

Photometric test report

Family

Licross® 11 Performance



Order number: 51TD16VN48XG

EAN: 4058352971178

LP number

58520_409

Version

cover frosted, direct-/ indirect distribution

Lamps

LED 4000 K | CRI ≥ 80

Controlgear

ECG-DALI CLO

Rated values

Net luminous flux = 8000 lm

Power consumption = 44.1 W

Luminous efficacy = 181.4 lm/W

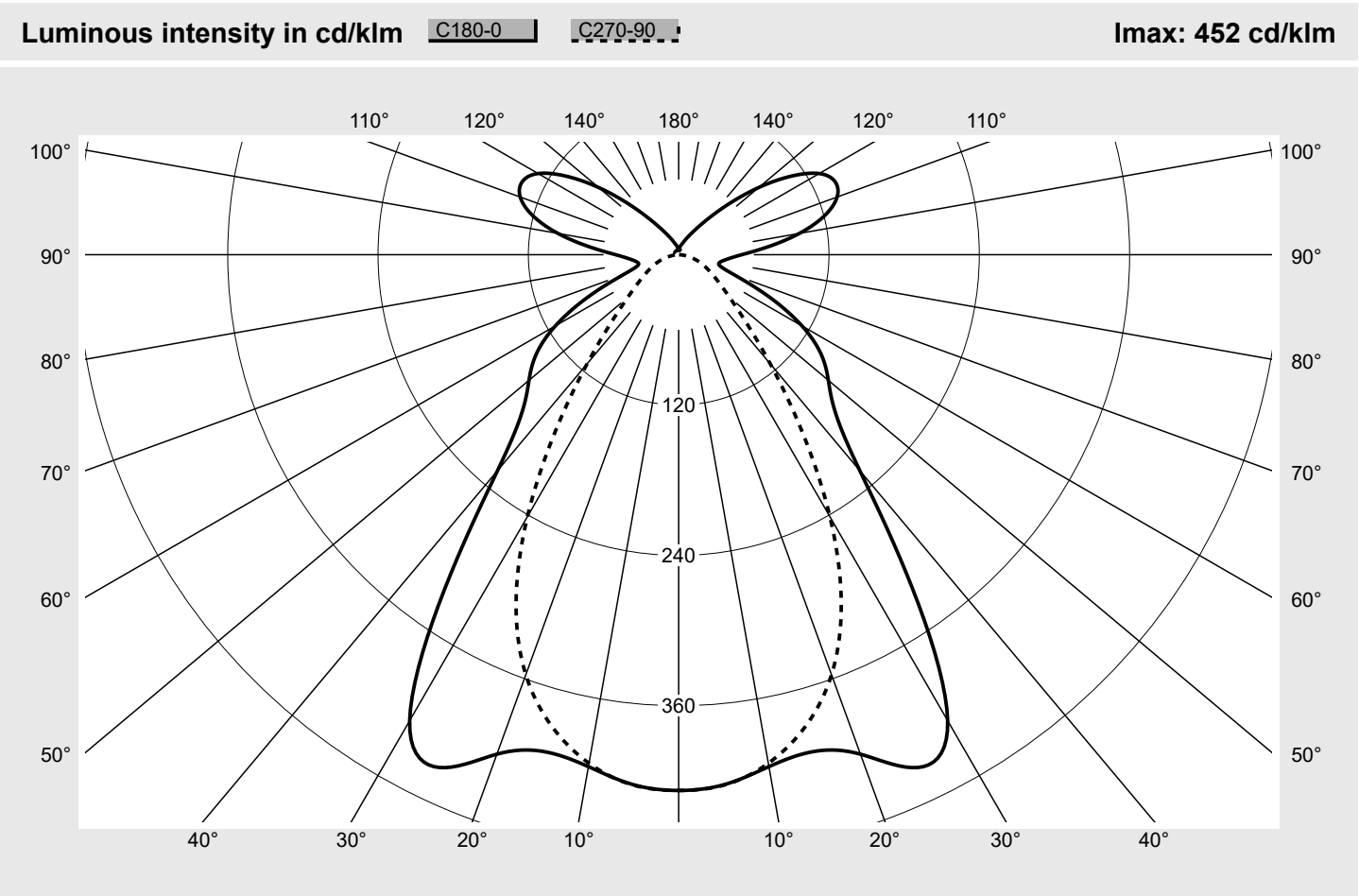
serial

documentation

13.11.2025

sit

eco



Classifications		Luminaire light output ratios	
DIN 5040	B 5 1	ηLB	100.0%
CIE	N1=65 N2=88 N3=96	φ _u	79.3%
	N4=79 N5=100	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	18.3	19.6	18.9	20.1	20.8	14.5	15.8	15.1	16.3	17.0
	3H	18.9	20.0	19.5	20.6	21.3	14.9	16.0	15.5	16.6	17.3
	4H	19.1	20.1	19.7	20.7	21.4	15.1	16.2	15.7	16.8	17.5
	6H	19.3	20.2	20.0	20.9	21.6	15.2	16.2	15.9	16.8	17.6
	8H	19.6	20.4	20.3	21.0	21.8	15.2	16.1	15.9	16.8	17.5
	12H	19.9	20.6	20.6	21.3	22.1	15.3	16.1	15.9	16.8	17.5
4H	2H	18.3	19.4	18.9	20.0	20.6	15.0	16.0	15.6	16.6	17.3
	3H	19.0	19.8	19.6	20.5	21.3	15.5	16.4	16.2	17.0	17.8
	4H	19.2	20.0	19.9	20.7	21.5	15.8	16.6	16.5	17.3	18.1
