

Photometric test report

Family
Licross® 11 Performance

Order number: 51TD16VN465G
EAN: 4058352971154

LP number
58520_408



Version cover frosted, direct-/ indirect distribution
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI CLO
Rated values Net luminous flux = 6500 lm
 Power consumption = 34.9 W
 Luminous efficacy = 186.2 lm/W

serial
documentation
13.11.2025

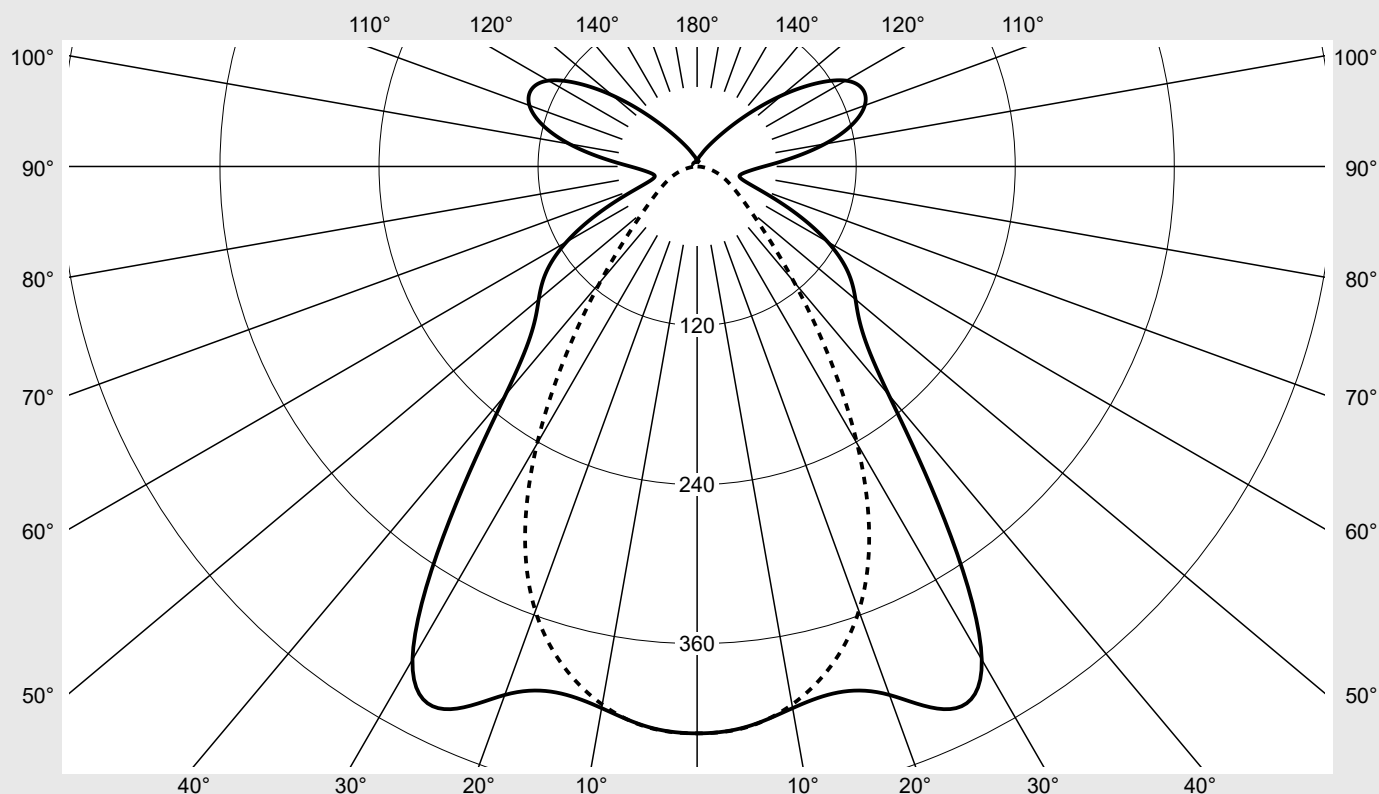
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 452 cd/klm



