

Photometric test report

Family
Licross® 11 Performance

Order number: 51TD16VN375G
EAN: 4069025410047

LP number
58520_404



Version cover frosted, direct-/ indirect distribution
Lamps LED 3000 K | CRI ≥ 80
Controlgear ECG-DALI CLO
Rated values Net luminous flux = 7700 lm
 Power consumption = 44.1 W
 Luminous efficacy = 174.6 lm/W

serial
documentation
10.04.2025

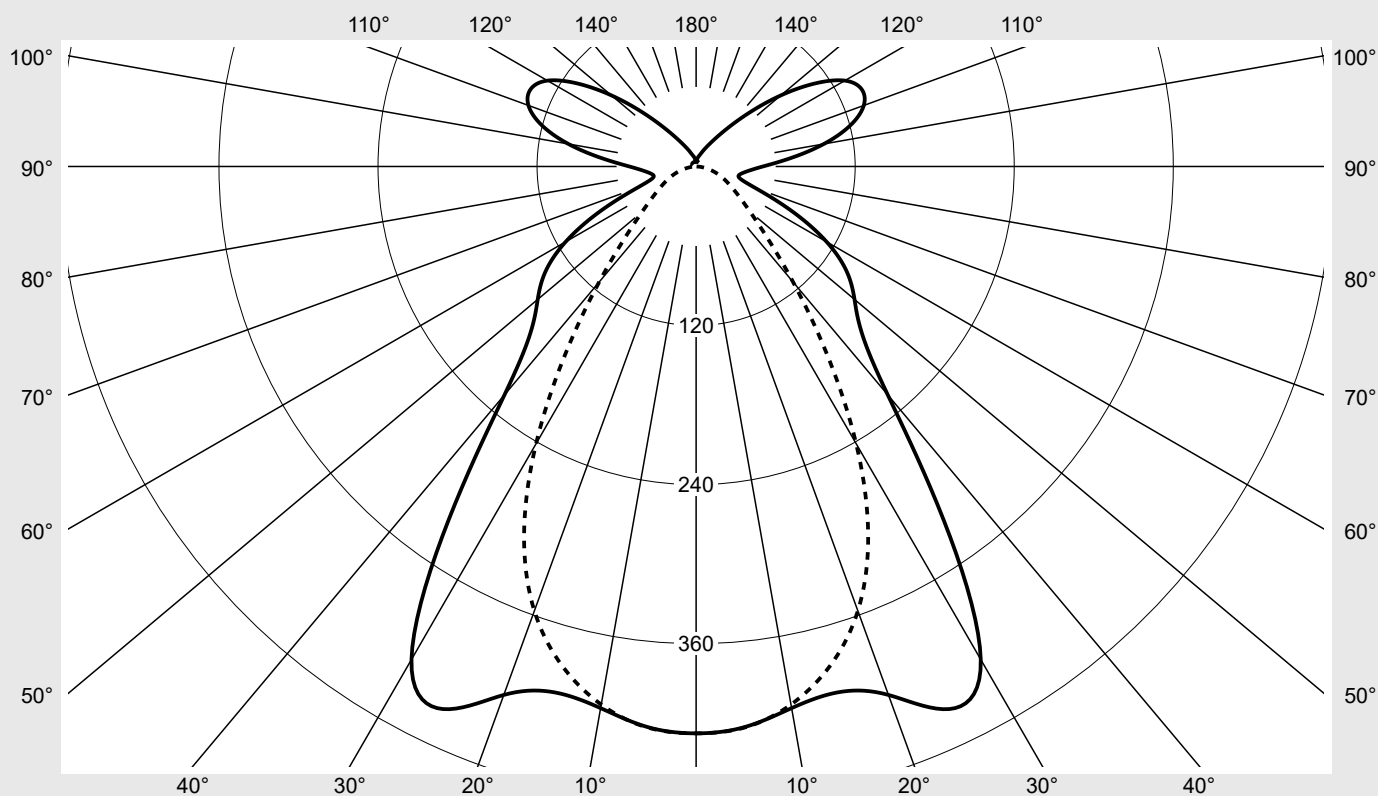
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Luminous intensity in cd/klm

