

Photometric test report

Family
Licross® 11 Performance

Order number: 51TD16VND45G
EAN: 4058352971208

LP number
58520_411



Version cover frosted, direct-/ indirect distribution,
UGR≤19 (L65≤3000cd/m²)

Lamps LED 4000 K | CRI ≥ 90

Controlgear ECG-DALI CLO

Rated values Net luminous flux = 4500 lm
Power consumption = 26.3 W
Luminous efficacy = 171.1 lm/W

serial
documentation
13.11.2025

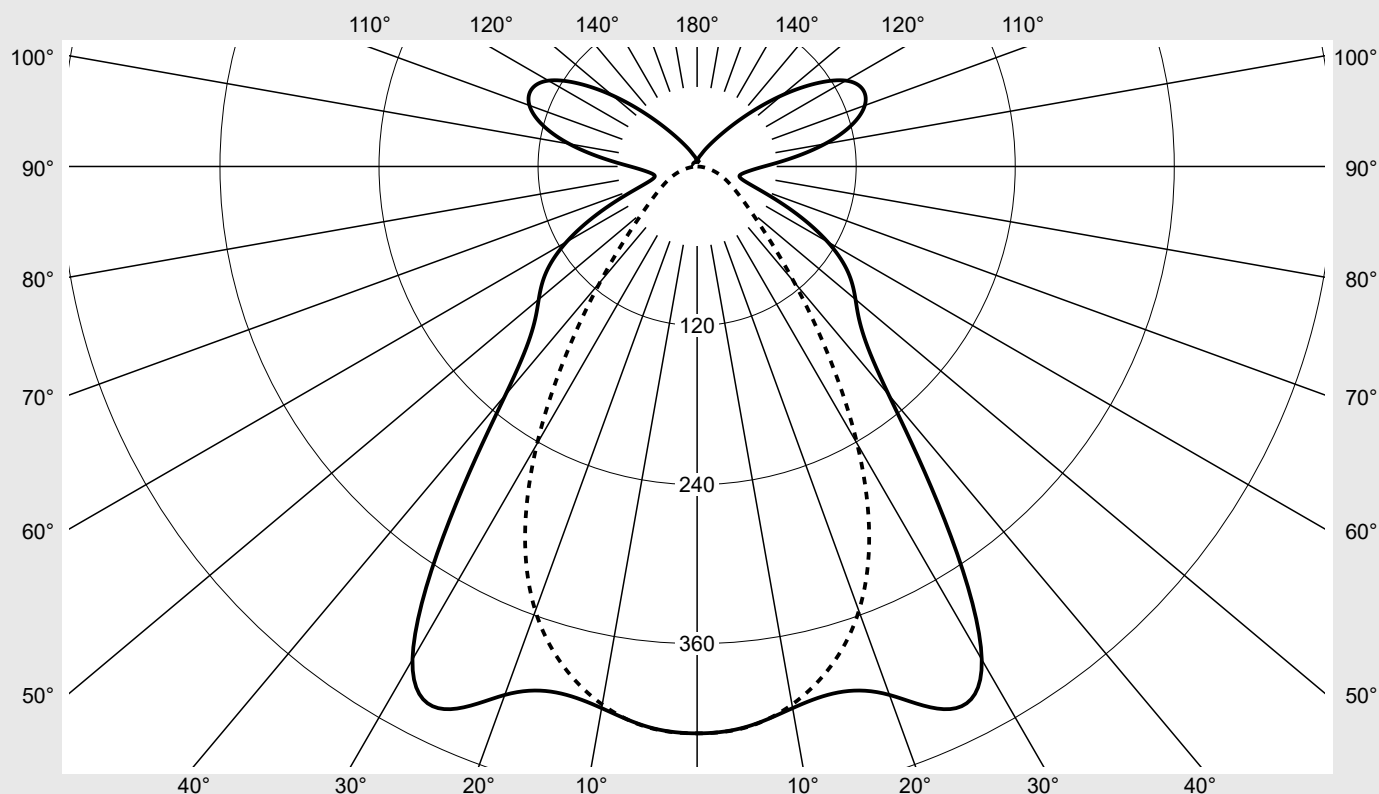
siteco

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	16.3	17.6	16.9	18.1	18.8	12.5	13.8	13.1	14.3	15.0
	3H	16.9	18.0	17.5	18.6	19.3	12.9	14.0	13.5	14.6	15.3
	4H	17.1	18.1	17.7	18.7	19.4	13.1	14.2	13.7	14.8	15.5
	6H	17.3	18.2	18.0	18.9	19.6	13.3	14.2	13.9	14.8	15.6
	8H	17.6	18.4	18.3	19.0	19.8	13.2	14.1	13.9	14.8	15.5
	12H	17.9	18.6	18.6	19.3	20.1	13.3	14.1	13.9	14.8	15.5
4H	2H	16.3	17.4	16.9	18.0	18.7	13.0	14.0	13.6	14.6	15.3
	3H	17.0	17.8	17.6	18.5	19.3	13.5	14.4	14.2	15.0	15.8
	4H	17.2	18.0	17.9	18.7	19.5	13.8	14.6	14.5	15.3	16.1
	6H	17.7	18.3	18.4	19.0	19.9	14.0	14.7	14.7	15.4	16.2
	8H	18.0	18.6	18.7	19.3	20.2	14.1	14.7	14.8	15.4	16.3