Classifications

DIN 5040 B 5 1
 CIE N1=65 N2=88 N3=96
 N4=79 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 79.3%
 ϕ_o 20.7%

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°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	2.6	2.6
5°	424.4	422.4	420.2	422.1	424.3	424.4	424.8	20.2	22.8
10°	414.9	412.5	408.9	409.5	411.2	411.6	412.2	39.1	61.9
15°	410.8	406.7	398.1	393.2	390.9	389.7	390.1	56.3	118.2
20°	424.3	415.5	394.5	375.8	364.0	357.7	356.8	71.8	190.0
25°	451.7	439.9	403.9	360.3	329.2	311.6	307.2	85.9	275.8
30°	429.5	430.9	412.5	347.4	284.5	251.0	241.5	94.2	370.0
35°	325.6	344.5	379.3	329.0	231.5	183.8	171.0	89.9	460.0
40°	224.9	238.5	293.1	289.7	177.2	125.7	113.8	76.0	535.9
45°	176.4	174.8	199.5	224.7	128.0	84.3	75.7	60.6	596.5
50°	156.0	144.3	136.6	154.2	90.2	58.9	53.2	48.2	644.7
55°	139.0	122.9	98.4	99.7	63.9	43.4	39.8	38.7	683.4
60°	113.7	99.1	72.2	64.7	46.3	33.0	30.8	30.7	714.1
65°	79.7	70.2	51.6	43.8	34.5	25.6	24.0	23.0	737.1
70°	47.7	43.4	35.6	31.1	26.2	19.7	18.2	16.2	753.3
75°	33.9	31.2	26.1	23.2	19.9	14.4	12.7	12.2	765.5
80°	33.7	30.7	23.7	18.2	15.1	9.9	7.5	10.6	776.1
85°	39.3	35.6	26.3	17.2	11.4	6.2	3.2	10.7	786.9
90°	50.4	45.6	32.3	18.9	10.0	3.9	0.6	12.4	799.3
95°	71.3	63.5	42.3	22.5	11.4	4.6	1.0	16.4	815.7
100°	97.9	84.6	52.5	26.5	12.9	5.3	1.6	20.8	836.6
105°	120.7	101.7	62.6	30.2	14.2	6.1	2.4	24.4	860.9
110°	134.6	112.6	69.4	33.2	15.3	6.7	2.9	26.3	887.2
115°	137.8	115.5	72.0	34.6	16.0	7.2	3.2	26.1	913.3
120°	129.6	108.9	68.7	33.6	15.7	7.4	3.5	23.8	937.1
125°	109.1	92.2	59.5	30.3	14.7	7.4	3.7	19.5	956.6
130°	83.4	71.0	47.4	25.5	13.2	7.2	3.7	14.5	971.2
135°	58.6	50.3	35.1	20.5	11.4	6.8	3.7	10.0	981.2
140°	39.2	34.3	25.3	16.3	9.8	6.3	3.7	6.7	987.9
145°	26.6	23.8	18.6	13.0	8.2	5.4	3.7	4.4	992.3
150°	18.7	17.2	14.2	10.0	6.9	5.0	3.7	2.9	995.2
155°	13.8	12.8	10.8	7.8	6.8	4.4	3.6	2.0	997.2
160°	10.2	9.8	7.9	6.8	5.6	4.6	3.5	1.3	998.5
165°	8.2	7.8	6.5	5.6	5.0	4.1	3.7	0.8	999.3
170°	6.4	5.6	4.7	4.7	5.0	4.1	3.9	0.5	999.8
175°	4.2	3.7	4.1	4.1	4.1	4.2	4.2	0.2	1000.0
180°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	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	17.6	18.8	18.1	19.4	20.0	13.8	15.0	14.3	15.6	16.2
	3H	18.2	19.3	18.8	19.9	20.6	14.2	15.3	14.8	15.9	16.6
	4H	18.3	19.3	19.0	20.0	20.7	14.4	15.4	15.0	16.0	16.7
	6H	18.6	19.5	19.3	20.2	20.9	14.5	15.5	15.2	16.1	16.8
	8H	18.8	19.6	19.5	20.3	21.1	14.5	15.4	15.2	16.1	16.8
	12H	19.2	19.9	19.9	20.6	21.4	14.5	15.4	15.2	16.0	16.8
4H	2H	17.6	18.6	18.2	19.2	19.9	14.2	15.2	14.9	15.9	16.6
	3H	18.3	19.1	18.9	19.8	20.5	14.8	15.7	15.5	16.3	17.1
	4H	18.5	19.3	19.2	20.0	20.8	15.1	15.9	15.8	16.5	17.3
	6H	18.9	19.6	19.7	20.3	21.1	15.3	16.0	16.0	16.7	17.5
	8H	19.3	19.9	20.0	20.6	21.5	15.4	16.0	16.1	16.7	17.6
	12H	19.8	20.3	20.6	21.1	21.9	15.4	16.0	16.1	16.7	17.5
8H	4H	18.5	19.1	19.2	19.8	20.6	15.3	15.8	16.0	16.6	17.4
	6H	19.0	19.5	19.8	20.3	21.2	15.6	16.1	16.4	16.9	17.8
	8H	19.5	20.0	20.3	20.7	21.6	15.8	16.3	16.6	17.0	17.9
	12H	20.3	20.7	21.1	21.4	22.4	15.9	16.3	16.7	17.1	18.0
12H	4H	18.4	19.0	19.2	19.7	20.6	15.3	15.8	16.0	16.5	17.4
	6H	19.0	19.5	19.8	20.2	21.1	15.7	16.2	16.5	16.9	17.8
	8H	19.6	19.9	20.3	20.7	21.6	16.0	16.3	16.8	17.1	18.0

