

Photometric test report

Family
Licross® 11 Recessed

Order number: 51TE18DV4L5M
EAN: 4058352965252

LP number
58690_88



Version cover frosted, medium distribution, high visual comfort
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG-DALI
Rated values Net luminous flux = 20760 lm
 Power consumption = 111.8 W
 Luminous efficacy = 185.7 lm/W

serial
documentation
21.09.2023

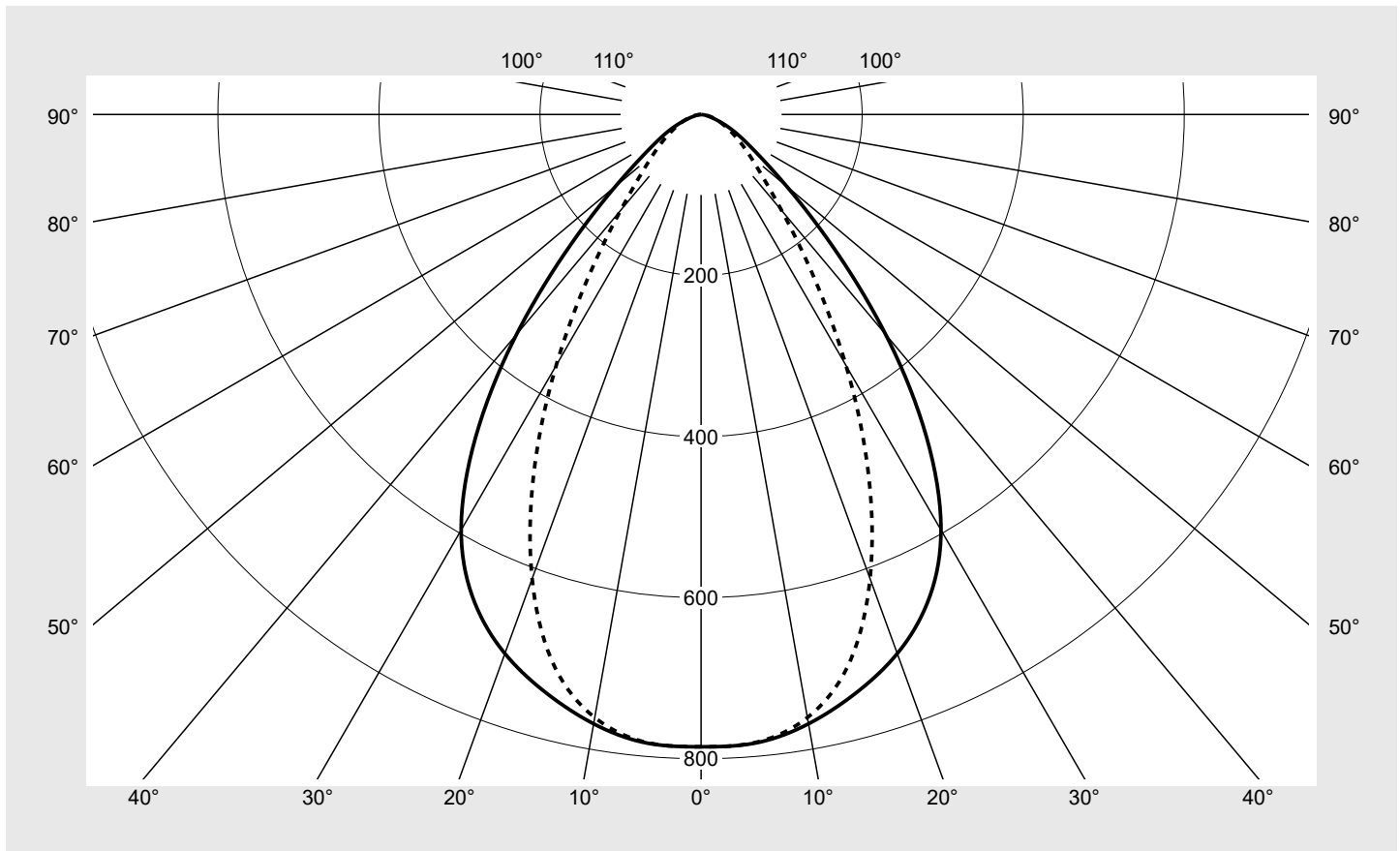
siteco

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	sITeco
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C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
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	siteco
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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	22.8	24.2	23.2	24.5	24.8	20.2	21.6	20.6	21.9	22.2
	3H	23.1	24.3	23.5	24.6	25.0	20.9	22.1	21.3	22.4	22.8
	4H	23.1	24.2	23.5	24.6	25.0	21.2	22.3	21.5	22.6	23.0
	6H	23.2	24.1	23.6	24.5	24.9	21.3	22.3	21.7	22.7	23.1
	8H	23.2	24.1	23.7	24.5	24.9	21.4	22.3	21.9	22.7	23.1
	12H	23.2	24.0	23.7	24.4	24.8	21.4	22.3	21.9	22.7	23.1
4H	2H	22.9	24.0	23.3	24.4	24.8	20.7	21.8	21.1	22.1	22.5
	3H	23.3	24.2	23.7	24.6	25.0	21.6	22.5	22.0	22.9	23.3
	4H	23.4	24.2	23.8	24.6	25.0	22.0	22.8	22.4	23.2	23.6
	6H	23.4	24.1	23.8	24.5	25.0	22.2	22.9	22.7	23.4	23.8
