

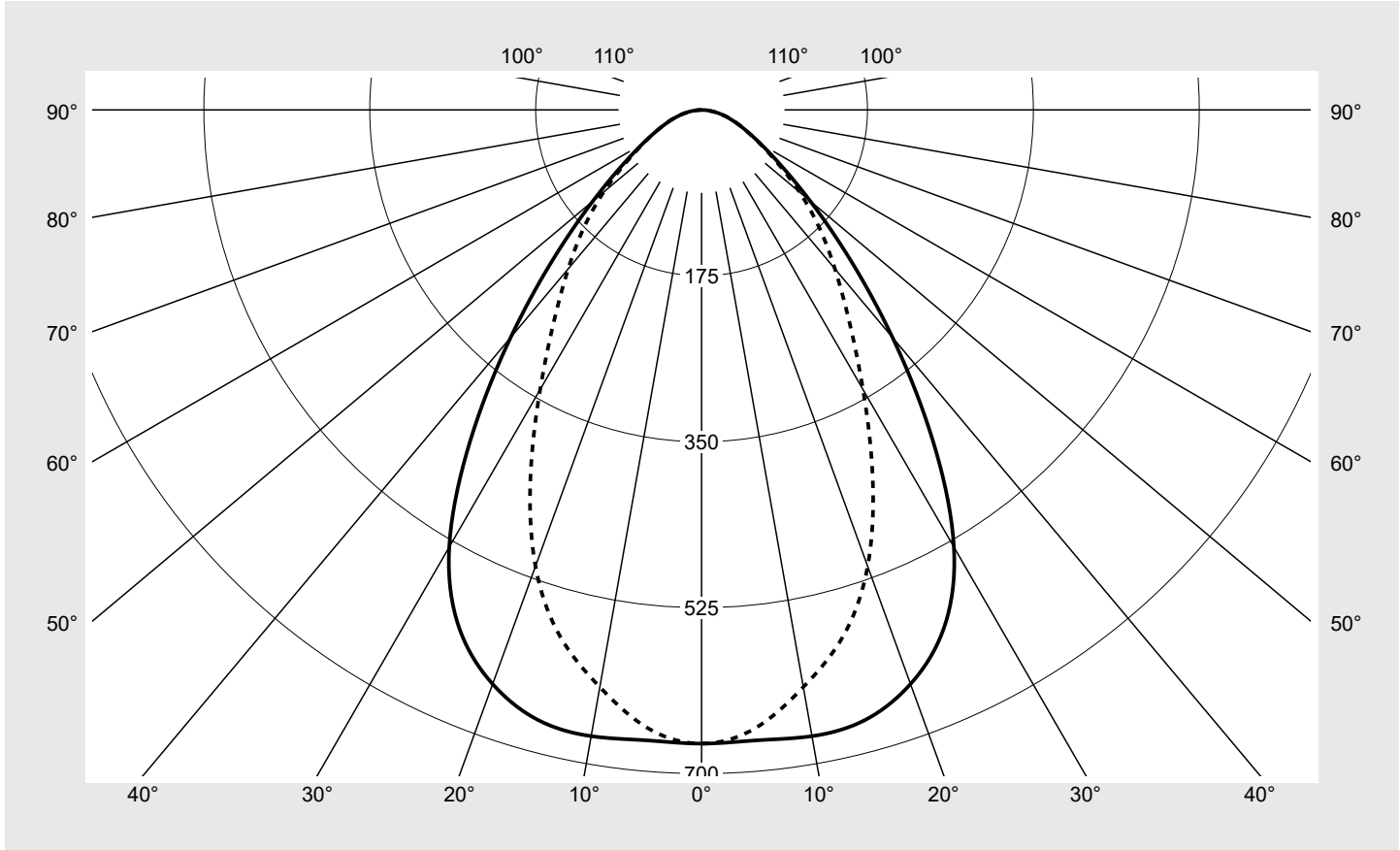


Photometric test report

Family Licross® 21 Recessed	Order number: 52TL12DV4FXG3S4 EAN: 4058352908242	LP number 59101_320
	Version cover frosted, wide distribution, high visual comfort Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting AC-mode Rated values Net luminous flux = 15420 lm Power consumption = 89.1 W Luminous efficacy = 173.1 lm/W	serial documentation 17.08.2023 