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:	L = 1480 B = 115	H(C0) = 36 H(C90) = 0	H(C180) = 36 H(C270) = 0
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°	7256.6	7248.8	8477.2	9936.6	5979.9	4212.4	4086.2
50°	6750.3	6300.5	6131.9	7249.7	4517.9	3193.1	3159.0
55°	6395.5	5716.4	4724.0	5045.1	3477.0	2589.8	2648.5
60°	5630.7	4969.1	3751.1	3572.6	2784.9	2213.7	2352.3
65°	4311.8	3845.5	2946.8	2684.0	2337.3	1973.0	2171.9
70°	2862.4	2646.5	2278.3	2162.4	2042.1	1798.0	2035.9
75°	2310.2	2161.2	1915.1	1874.7	1856.2	1635.3	1875.6
80°	2673.0	2489.3	2054.0	1772.5	1762.2	1494.7	1651.0
85°	3758.8	3505.3	2810.5	2135.5	1786.6	1413.0	1405.7

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Luminance values in cd/m²

γ 65°

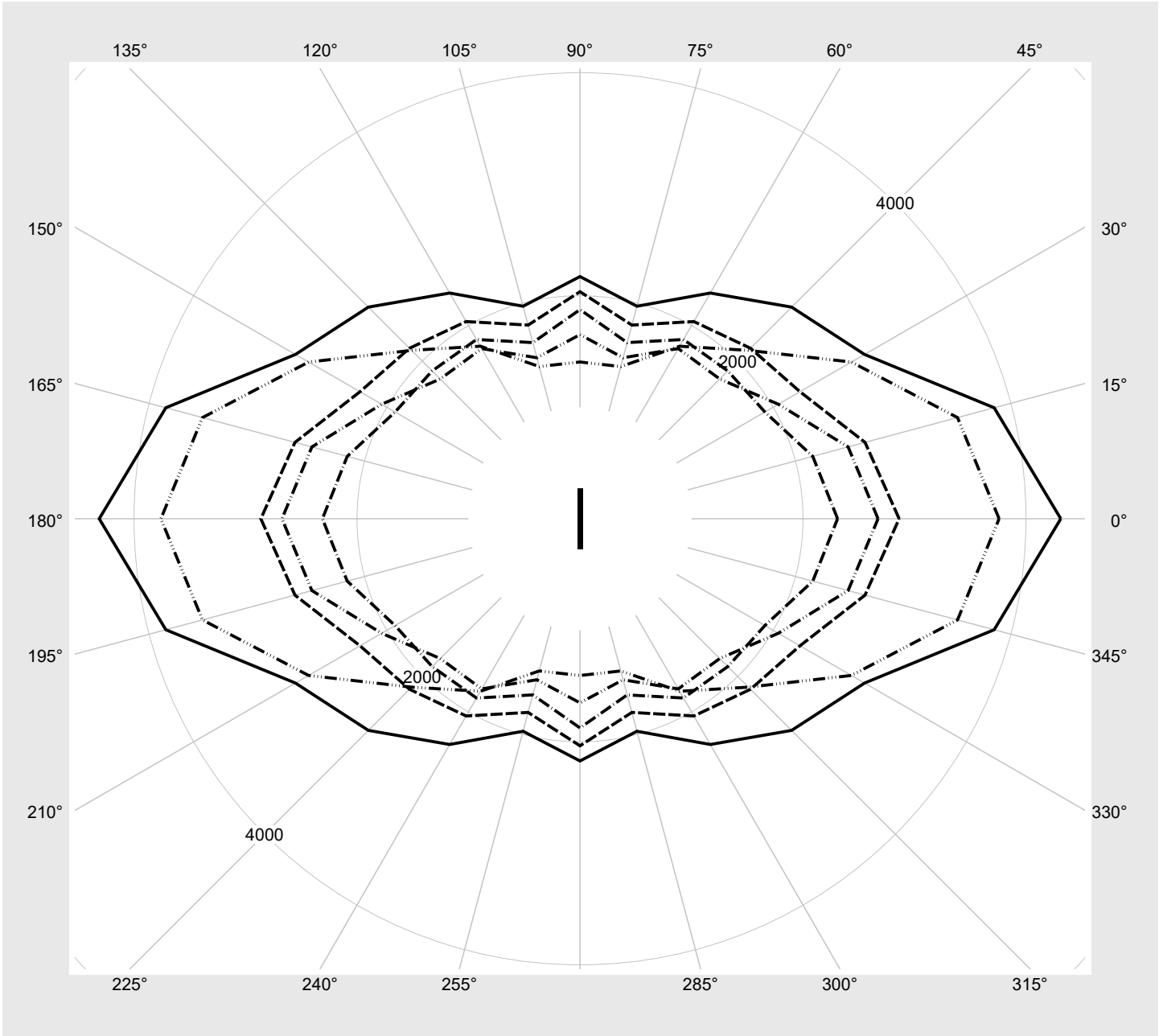
γ 70°

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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	6500	34.9	36.8	35.8
95	241	252	6185	33.1	34.8	34.0
90	227	250	5843	31.2	32.9	32.0
85	214	248	5524	29.4	31.0	30.2
80	201	245	5202	27.8	29.1	28.4
75	188	243	4877	26.2	27.4	26.8
70	175	240	4552	24.5	25.7	25.1
65	162	238	4226	22.8	23.9	23.4
60	149	234	3897	21.1	22.2	21.6
55	136	231	3567	19.4	20.3	19.8
50	124	228	3260	17.7	18.6	18.2
45	111	224	2924	16.0	16.7	16.4
40	98	219	2588	14.2	14.9	14.6
35	86	214	2276	12.5	13.2	12.8
30	74	209	1963	10.9	11.4	11.2
25	61	202	1622	9.2	9.7	9.4
20	49	194	1305	7.6	8.0	7.8
15	37	183	985	6.0	6.3	6.2
10	25	169	663	4.3	4.4	4.4
7	18	157	475	3.2	3.4	3.3