	12H	18.5	19.0	19.3	19.8	20.7	14.1	14.7	14.9	15.4	16.3
8H	4H	17.2	17.8	17.9	18.5	19.4	14.0	14.6	14.7	15.3	16.1
	6H	17.8	18.3	18.5	19.0	19.9	14.4	14.8	15.1	15.6	16.5
	8H	18.3	18.7	19.0	19.5	20.3	14.5	15.0	15.3	15.7	16.6
	12H	19.0	19.4	19.8	20.2	21.1	14.6	15.0	15.4	15.8	16.7
12H	4H	17.1	17.7	17.9	18.4	19.3	14.0	14.5	14.8	15.2	16.1
	6H	17.7	18.2	18.5	18.9	19.8	14.5	14.9	15.2	15.6	16.6
	8H	18.3	18.7	19.1	19.4	20.4	14.7	15.1	15.5	15.8	16.8

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° 180°	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° 50° 55° 60°	γ	5023.8	5018.4	5868.8	6879.2	4139.9	2916.3	2828.9
		4673.3	4361.9	4245.2	5019.1	3127.8	2210.6	2187.0
		4427.7	3957.5	3270.4	3492.8	2407.2	1793.0	1833.6
		3898.2	3440.1	2596.9	2473.4	1928.0	1532.5	1628.5
65° 70° 75° 80° 85°	γ	2985.1	2662.3	2040.1	1858.2	1618.1	1365.9	1503.6
		1981.6	1832.2	1577.3	1497.1	1413.8	1244.8	1409.5
		1599.3	1496.2	1325.8	1297.9	1285.1	1132.2	1298.5
		1850.5	1723.3	1422.0	1227.1	1220.0	1034.8	1143.0
		2602.2	2426.8	1945.7	1478.4	1236.9	978.2	973.2