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 671 cd/klm**



Classifications	
DIN 5040	A 6 0
CIE	N1=72 N2=92 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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	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	21.8	23.3	22.2	23.6	23.9	21.8	23.2	22.1	23.5	23.8
	3H	22.4	23.7	22.8	24.0	24.4	22.6	23.8	22.9	24.2	24.5
	4H	22.7	23.9	23.1	24.2	24.6	22.9	24.1	23.3	24.4	24.8
	6H	23.0	24.0	23.4	24.4	24.8	23.2	24.2	23.6	24.6	25.0
	8H	23.1	24.1	23.6	24.5	24.9	23.3	24.3	23.7	24.7	25.1
	12H	23.2	24.1	23.6	24.5	24.9	23.3	24.2	23.8	24.6	25.1
4H	2H	22.0	23.2	22.4	23.5	23.9	22.0	23.2	22.4	23.5	23.9
	3H	22.7	23.7	23.1	24.0	24.5	22.9	23.9	23.4	24.3	24.7
	4H	23.0	23.9	23.5	24.3	24.7	23.4	24.3	23.8	24.7	25.1
	6H	23.3	24.1	23.8	24.5	25.0	23.7	24.5	24.2	24.9	25.4
	8H	23.5	24.2	24.0	24.6	25.1	23.9	24.5	24.3	25.0	25.5
	12H	23.6	24.2	24.1	24.6	25.1	24.0	24.5	24.4	25.0	25.5
8H	4H	23.1	23.8	23.6	24.2	24.7	23.4	24.1	23.9	24.6	25.0
	6H	23.5	24.0	23.9	24.5	25.0	23.9	24.4	24.4	24.9	25.4
	8H	23.6	24.1	24.1	24.6	25.1	24.0	24.5	24.5	25.0	25.5
	12H	23.8	24.2	24.3	24.7	25.2	24.2	24.6	24.7	25.1	25.6
12H	4H	23.1	23.7	23.6	24.2	24.7	23.5	24.0	23.9	24.5	25.0
	6H	23.5	23.9	24.0	24.4	25.0	23.9	24.3	24.4	24.8	25.4
	8H	23.6	24.0	24.2	24.5	25.1	24.1	24.5	24.6	25.0	25.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2250
			B = 58

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°		36632.7	33479.1	29355.8	28597.5	30379.5	30864.3	29331.1	
50°		27516.0	24370.3	20700.8	21380.0	24447.9	26768.3	24789.8	
55°		21149.9	18360.6	15392.5	16794.3	20205.0	22238.1	20199.8	
60°		17105.4	14683.4	12125.2	13788.0	16960.1	18081.2	16773.9	
65°		14567.3	12398.5	10050.8	11637.8	14384.2	15141.3	14553.4	
70°		12981.4	10945.8	8534.7	10037.6	12287.3	13266.8	13233.2	
75°		11869.6	9722.9	7411.0	8664.2	10459.8	11806.1	12231.6	
80°		10947.9	8535.0	6279.3	7107.4	8592.2	10104.2	10711.8	
85°		9494.3	7312.9	5164.0	5568.0	6545.5	7665.4	7914.8	

