

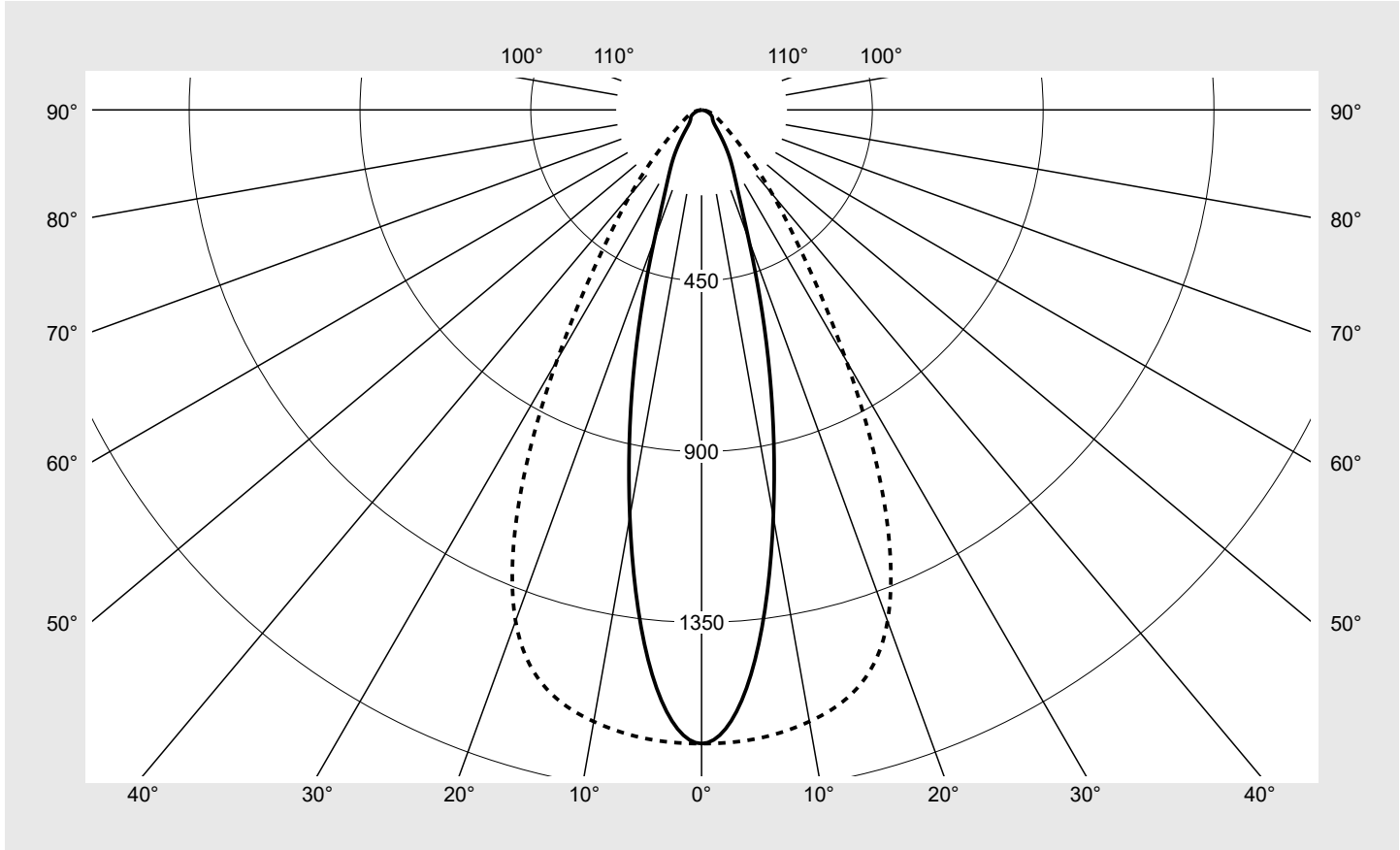


# Photometric test report

<b>Family</b> <b>Licross® 21 Recessed</b>	<b>Order number: 52TL1EDN455G</b> <b>EAN: 4058352887110</b>	<b>LP number</b> <b>59263_80</b>
	<b>Version</b> cover frosted, elliptical narrow distribution <b>Lamps</b> LED 4000 K   CRI ≥ 80 <b>Controlgear</b> ECG-DALI <b>Rated values</b> Net luminous flux = 5800 lm Power consumption = 32.4 W Luminous efficacy = 179 lm/W	<b>serial documentation</b> <b>03.08.2023</b>
		

Luminous intensity in cd/klm C180-0 C270-90 **Imax: 1670 cd/klm**



Classifications	
DIN 5040	A 7 0
CIE	N1=85 N2=95 N3=99 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