	8H	23.4	24.0	23.9	24.5	24.9	22.3	23.0	22.8	23.4	23.9
	12H	23.4	23.9	23.9	24.4	24.9	22.4	22.9	22.9	23.4	23.9
8H	4H	23.4	24.0	23.9	24.5	25.0	22.1	22.8	22.6	23.2	23.7
	6H	23.4	24.0	23.9	24.4	24.9	22.5	23.0	23.0	23.5	24.0
	8H	23.4	23.9	24.0	24.4	24.9	22.6	23.1	23.1	23.6	24.1
	12H	23.5	23.8	24.0	24.3	24.9	22.7	23.1	23.2	23.6	24.1
12H	4H	23.4	24.0	23.9	24.4	24.9	22.2	22.7	22.6	23.1	23.6
	6H	23.5	23.9	24.0	24.4	24.9	22.5	22.9	23.0	23.4	24.0
	8H	23.5	23.8	24.0	24.3	24.9	22.7	23.0	23.2	23.5	24.1

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250 B = 58
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C-planes	γ	Luminance in cd/m ²							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	45°	51701.9	47838.2	38808.6	30879.9	26706.0	24471.5	23947.3	
50°	50°	34320.5	31658.6	25953.3	22177.9	20682.8	19600.1	19343.0	
55°	55°	23884.4	22124.4	19210.8	18151.9	17669.6	16690.3	16227.9	
60°	60°	18392.2	17148.9	16075.7	16465.1	16101.8	14681.2	13709.9	
65°	65°	14292.9	13578.5	14175.5	15008.9	15075.9	13129.0	11824.7	
70°	70°	10202.4	10010.3	11284.3	13188.0	13862.4	11977.3	10403.8	
75°	75°	7153.2	6982.9	7831.7	10783.2	12146.5	10723.0	9056.7	
80°	80°	5330.8	5179.7	5606.6	7835.5	9947.1	9107.9	7475.4	
85°	85°	4442.6	4236.4	4442.6	5910.1	7306.5	7207.9	5536.0	

