

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE18DN4C5ME
EAN: 4058352965214

LP number
58690_91



Version cover frosted, medium distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 12830 lm
Power consumption = 70.5 W
Luminous efficacy = 182 lm/W

serial
documentation
26.09.2023

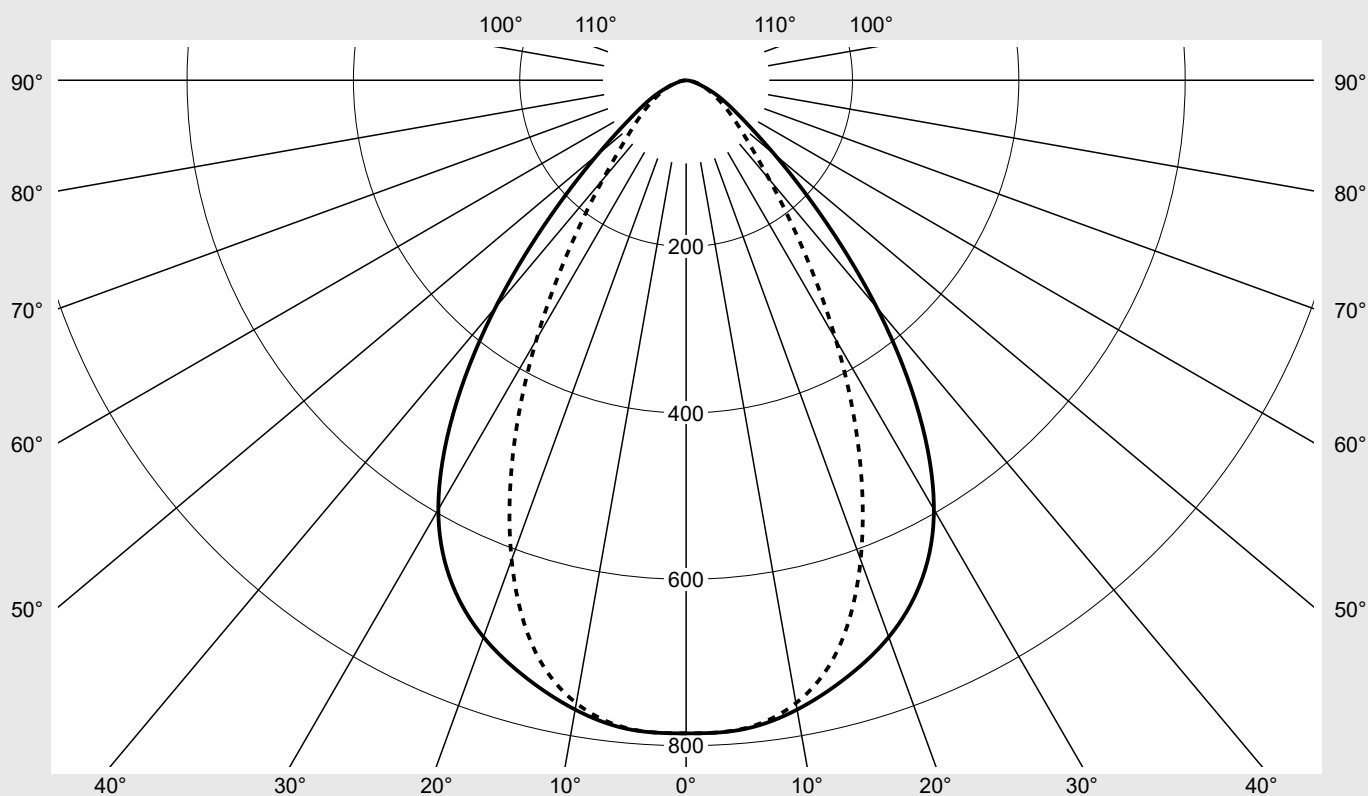
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Luminous intensity in cd/klm