**Measurement conditions**  
DIN EN 13032 and DIN 5032

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	1669.5	10.0	10.0
5°	1493.3	1495.6	1516.6	1565.9	1616.3	1649.8	1662.9	75.0	85.0
10°	1088.5	1106.7	1175.0	1303.4	1460.6	1586.1	1636.2	126.8	211.8
15°	678.3	712.7	825.0	1006.5	1239.9	1474.8	1578.7	151.0	362.9
20°	362.1	388.9	492.0	707.6	980.6	1275.8	1432.9	148.2	511.0
25°	217.8	231.1	285.8	436.7	705.9	972.9	1137.5	127.8	638.8
30°	151.3	158.5	185.3	264.1	455.8	646.3	761.7	99.0	737.8
35°	95.4	107.0	131.3	171.8	268.4	391.1	463.8	70.7	808.5
40°	57.7	64.5	93.9	120.6	157.9	239.7	291.4	50.0	858.5
45°	43.5	45.9	58.2	86.3	99.5	145.4	176.9	35.2	893.7
50°	37.7	39.0	42.8	61.0	68.3	89.3	109.1	26.2	919.9
55°	34.6	35.0	36.7	43.5	50.5	59.6	73.7	20.9	940.8
60°	30.2	31.1	32.8	34.2	38.6	42.0	53.5	17.5	958.3
65°	23.9	25.4	29.1	28.1	30.1	30.8	41.3	14.6	972.8
70°	17.0	18.4	22.5	23.3	23.4	22.7	30.8	11.5	984.3
75°	10.9	12.0	16.2	17.9	17.4	15.7	20.7	8.4	992.7
80°	6.2	6.7	9.0	10.7	11.0	9.3	11.6	5.0	997.7
85°	3.1	3.3	4.2	5.0	4.8	3.9	4.2	2.3	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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Family <b>Licross® 21 Recessed</b>	Order number: <b>52TL1EDN455G</b> EAN: <b>4058352887110</b>	LP number <b>59263_80</b>
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UGR-Table	Standard room	<b>siteco</b>	
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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	13.3	14.5	13.6	14.8	15.1	18.3	19.5	18.6	19.8	20.1
	3H	14.4	15.5	14.8	15.9	16.2	18.8	19.9	19.2	20.2	20.6
	4H	14.8	15.8	15.2	16.2	16.6	19.1	20.1	19.5	20.4	20.8
	6H	15.0	16.0	15.4	16.3	16.7	19.3	20.2	19.8	20.6	21.0
	8H	15.2	16.0	15.6	16.4	16.8	19.5	20.2	19.9	20.6	21.0
	12H	15.2	16.0	15.7	16.4	16.8	19.5	20.2	20.0	20.6	21.0
4H	2H	14.1	15.0	14.5	15.4	15.8	18.2	19.3	18.6	19.6	20.0
	3H	15.5	16.3	15.9	16.7	17.1	19.0	19.8	19.4	20.2	20.6
	4H	16.0	16.8	16.5	17.2	17.6	19.3	20.1	19.8	20.5	20.9
	6H	16.3	17.0	16.8	17.4	17.9	19.6	20.3	20.1	20.7	21.2
	8H	16.4	17.0	16.9	17.4	17.9	19.8	20.3	20.2	20.8	21.2
	12H	16.5	17.0	17.0	17.5	18.0	19.8	20.3	20.3	20.7	21.2
8H	4H	16.5	17.0	17.0	17.5	18.0	19.4	20.0	19.9	20.5	20.9
	6H	17.0	17.4	17.5	17.9	18.4	19.8	20.3	20.3	20.8	21.3
	8H	17.1	17.5	17.6	18.0	18.5	20.0	20.4	20.5	20.9	21.4
	12H	17.2	17.6	17.7	18.1	18.6	20.1	20.4	20.6	20.9	21.4
12H	4H	16.5	17.0	17.0	17.5	18.0	19.4	19.9	19.9	20.4	20.9
	6H	17.0	17.4	17.6	17.9	18.4	19.8	20.2	20.3	20.7	21.3
	8H	17.2	17.6	17.8	18.1	18.6	20.0	20.4	20.5	20.9	21.4