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	18.2	19.4	18.7	20.0	20.6	14.4	15.6	14.9	16.2	16.8
	3H	18.8	19.8	19.4	20.5	21.2	14.8	15.9	15.4	16.5	17.2
	4H	18.9	19.9	19.6	20.6	21.3	15.0	16.0	15.6	16.6	17.3
	6H	19.2	20.1	19.9	20.7	21.5	15.1	16.1	15.7	16.7	17.4
	8H	19.4	20.2	20.1	20.9	21.7	15.1	16.0	15.8	16.7	17.4
	12H	19.8	20.5	20.5	21.2	22.0	15.1	16.0	15.8	16.6	17.4
4H	2H	18.2	19.2	18.8	19.8	20.5	14.8	15.8	15.5	16.5	17.2
	3H	18.9	19.7	19.5	20.4	21.1	15.4	16.2	16.1	16.9	17.7
	4H	19.1	19.9	19.8	20.5	21.3	15.7	16.5	16.4	17.1	17.9
	6H	19.5	20.2	20.2	20.9	21.7	15.9	16.6	16.6	17.3	18.1
	8H	19.9	20.5	20.6	21.2	22.0	16.0	16.6	16.7	17.3	18.1
	12H	20.4	20.9	21.2	21.6	22.5	16.0	16.5	16.7	17.3	18.1
8H	4H	19.1	19.7	19.8	20.4	21.2	15.8	16.4	16.6	17.2	18.0
	6H	19.6	20.1	20.4	20.9	21.7	16.2	16.7	17.0	17.5	18.3
	8H	20.1	20.6	20.9	21.3	22.2	16.4	16.8	17.2	17.6	18.5
	12H	20.9	21.2	21.7	22.0	22.9	16.5	16.9	17.3	17.7	18.6
12H	4H	19.0	19.6	19.7	20.3	21.2	15.9	16.4	16.6	17.1	18.0
	6H	19.6	20.0	20.4	20.8	21.7	16.3	16.7	17.1	17.5	18.4
	8H	20.2	20.5	20.9	21.3	22.2	16.6	16.9	17.3	17.7	18.6

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	γ	0°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°		
		Luminance in cd/m²								
45°		8596.3	8587.1	10042.2	11771.0	7083.8	4990.1	4840.6		
50°		7996.5	7463.6	7263.9	8588.2	5352.0	3782.5	3742.2		
55°		7576.3	6771.8	5596.1	5976.5	4118.9	3067.9	3137.4		
60°		6670.2	5886.4	4443.7	4232.2	3299.1	2622.3	2786.6		
65°		5107.8	4555.5	3490.9	3179.5	2768.8	2337.2	2572.8		
70°		3390.8	3135.1	2699.0	2561.7	2419.1	2130.0	2411.8		
75°		2736.6	2560.2	2268.6	2220.8	2198.9	1937.2	2221.8		
80°		3166.4	2948.8	2433.2	2099.7	2087.5	1770.6	1955.8		
85°		4452.7	4152.5	3329.4	2529.7	2116.5	1673.9	1665.2		