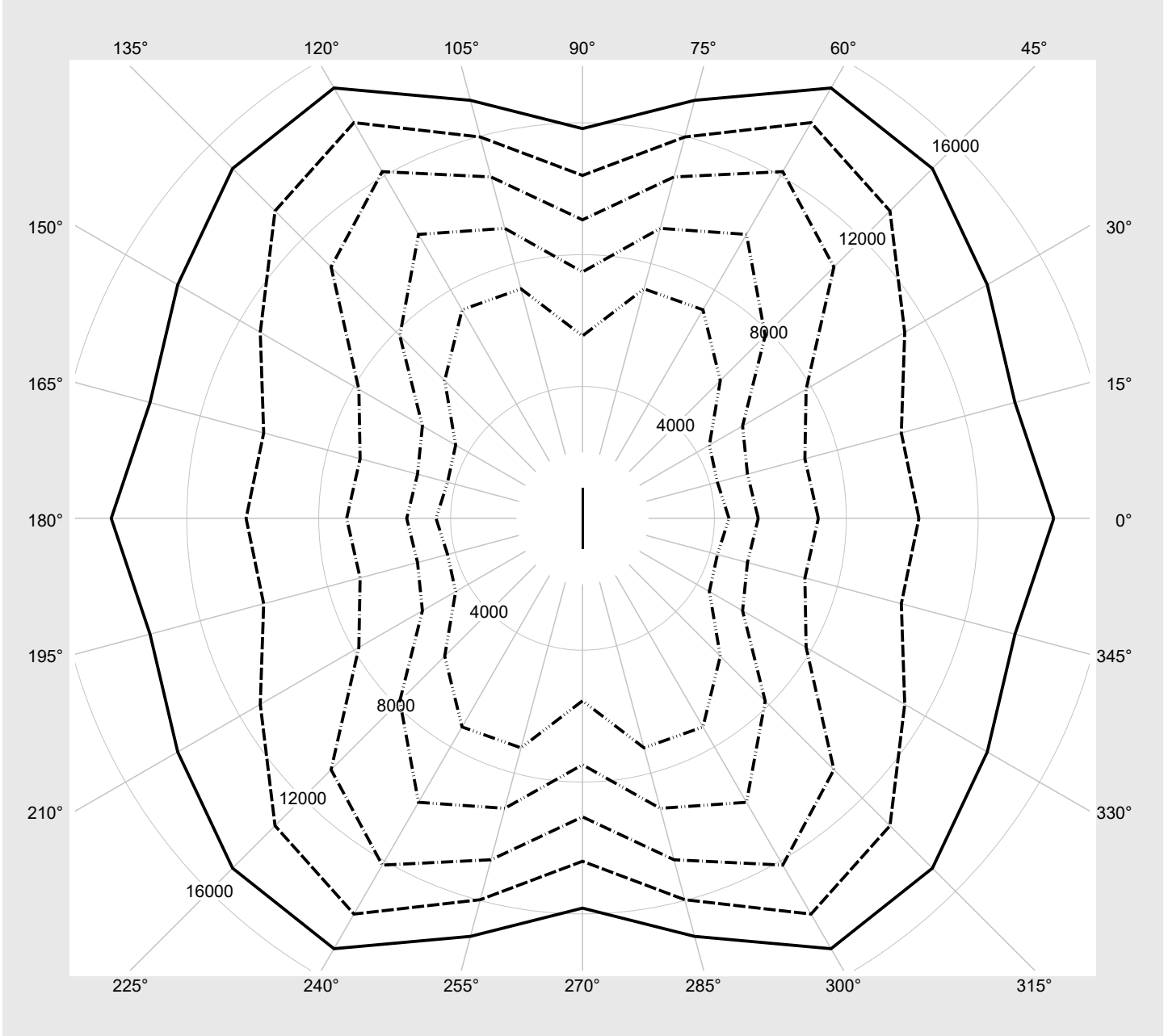
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	20760	111.8
95	240	252	19698	105.4
90	227	250	18702	99.6
85	213	248	17618	93.5
80	200	245	16607	87.8
75	187	243	15587	82.1
70	174	240	14562	76.4
65	161	237	13529	70.9
60	148	234	12484	65.2
55	135	231	11434	59.7
50	122	227	10371	54.1
45	109	223	9302	48.5
40	97	219	8305	43.3
35	85	214	7300	38.2
30	72	208	6204	32.7
25	60	201	5185	27.5
20	48	193	4155	22.3
15	36	182	3122	17.0
10	24	168	2081	11.6
5	12	142	1029	6.1
2	5	110	413	2.6