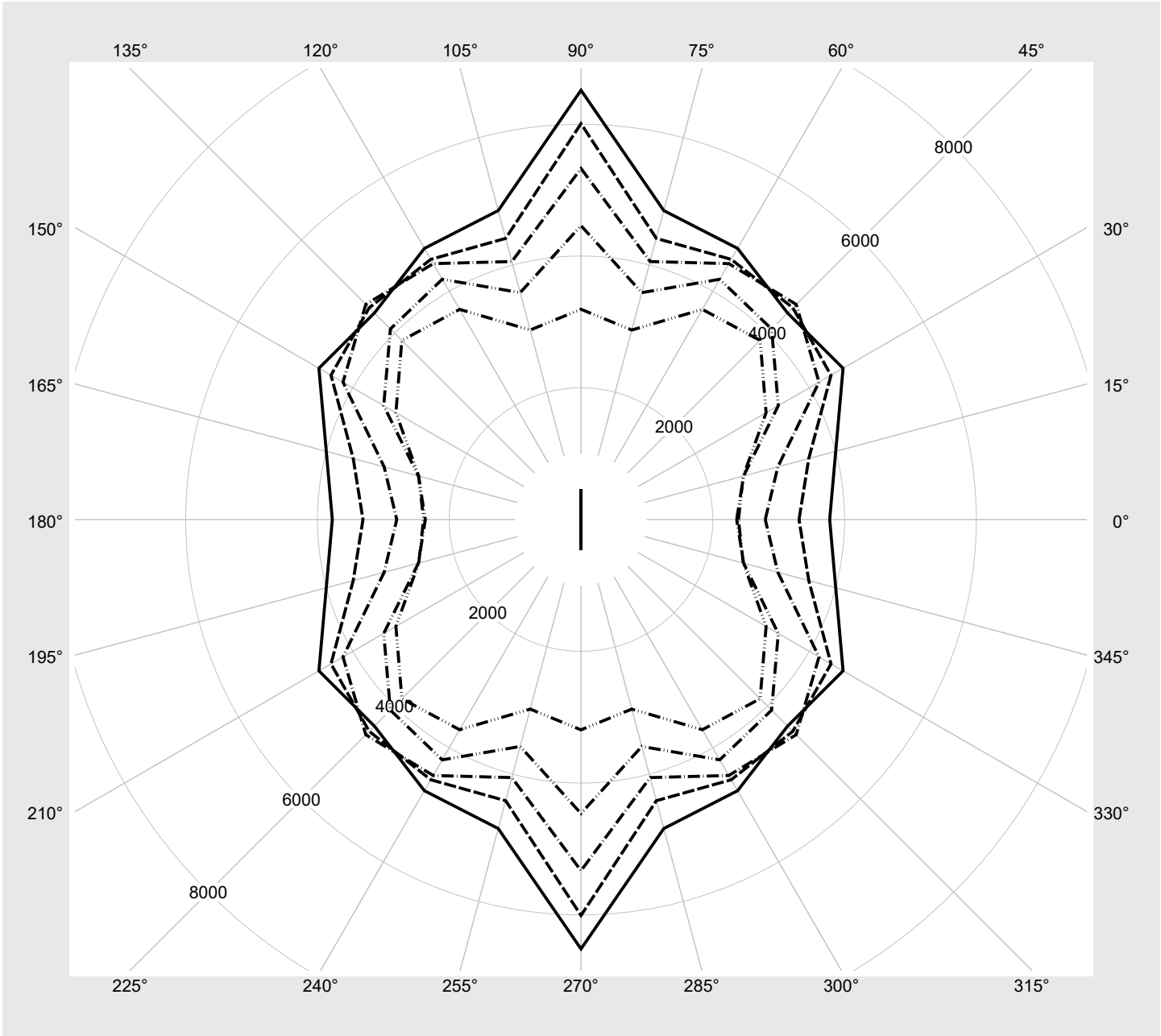
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 1500 B = 58
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C-planes	$\gamma$	Luminance in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		4100.2	4325.1	5482.6	8134.4	9384.2	13708.4	16682.1	
50°		3914.1	4042.8	4438.7	6330.2	7084.9	9264.9	11319.0	
55°		4017.1	4065.8	4268.0	5053.1	5871.6	6930.3	8568.3	
60°		4020.8	4152.9	4375.3	4563.6	5145.7	5597.5	7132.3	
65°		3774.6	4002.7	4593.1	4434.1	4752.9	4855.3	6517.2	
70°		3309.2	3579.3	4381.6	4545.9	4560.4	4418.3	6009.0	
75°		2796.5	3093.3	4171.3	4619.2	4485.8	4054.6	5329.1	
80°		2362.6	2555.0	3457.6	4091.4	4211.6	3565.8	4461.1	
85°		2390.4	2549.5	3244.0	3845.2	3683.8	2978.6	3192.0	

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**Luminance values in cd/m<sup>2</sup>**       γ 65°     γ 70°     γ 75°     γ 80°     γ 85°



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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>sITeco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	5800	32.4
95	241	252	5516	30.8
90	228	250	5230	29.1
85	215	248	4941	27.6
80	201	245	4631	26.0
75	188	243	4339	24.5
70	175	240	4049	23.0
65	163	238	3776	21.5
60	150	235	3483	20.0
55	137	231	3185	18.3
50	125	228	2912	16.8
45	112	224	2612	15.2
40	99	219	2310	13.5
35	87	215	2033	11.9
30	74	209	1730	11.0
25	62	202	1451	9.5
20	50	194	1167	8.1
15	37	183	863	6.5
14	35	181	816	6.3