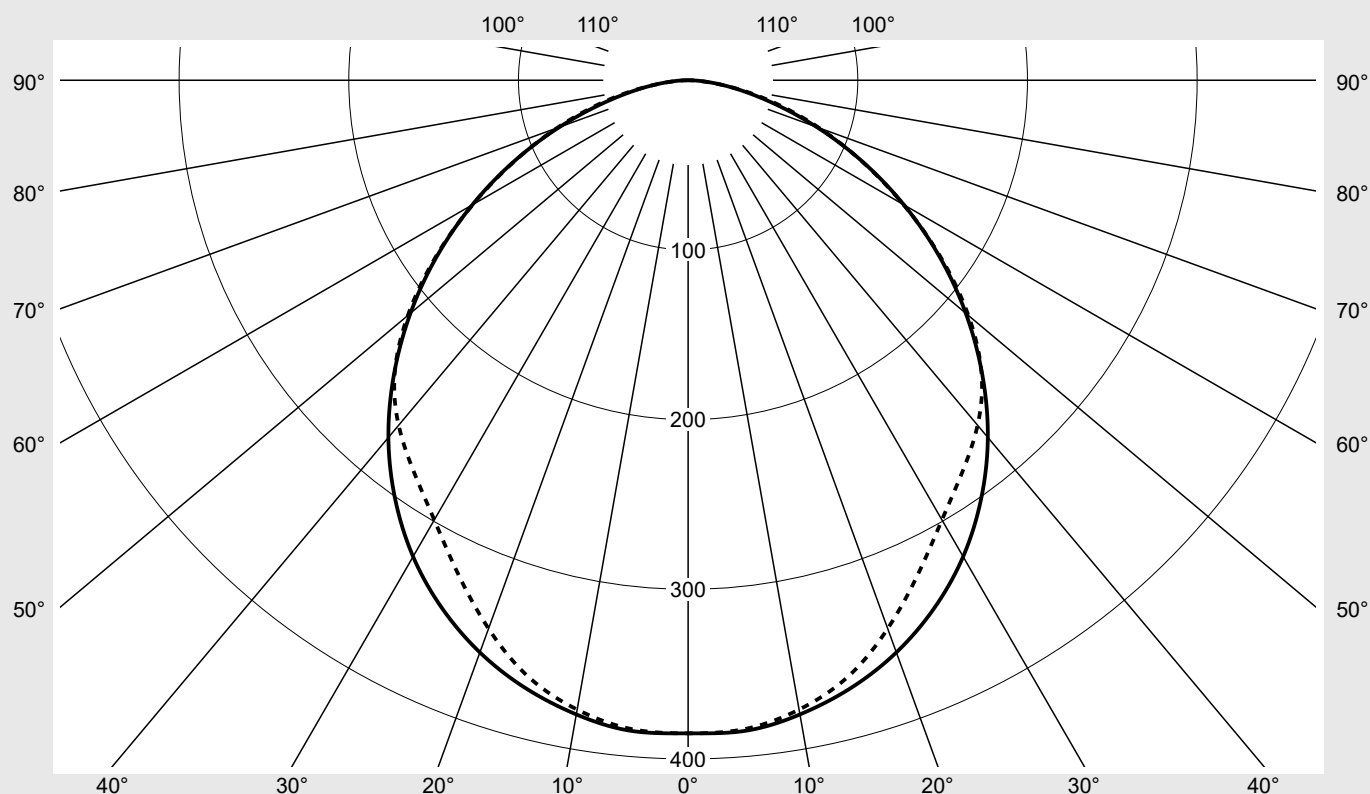
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 385 cd/klm



