

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 21 Recessed**

**Bestell-Nr.: 52TL1EDE445G**  
**EAN: 4058352891704**

**LP-Nummer**  
**59263\_71**



**Ausführung** Abdeckung satiniert, elliptisch eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 4970 lm  
 Systemleistung = 29.9 W  
 Lichtausbeute = 166.2 lm/W

**Seriendokumentation**  
**02.08.2023**

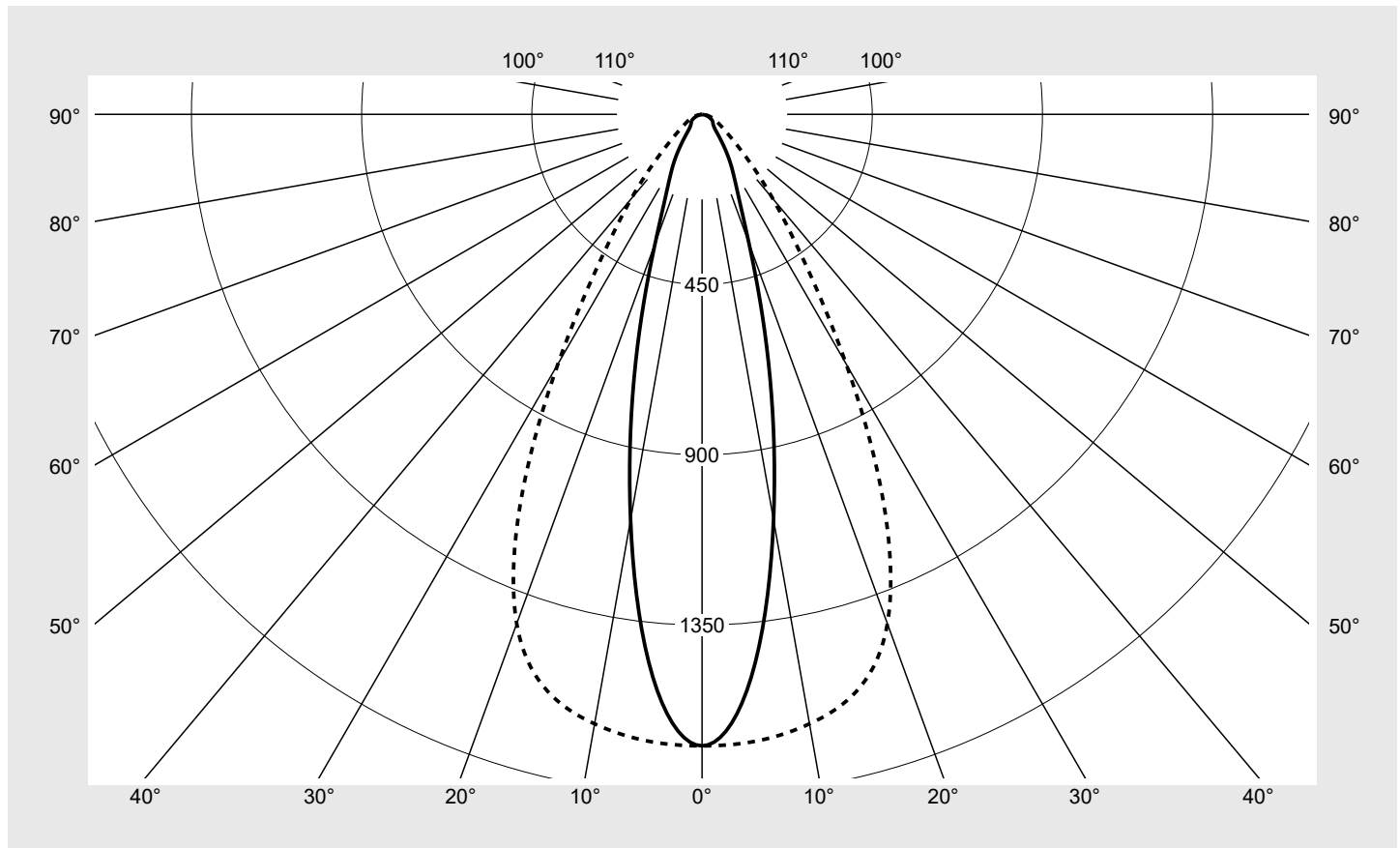
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 1670 cd/klm**



