
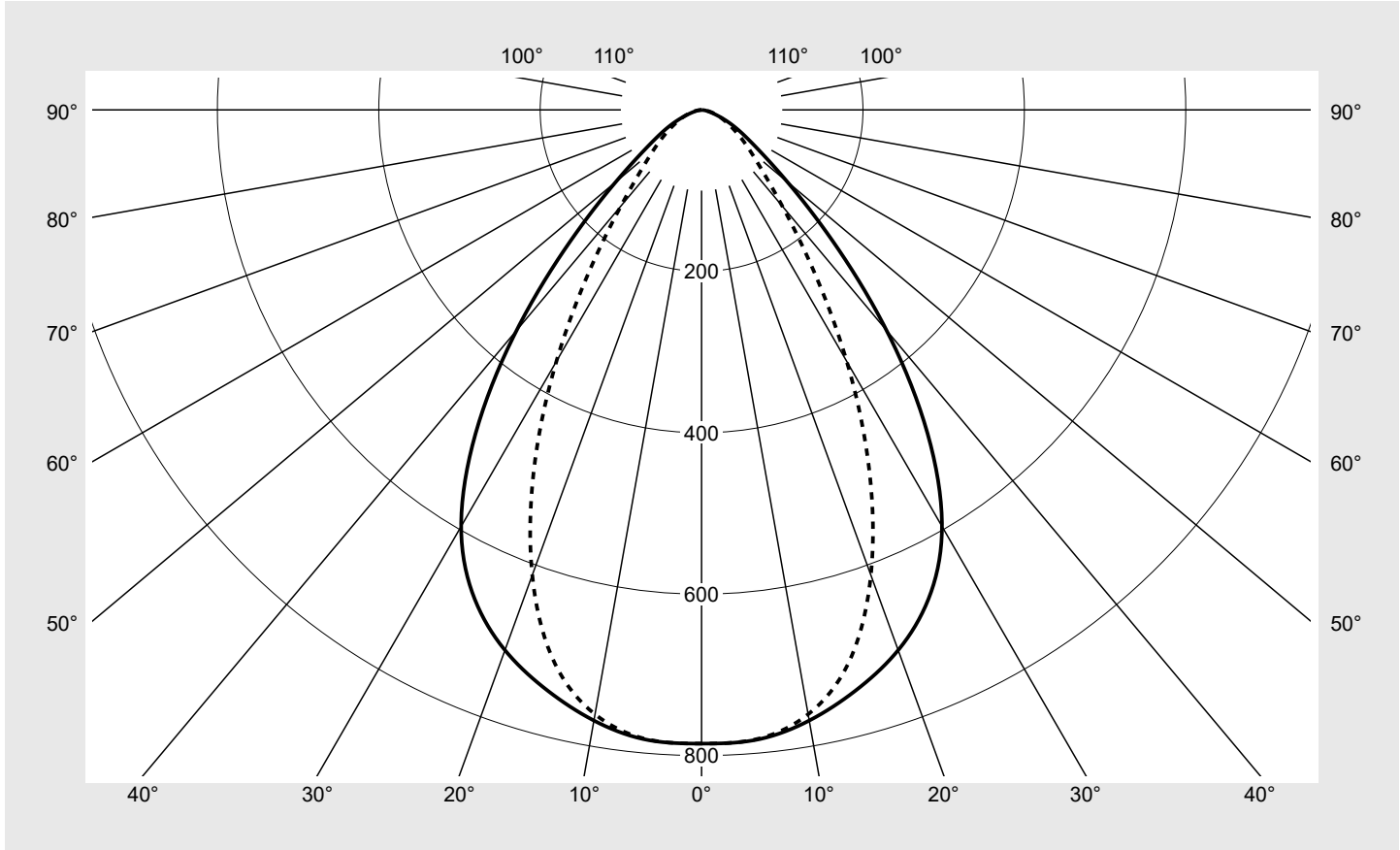


Photometric test report

Family Licross® 11 Recessed	Order number: 51TL18DV4M5L EAN: 4058352449080	LP number 58690_18
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 25960 lm Power consumption = 150.2 W Luminous efficacy = 172.8 lm/W	serial documentation 28.09.2020 