Classifications

DIN 5040 A 4 0
 CIE N1=50 N2=81 N3=96
 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°	384.9	384.9	384.9	384.9	384.9	384.9	384.9	2.3	2.3
5°	384.9	383.5	380.9	382.4	383.7	383.9	383.8	18.3	20.6
10°	379.5	378.4	375.4	376.4	377.1	376.9	376.6	35.9	56.5
15°	370.8	369.9	366.1	365.8	365.5	363.9	363.9	52.0	108.5
20°	358.8	358.1	353.2	350.6	348.2	345.1	343.9	65.8	174.3
25°	343.3	342.7	336.1	331.0	326.3	322.1	320.9	76.8	251.1
30°	324.2	323.3	314.8	307.4	302.4	299.4	299.2	84.9	336.1
35°	301.1	299.6	289.7	281.8	279.3	280.0	281.8	90.2	426.3
40°	274.8	272.4	262.0	255.7	258.0	262.5	265.4	92.8	519.1
45°	245.2	241.9	231.9	229.2	235.1	240.6	244.6	92.0	611.1
50°	213.6	209.5	202.3	202.7	208.5	212.2	215.6	87.5	698.5
55°	180.7	176.6	172.5	174.4	178.1	179.3	181.7	79.5	778.0
60°	146.9	143.9	142.8	145.1	146.4	145.5	146.6	68.9	846.9
65°	113.3	112.0	113.5	115.8	115.6	113.0	112.9	56.5	903.4
70°	80.7	81.0	84.0	87.4	86.4	83.3	82.2	43.2	946.6
75°	51.4	52.0	55.5	60.1	59.2	56.0	54.4	29.6	976.3
80°	28.6	28.8	31.3	34.2	34.2	31.5	29.9	17.0	993.3
85°	11.6	11.6	12.6	13.6	13.2	11.7	10.4	6.7	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	24.7	26.3	25.0	26.6	26.9	24.7	26.4	25.1	26.7	27.0
	3H	26.0	27.5	26.4	27.8	28.2	26.1	27.6	26.5	27.9	28.3
	4H	26.5	27.9	26.9	28.2	28.6	26.6	28.0	27.0	28.3	28.7
	6H	26.8	28.1	27.2	28.4	28.8	26.9	28.2	27.3	28.6	29.0
	8H	26.9	28.1	27.3	28.5	28.9	27.1	28.3	27.5	28.6	29.0
	12H	27.0	28.1	27.4	28.5	28.9	27.1	28.2	27.5	28.6	29.0
4H	2H	25.4	26.8	25.8	27.1	27.5	25.4	26.8	25.8	27.2	27.5
	3H	26.9	28.1	27.3	28.5	28.9	27.0	28.2	27.4	28.5	29.0
	4H	27.5	28.5	27.9	28.9	29.4	27.6	28.7	28.0	29.1	29.5
	6H	27.9	28.8	28.3	29.2	29.7	28.0	29.0	28.5	29.4	29.9
	8H	28.0	28.8	28.5	29.3	29.8	28.2	29.0	28.7	29.5	30.0
	12H	28.1	28.8	28.6	29.3	29.8	28.3	29.0	28.8	29.5	30.0
8H	4H	27.8	28.6	28.2	29.1	29.5	27.9	28.8	28.4	29.2	29.7
	6H	28.3	29.0	28.8	29.5	30.0	28.5	29.2	29.0	29.7	30.2
	8H	28.5	29.1	29.0	29.6	30.1	28.7	29.3	29.2	29.8	30.3
	12H	28.6	29.1	29.1	29.6	30.2	28.8	29.3	29.3	29.8	30.4
12H	4H	27.8	28.6	28.3	29.0	29.5	28.0	28.7	28.4	29.2	29.7
	6H	28.4	29.0	28.9	29.5	30.0	28.6	29.2	29.1	29.6	30.2
	8H	28.6	29.1	29.1	29.6	30.1	28.8	29.3	29.3	29.8	30.3

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°	39695.1	39158.5	37543.4	37101.4	38062.1	38958.3	39600.7
50°	38051.3	37318.6	36028.2	36093.0	37130.5	37792.0	38401.4
55°	36059.0	35245.0	34438.5	34801.7	35543.0	35782.7	36262.5
60°	33629.1	32953.6	32703.6	33228.8	33512.3	33303.7	33562.2
65°	30692.8	30347.7	30732.4	31363.6	31304.5	30614.0	30594.2
70°	27028.1	27113.4	28111.6	29244.9	28912.6	27866.9	27525.5
75°	22736.5	22987.8	24554.9	26603.3	26183.1	24773.9	24073.2
80°	18828.4	19008.4	20648.0	22565.8	22554.0	20772.6	19711.8
85°	15255.5	15222.6	16485.0	17904.9	17299.4	15432.8	13687.1

