

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TL1EDV4E5G**  
**EAN: 4058352891865**

**LP-Nummer**  
**59263\_73**



**Ausführung** Abdeckung satiniert, elliptisch eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 14910 lm  
 Systemleistung = 85.3 W  
 Lichtausbeute = 174.8 lm/W

**Seriendokumentation**  
**02.08.2023**

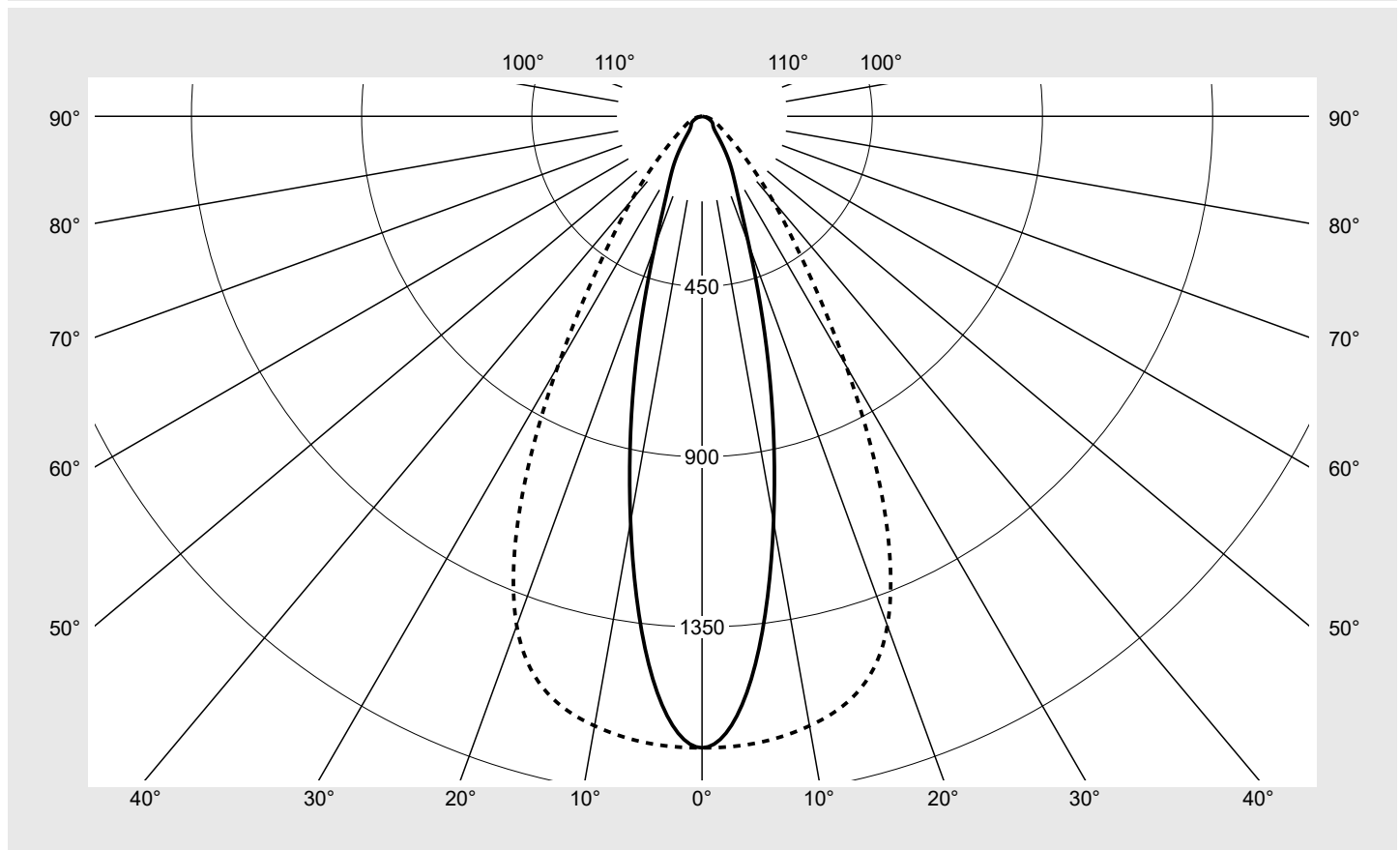
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**Lichtstärke in cd/klm**

**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

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 2250 B = 58
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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