C180-0

C270-90

Imax: 785 cd/klm



Classifications

DIN 5040 A 6 0
CIE N1=78 N2=94 N3=99
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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	4.7	4.7
5°	783.4	781.4	776.6	779.8	781.8	782.1	782.7	37.3	42.0
10°	768.3	766.7	761.5	762.8	763.5	761.1	760.4	72.7	114.7
15°	743.6	742.7	733.7	728.3	720.6	709.9	707.4	103.1	217.8
20°	712.4	708.4	691.4	669.5	643.5	621.3	613.4	124.9	342.7
25°	666.9	659.0	622.8	576.9	532.3	501.9	491.6	134.0	476.7
30°	595.9	578.6	522.8	456.8	403.1	370.2	359.8	128.3	605.0
35°	487.4	465.5	401.4	331.1	278.9	249.4	240.2	109.5	714.5
40°	356.6	334.8	278.6	220.0	182.5	161.7	155.6	84.2	798.7
45°	229.8	212.6	172.5	137.3	118.7	108.8	106.4	59.3	858.0
50°	138.7	127.9	104.9	89.6	83.6	79.2	78.2	41.5	899.6
55°	86.1	79.8	69.3	65.4	63.7	60.2	58.5	30.7	930.3
60°	57.8	53.9	50.5	51.8	50.6	46.1	43.1	24.0	954.3
65°	38.0	36.1	37.7	39.9	40.1	34.9	31.4	18.5	972.8
70°	21.9	21.5	24.3	28.4	29.8	25.8	22.4	13.0	985.8
75°	11.6	11.4	12.7	17.5	19.8	17.4	14.7	8.1	993.9
80°	5.8	5.7	6.1	8.6	10.9	9.9	8.2	4.3	998.3
85°	2.4	2.3	2.4	3.2	4.0	3.9	3.0	1.7	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	
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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	22.6	23.9	22.9	24.2	24.6	19.9	21.3	20.3	21.6	21.9
	3H	22.8	24.0	23.2	24.4	24.7	20.6	21.8	21.0	22.2	22.5
	4H	22.9	24.0	23.3	24.3	24.7	20.9	22.0	21.3	22.4	22.7
	6H	22.9	23.9	23.3	24.2	24.6	21.1	22.1	21.5	22.5	22.9
	8H	23.0	23.8	23.4	24.2	24.6	21.2	22.1	21.6	22.5	22.9
	12H	23.0	23.7	23.4	24.1	24.6	21.2	22.0	21.6	22.4	22.8
4H	2H	22.7	23.8	23.1	24.1	24.5	20.4	21.5	20.8	21.8	22.2
	3H	23.0	23.9	23.4	24.3	24.8	21.3	22.2	21.8	22.6	23.0
	4H	23.1	23.9	23.5	24.3	24.8	21.7	22.5	22.2	22.9	23.4
	6H	23.1	23.8	23.6	24.3	24.7	22.0	22.7	22.4	23.1	23.6
	8H	23.1	23.7	23.6	24.2	24.7	22.1	22.7	22.5	23.1	23.6
	12H	23.2	23.7	23.6	24.1	24.6	22.1	22.7	22.6	23.1	23.6
8H	4H	23.1	23.8	23.6	24.2	24.7	21.9	22.5	22.3	22.9	23.4
	6H	23.2	23.7	23.7	24.2	24.7	22.2	22.8	22.7	23.2	23.7
	8H	23.2	23.6	23.7	24.1	24.7	22.4	22.8	22.9	23.3	23.8
	12H	23.2	23.6	23.7	24.1	24.6	22.5	22.8	23.0	23.3	23.9
12H	4H	23.2	23.7	23.6	24.2	24.7	21.9	22.4	22.4	22.9	23.4
	6H	23.2	23.6	23.7	24.1	24.6	22.3	22.7	22.8	23.2	23.7
	8H	23.2	23.6	23.7	24.1	24.6	22.4	22.8	22.9	23.3	23.8

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:			L = 1500 B = 58	
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	47928.8	44347.1	35976.5	28626.4	24757.0	22685.7	22199.7
		31815.9	29348.2	24059.3	20559.4	19173.5	18169.7	17931.4
		22141.4	20509.8	17808.9	16827.2	16380.1	15472.3	15043.7
		17050.0	15897.4	14902.6	15263.6	14926.7	13609.8	12709.4
65° 70° 75° 80° 85°	γ	13249.9	12587.6	13141.0	13913.6	13975.7	12170.9	10961.8
		9457.9	9279.8	10460.8	12225.6	12850.8	11103.2	9644.6
		6631.2	6473.3	7260.2	9996.3	11260.1	9940.5	8395.8
		4941.8	4801.7	5197.4	7263.7	9221.2	8443.3	6929.9
		4118.4	3927.2	4118.4	5478.8	6773.2	6681.9	5132.0