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

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	23.6	25.0	24.0	25.3	25.6	21.0	22.3	21.3	22.7	23.0
	3H	23.9	25.1	24.3	25.4	25.8	21.7	22.9	22.0	23.2	23.6
	4H	23.9	25.0	24.3	25.4	25.7	21.9	23.1	22.3	23.4	23.8
	6H	23.9	24.9	24.3	25.3	25.7	22.1	23.1	22.5	23.5	23.9
	8H	24.0	24.9	24.4	25.2	25.7	22.2	23.1	22.6	23.5	23.9
	12H	24.0	24.8	24.4	25.2	25.6	22.2	23.1	22.6	23.5	23.9
4H	2H	23.7	24.8	24.1	25.2	25.5	21.4	22.5	21.8	22.9	23.3
	3H	24.1	25.0	24.5	25.4	25.8	22.4	23.3	22.8	23.7	24.1
	4H	24.1	25.0	24.6	25.4	25.8	22.8	23.6	23.2	24.0	24.4
	6H	24.2	24.9	24.6	25.3	25.8	23.0	23.7	23.5	24.2	24.6
	8H	24.2	24.8	24.6	25.2	25.7	23.1	23.7	23.6	24.2	24.7
	12H	24.2	24.7	24.7	25.2	25.7	23.2	23.7	23.6	24.2	24.7
8H	4H	24.2	24.8	24.7	25.3	25.7	22.9	23.5	23.4	24.0	24.5
	6H	24.2	24.7	24.7	25.2	25.7	23.3	23.8	23.8	24.3	24.8
	8H	24.2	24.7	24.7	25.2	25.7	23.4	23.9	23.9	24.3	24.9
	12H	24.2	24.6	24.8	25.1	25.7	23.5	23.9	24.0	24.4	24.9
12H	4H	24.2	24.7	24.7	25.2	25.7	22.9	23.4	23.4	23.9	24.4
	6H	24.2	24.7	24.7	25.2	25.7	23.3	23.7	23.8	24.2	24.7
	8H	24.2	24.6	24.8	25.1	25.7	23.4	23.8	24.0	24.3	24.9

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°	64652.3	59820.8	48529.5	38614.7	33395.3	30601.2	29945.7	
	50°	42917.2	39588.5	32454.1	27733.1	25863.5	24509.6	24188.0	
	55°	29867.0	27666.1	24022.8	22698.6	22095.5	20870.9	20292.7	
	60°	22999.2	21444.4	20102.4	20589.4	20135.0	18358.6	17143.9	
	65°	17873.0	16979.6	17726.2	18768.3	18852.1	16417.6	14786.6	
	70°	12757.9	12517.7	14110.8	16491.4	17334.7	14977.4	13009.8	
	75°	8944.9	8732.0	9793.4	13484.2	15189.0	13408.9	11325.3	
	80°	6666.1	6477.1	7010.9	9798.1	12438.7	11389.3	9347.9	
	85°	5555.4	5297.5	5555.4	7390.5	9136.6	9013.3	6922.6	