	6H	19.7	20.3	20.4	21.0	21.9	16.0	16.7	16.7	17.4	18.2
	8H	20.0	20.6	20.7	21.3	22.2	16.1	16.7	16.8	17.4	18.3
	12H	20.5	21.0	21.3	21.8	22.7	16.1	16.7	16.9	17.4	18.3
8H	4H	19.2	19.8	19.9	20.5	21.4	16.0	16.6	16.7	17.3	18.1
	6H	19.8	20.3	20.5	21.0	21.9	16.4	16.8	17.1	17.6	18.5
	8H	20.3	20.7	21.0	21.5	22.3	16.5	17.0	17.3	17.7	18.6
	12H	21.0	21.4	21.8	22.2	23.1	16.6	17.0	17.4	17.8	18.7
12H	4H	19.1	19.7	19.9	20.4	21.3	16.0	16.5	16.8	17.2	18.1
	6H	19.7	20.2	20.5	20.9	21.8	16.5	16.9	17.2	17.6	18.6
	8H	20.3	20.7	21.1	21.4	22.4	16.7	17.1	17.5	17.8	18.8

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°	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°	8931.2	8921.7	10433.5	12229.7	7359.8	5184.5	5029.2
	50°	8308.1	7754.4	7547.0	8922.8	5560.5	3929.9	3888.0
	55°	7871.4	7035.6	5814.1	6209.4	4279.4	3187.5	3259.7
	60°	6930.0	6115.8	4616.8	4397.1	3427.6	2724.5	2895.1
	65°	5306.8	4733.0	3626.9	3303.4	2876.7	2428.3	2673.1
	70°	3522.9	3257.2	2804.1	2661.5	2513.3	2213.0	2505.7
	75°	2843.3	2659.9	2357.0	2307.4	2284.6	2012.7	2308.4
	80°	3289.8	3063.7	2528.0	2181.5	2168.8	1839.6	2032.0
	85°	4626.2	4314.3	3459.1	2628.3	2198.9	1739.1	1730.1