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Luminance values in cd/m²

γ 65°

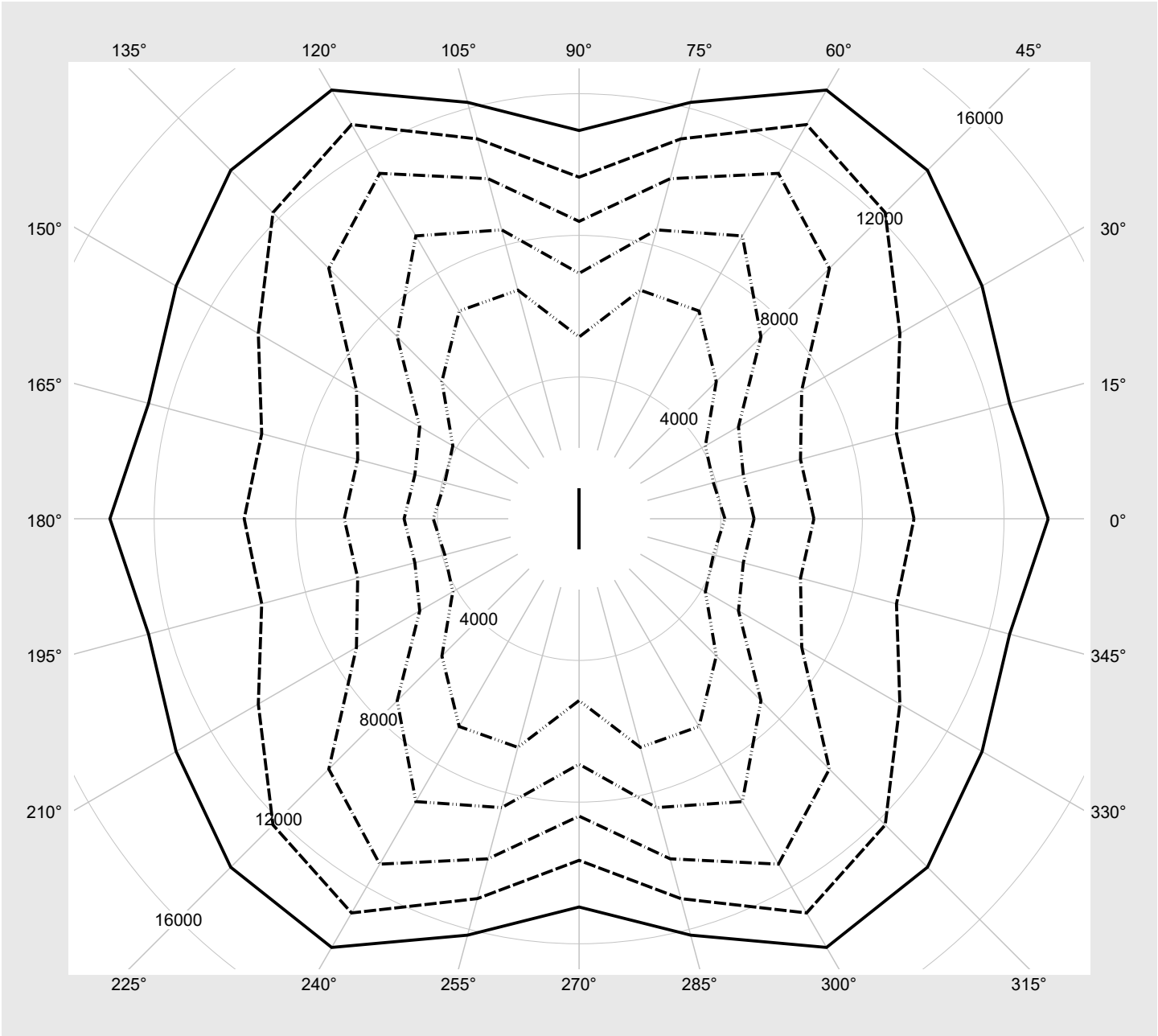
γ 70°

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]
100	254	254	12830	70.5
95	240	252	12166	66.5
90	227	250	11549	62.9
85	214	248	10926	59.3
80	200	245	10250	55.5
75	187	243	9620	51.9
70	174	240	8984	48.3
65	161	237	8341	44.7
60	148	234	7697	41.2
55	135	231	7046	37.9
50	123	227	6440	34.5
45	110	223	5779	31.2
40	97	219	5113	27.7
35	85	214	4491	24.6
30	73	208	3867	21.4
25	60	201	3188	18.1
20	48	193	2556	15.0
15	36	182	1918	11.7
10	24	168	1277	8.7
5	12	142	631	5.6
2	5	110	252	3.8