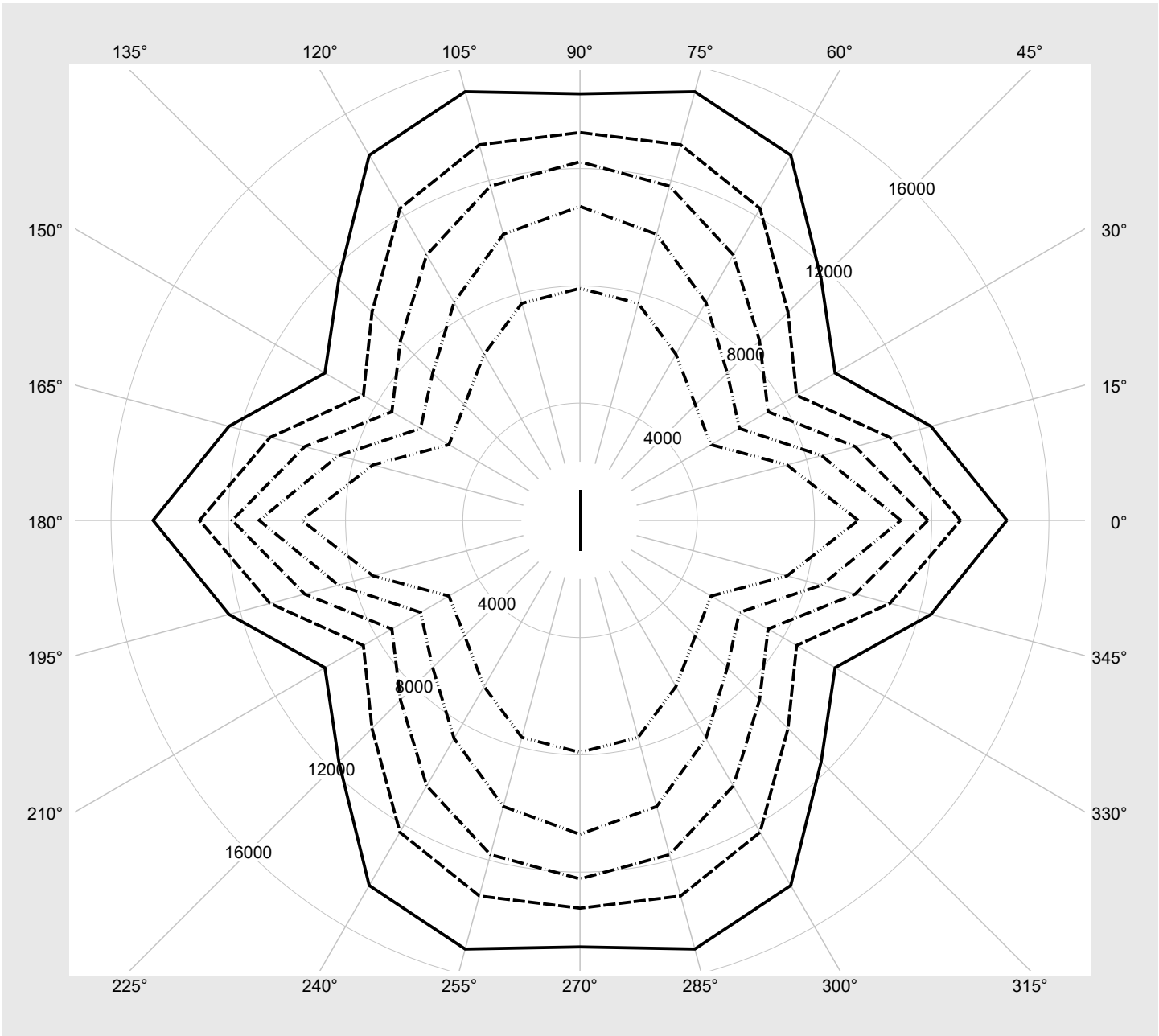
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

siteco



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	15420	89.1
95	240	252	14644	84.5
90	226	250	13858	79.9
85	213	248	13119	75.5
80	199	245	12316	70.8
75	186	243	11558	66.5
70	173	240	10797	62.1
65	160	237	10030	57.8
60	147	234	9255	53.5
55	134	231	8471	49.2
50	122	227	7739	45.2
45	109	223	6940	41.1
40	97	219	6198	37.2
35	84	213	5386	33.0
30	72	208	4628	29.1
25	60	201	3866	25.3
20	48	193	3098	21.2
15	36	182	2325	17.1
10	24	168	1547	12.8
5	12	142	764	8.2
2	4	102	236	5.2