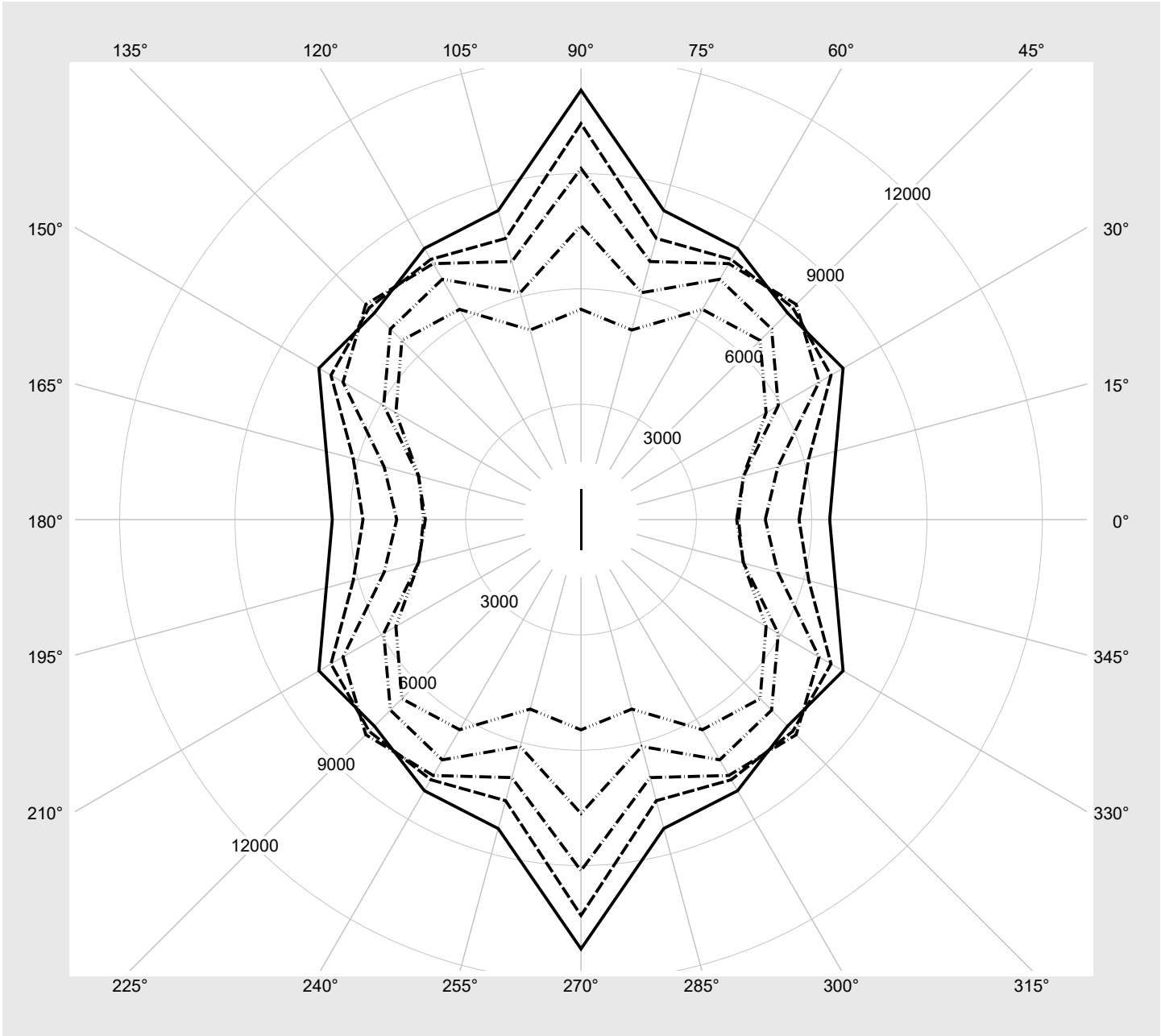
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**Leuchtdichten in cd/m²**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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**siteco**



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<b>Dimmstufen-Tabelle</b>		<b>Umgebungstemperatur: 25°C</b>



Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	14910	85.3
95	240	252	14160	80.7
90	226	250	13400	76.1
85	213	248	12685	71.7
80	199	245	11909	67.0
75	186	243	11176	62.7
70	173	240	10440	58.3
65	160	237	9698	54.0
60	147	234	8949	49.7
55	134	231	8191	45.4
50	122	227	7483	41.4
45	109	223	6710	37.3
40	97	219	5993	33.4
35	84	213	5208	29.2
30	72	208	4475	25.3
25	60	201	3738	21.5
20	48	193	2996	17.4
15	36	182	2248	13.3
10	24	168	1496	9.0
5	12	142	739	4.4
2	4	102	228	1.4