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Luminance values in cd/m²

γ 65°

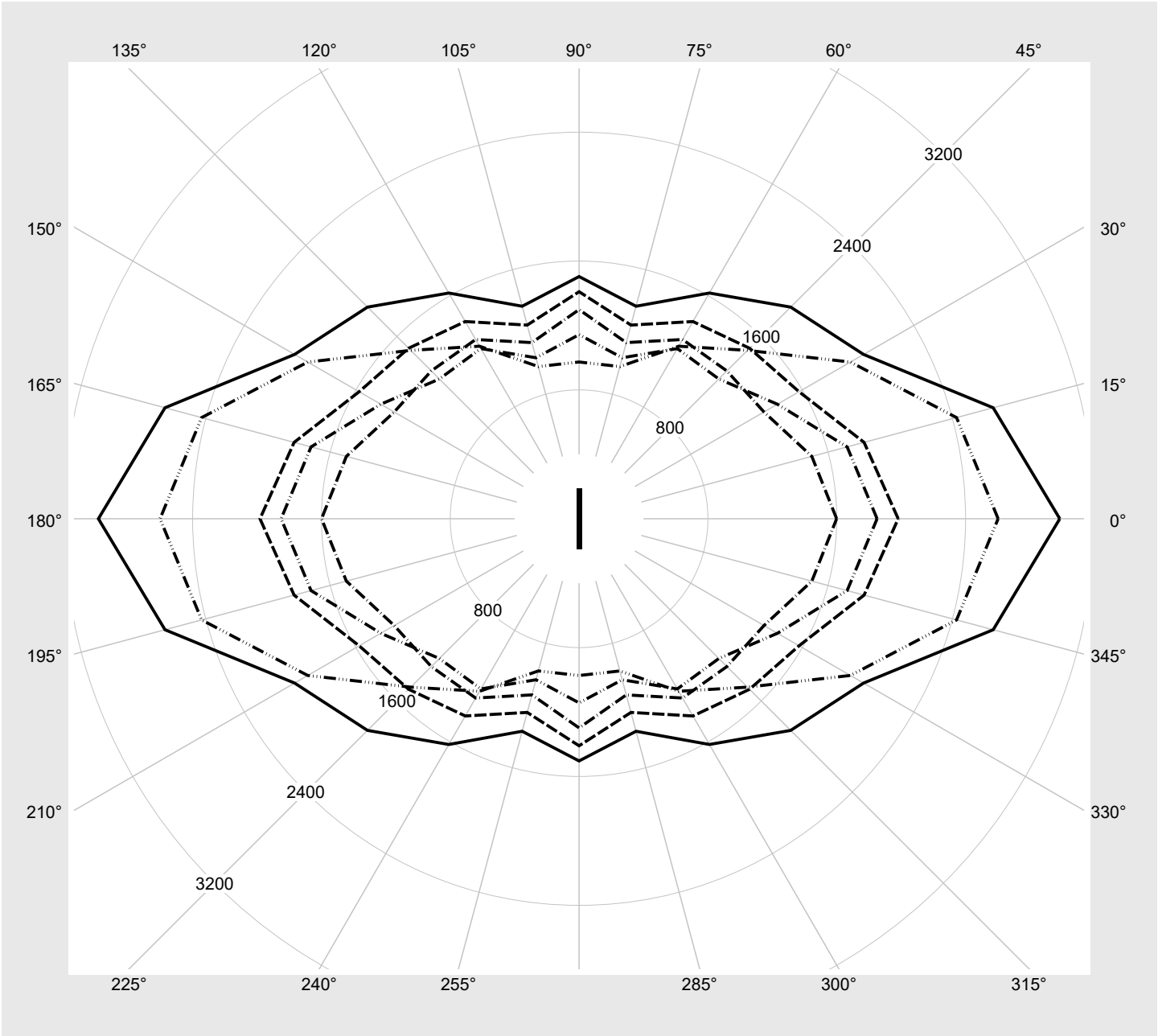
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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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	4500	26.3	27.5	26.9
95	241	252	4281	25.1	26.2	25.6
90	227	250	4043	23.8	24.9	24.4
85	214	248	3822	22.6	23.6	23.1
80	201	245	3600	21.3	22.3	21.8
75	188	243	3375	20.0	21.0	20.5
70	175	240	3150	18.7	19.6	19.2
65	162	238	2924	17.5	18.3	17.9
60	149	234	2694	16.1	16.9	16.5
55	137	231	2484	14.9	15.6	15.2
50	124	228	2254	13.6	14.2	13.9
45	111	224	2024	12.2	12.8	12.5
40	98	219	1792	10.9	11.4	11.2
35	86	214	1576	9.7	10.1	9.9
30	73	208	1342	8.5	8.9	8.7
25	61	202	1125	7.3	7.6	7.4
20	49	194	904	6.0	6.3	6.2
15	36	182	666	4.7	4.9	4.8
10	24	168	446	3.3	3.4	3.4