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Luminance values in cd/m²

γ 65°

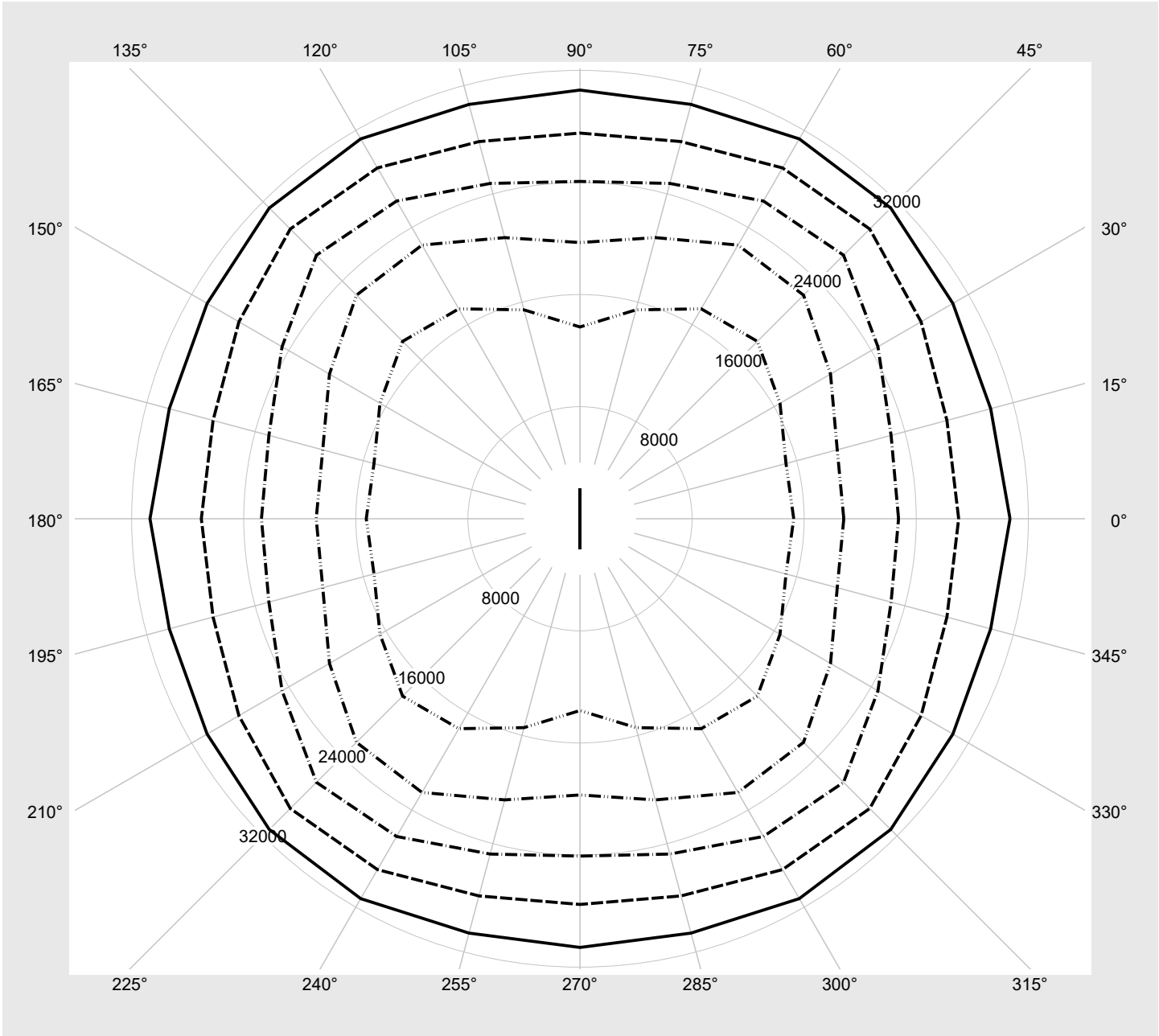
γ 70°

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	9960	56.7
95	240	252	9457	53.6
90	226	250	8946	50.4
85	213	248	8470	47.5
80	199	245	7952	44.4
75	186	243	7464	41.5
70	173	240	6975	38.5
65	160	237	6481	35.7
60	147	234	5982	32.8
55	134	231	5475	29.9
50	121	227	4966	27.2
45	109	223	4493	24.6
40	96	218	3972	21.9
35	84	213	3490	19.3
30	72	208	3004	16.9
25	60	201	2510	14.4
20	47	192	1975	11.6
15	35	181	1475	9.1
10	24	168	1014	6.8
5	12	142	503	4.4
2	4	102	162	2.8