**Klassifizierungen**

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

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  100,0%  
 $\phi_o$  0,0%

**Messbedingungen**

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sITeco</b>

C- Ebenen	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-Zone	Summe Phi-Zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Lichtstärke in cd/klm								Lichtstrom 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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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	15,1	16,4	15,5	16,7	17,0	20,1	21,4	20,5	21,7	22,0
	3H	16,3	17,4	16,7	17,7	18,1	20,7	21,8	21,1	22,1	22,5
	4H	16,7	17,7	17,1	18,1	18,4	21,0	22,0	21,4	22,3	22,7
	6H	16,9	17,8	17,3	18,2	18,6	21,2	22,1	21,6	22,4	22,8
	8H	17,1	17,9	17,5	18,3	18,7	21,4	22,1	21,8	22,5	22,9
	12H	17,1	17,9	17,5	18,3	18,7	21,4	22,1	21,8	22,5	22,9
4H	2H	16,0	16,9	16,4	17,3	17,6	20,1	21,2	20,5	21,5	21,9
	3H	17,4	18,2	17,8	18,6	19,0	20,8	21,7	21,3	22,1	22,5
	4H	17,9	18,6	18,3	19,0	19,5	21,2	22,0	21,7	22,4	22,8
	6H	18,2	18,8	18,6	19,3	19,7	21,5	22,1	22,0	22,6	23,0
	8H	18,3	18,9	18,8	19,3	19,8	21,6	22,2	22,1	22,6	23,1
	12H	18,4	18,9	18,9	19,3	19,8	21,7	22,2	22,2	22,6	23,1
8H	4H	18,4	18,9	18,8	19,4	19,8	21,3	21,9	21,8	22,3	22,8
	6H	18,8	19,3	19,3	19,7	20,3	21,7	22,2	22,2	22,6	23,2
	8H	19,0	19,4	19,5	19,9	20,4	21,8	22,3	22,4	22,7	23,3
	12H	19,1	19,4	19,6	19,9	20,5	21,9	22,3	22,5	22,8	23,3
12H	4H	18,4	18,9	18,9	19,3	19,8	21,3	21,8	21,8	22,3	22,8
	6H	18,9	19,3	19,4	19,8	20,3	21,7	22,1	22,2	22,6	23,1
	8H	19,1	19,5	19,6	20,0	20,5	21,9	22,2	22,4	22,7	23,3

## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

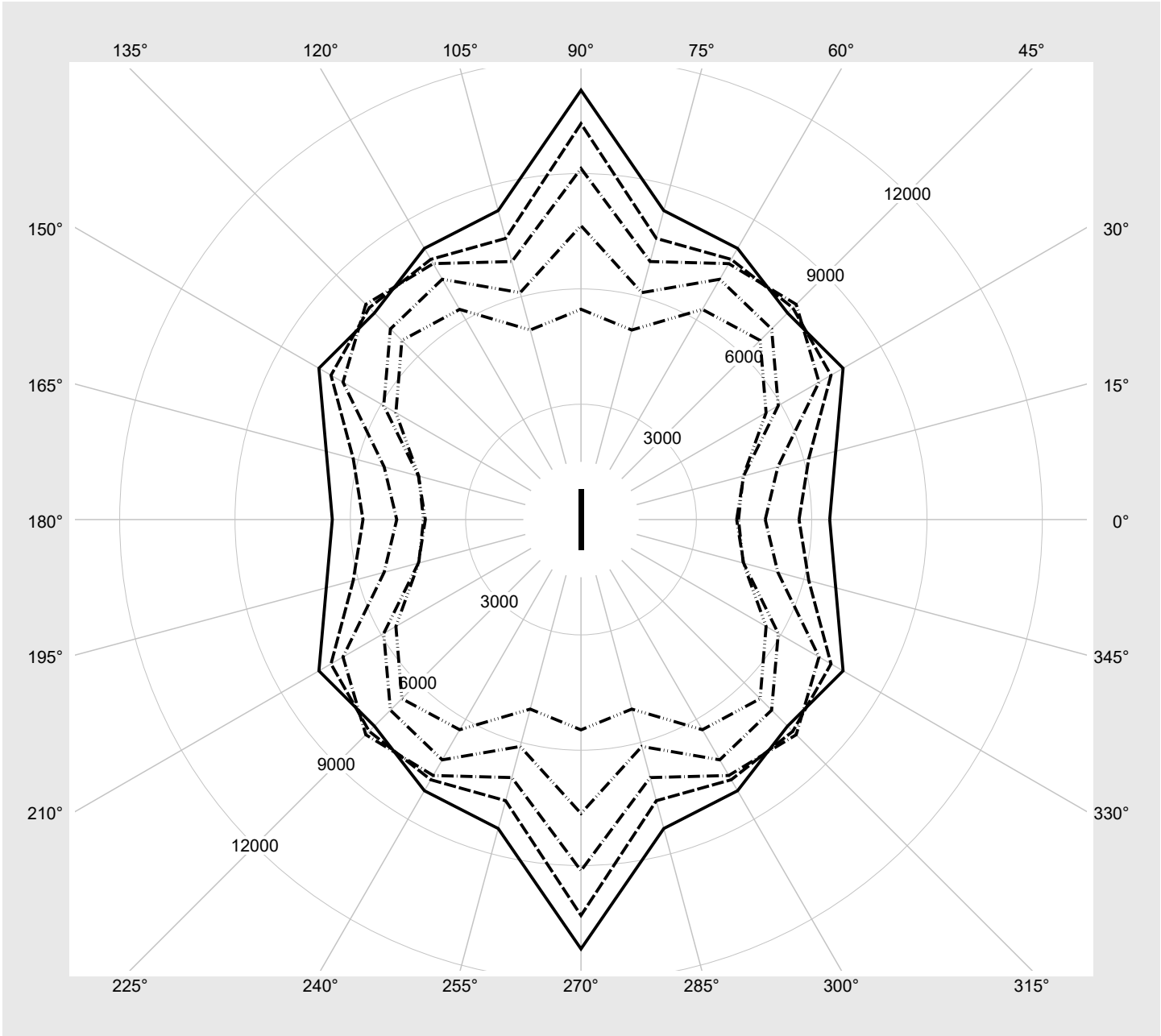
Lichttechnische Abmessungen in mm: L = 750, B = 58

C-Ebenen	$\gamma$	Leuchtdichte 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°		7026.9	7412.4	9396.1	13940.6	16082.5	23493.4	28589.6
50°		6708.0	6928.5	7607.0	10848.7	12142.0	15878.0	19398.5
55°		6884.5	6968.0	7314.4	8660.0	10062.7	11877.1	14684.4
60°		6890.8	7117.3	7498.4	7821.1	8818.7	9592.9	12223.2
65°		6468.8	6859.7	7871.6	7599.1	8145.5	8321.0	11169.0
70°		5671.2	6134.2	7509.2	7790.8	7815.5	7572.0	10298.2
75°		4792.7	5301.2	7148.7	7916.3	7687.7	6948.7	9132.9
80°		4049.1	4378.7	5925.6	7011.8	7217.8	6111.1	7645.4
85°		4096.6	4369.2	5559.5	6589.9	6313.3	5104.7	5470.4

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**Leuchtdichten in cd/m²**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



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## Dimmstufen-Tabelle

Umgebungstemperatur: 25°C

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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	4970	29.9
95	240	252	4719	28.3
90	226	250	4466	26.7
85	213	248	4228	25.2
80	199	245	3969	23.6
75	186	243	3725	22.1
70	173	240	3480	20.6
65	160	237	3233	19.1
60	147	234	2983	17.6
55	134	231	2730	16.0
50	122	227	2494	14.8
45	109	223	2236	13.4
40	97	219	1997	12.2
35	84	213	1736	10.8
30	72	208	1491	9.4
25	60	201	1245	8.0
20	48	193	999	6.6
17	40	186	832	5.6