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Luminance values in cd/m²

γ 65°

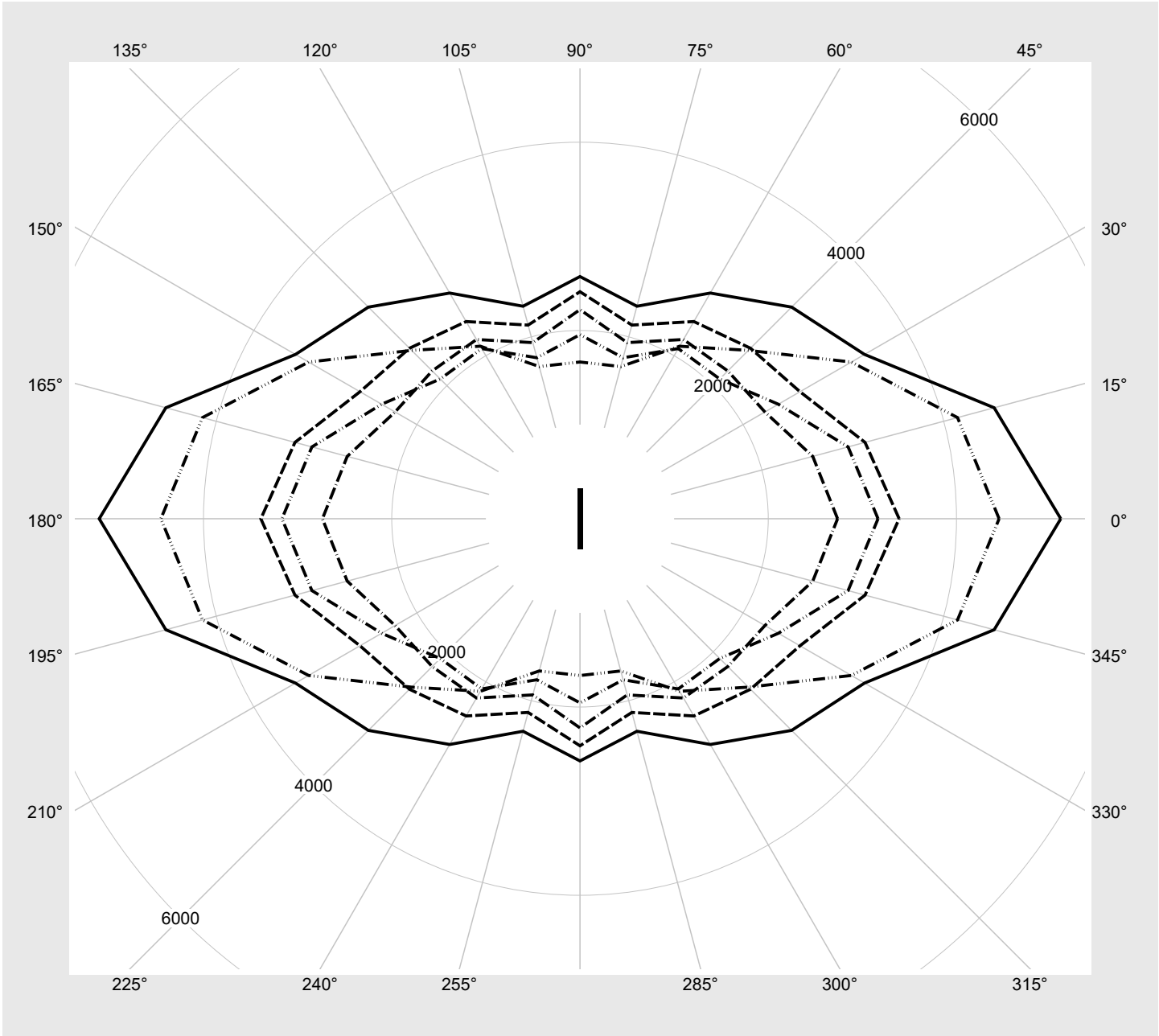
γ 70°

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	7700	44.1	48.6	46.4
95	240	252	7302	41.8	46.0	43.9
90	227	250	6930	39.6	43.4	41.5
85	214	248	6554	37.2	41.0	39.1
80	200	245	6148	34.9	38.2	36.6
75	187	243	5769	32.6	35.8	34.2
70	174	240	5386	30.4	33.3	31.8
65	161	237	5000	28.2	31.0	29.6
60	148	234	4611	26.0	28.5	27.2
55	135	231	4220	23.9	26.1	25.0
50	123	227	3858	21.9	24.0	23.0
45	110	223	3462	19.8	21.6	20.7
40	98	219	3094	17.9	19.4	18.6
35	85	214	2690	15.8	17.1	16.5
30	73	208	2317	13.9	15.0	14.4
25	60	201	1910	11.6	12.6	12.1
20	48	193	1532	9.7	10.5	10.1
15	36	182	1151	7.8	8.4	8.1
10	24	168	766	5.8	6.2	6.0
5	12	142	379	4.0	4.1	4.0
2	5	110	153	2.9	3.0	3.0