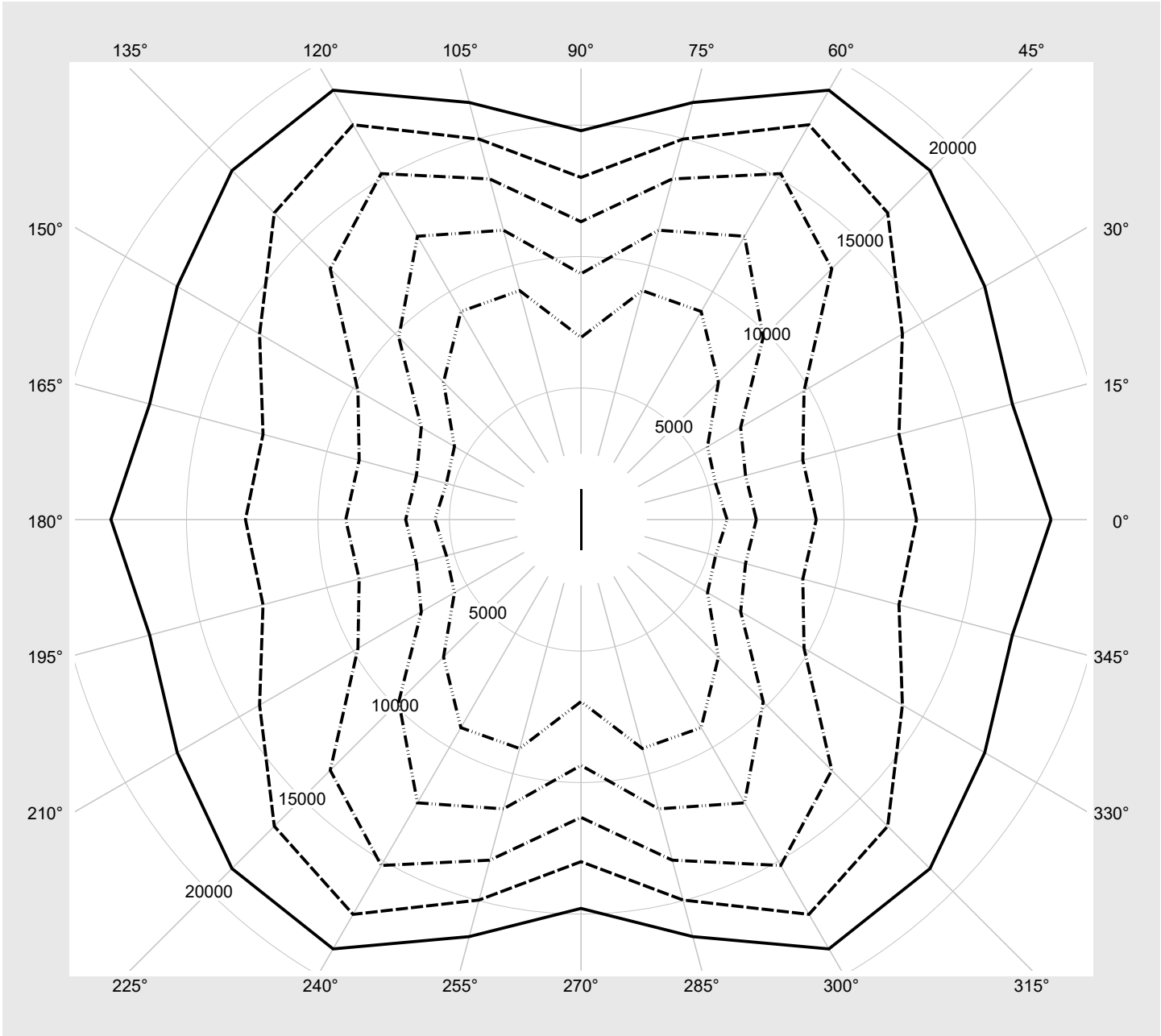
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Luminance values in cd/m²

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	25960	150.2
95	240	252	24647	141.6
90	227	250	23410	133.6
85	213	248	22069	125.0
80	200	245	20804	117.1
75	186	243	19428	108.7
70	173	240	18135	100.9
65	160	237	16831	93.2
60	148	234	15614	86.2
55	135	231	14288	78.6
50	122	227	12955	71.1
45	110	223	11709	63.9
40	97	219	10344	56.6
35	85	214	9074	49.8
30	73	208	7793	43.0
25	61	202	6501	36.2
20	49	194	5198	29.5
15	37	183	3890	22.8
10	25	169	2567	16.2
5	14	148	1346	10.1
1	4	102	228	4.6