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Luminance values in cd/m²

γ 65°

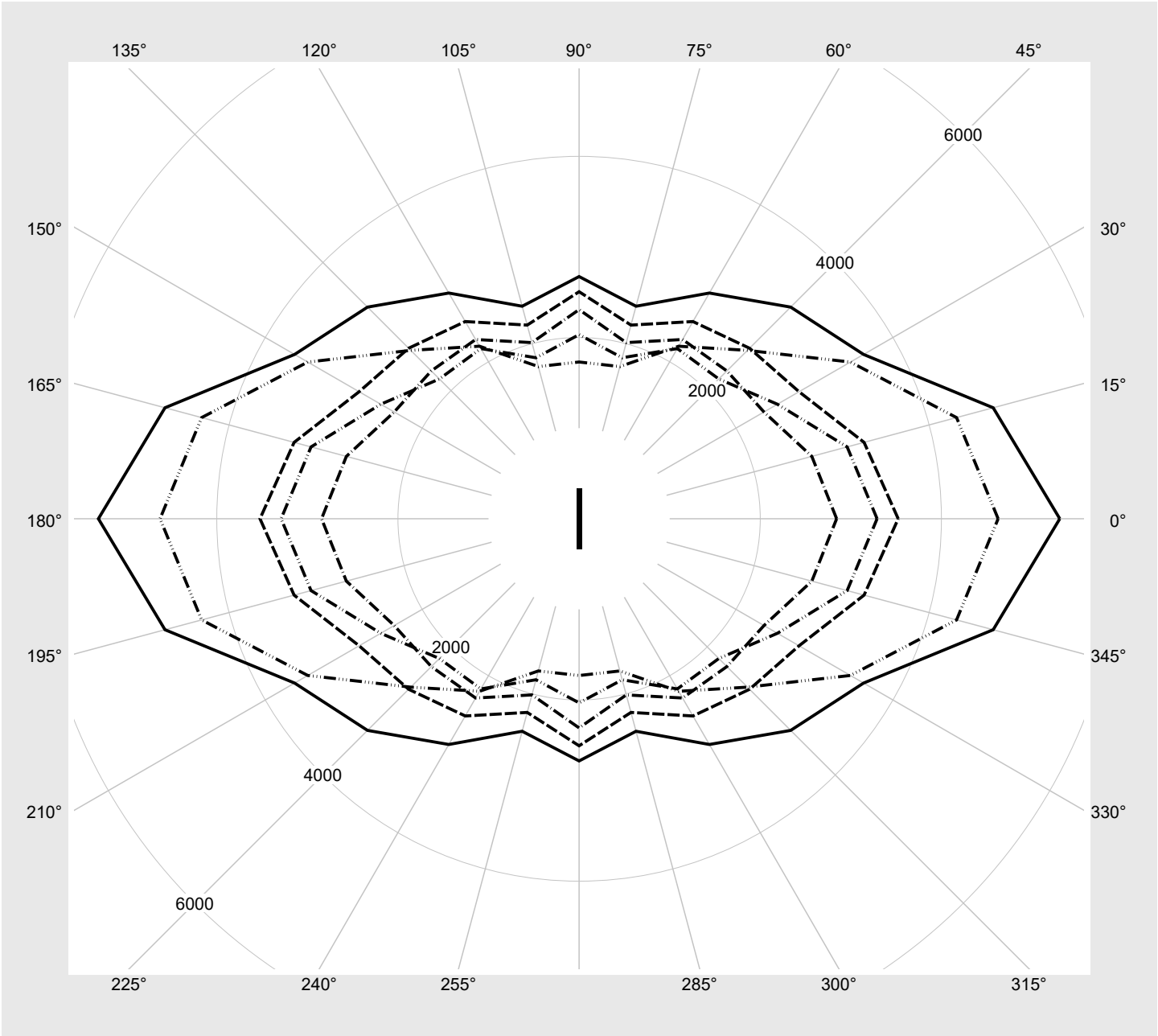
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table		environmental temperature: 25°C

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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	8000	44.1	46.5	45.3
95	240	252	7586	41.7	43.9	42.8
90	227	250	7200	39.5	41.6	40.6
85	214	248	6808	37.2	39.2	38.2
80	200	245	6387	34.9	36.5	35.7
75	187	243	5992	32.6	34.3	33.4
70	174	240	5596	30.4	32.0	31.2
65	161	237	5194	28.2	29.6	28.9
60	148	234	4790	26.0	27.3	26.6
55	136	231	4415	24.1	25.2	24.6
50	123	227	4007	21.9	23.0	22.4
45	110	223	3595	19.8	20.8	20.3
40	98	219	3213	17.8	18.7	18.2
35	85	214	2794	15.8	16.5	16.2
30	73	208	2406	13.9	14.4	14.2
25	60	201	1984	11.6	12.2	11.9
20	48	193	1591	9.7	10.1	9.9
15	36	182	1195	7.8	8.1	8.0
10	24	168	795	5.8	6.0	5.9
5	12	142	394	4.0	4.1	4.0
2	5	110	159	2.9	3.0	3.0