

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TE1EDV4DXG**  
**EAN: 4058352890165**

**LP-Nummer**  
**59263\_76**



**Ausführung** Abdeckung satiniert, elliptisch eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 13000 lm  
 Systemleistung = 73.6 W  
 Lichtausbeute = 176.6 lm/W

**Seriendokumentation**  
**02.08.2023**

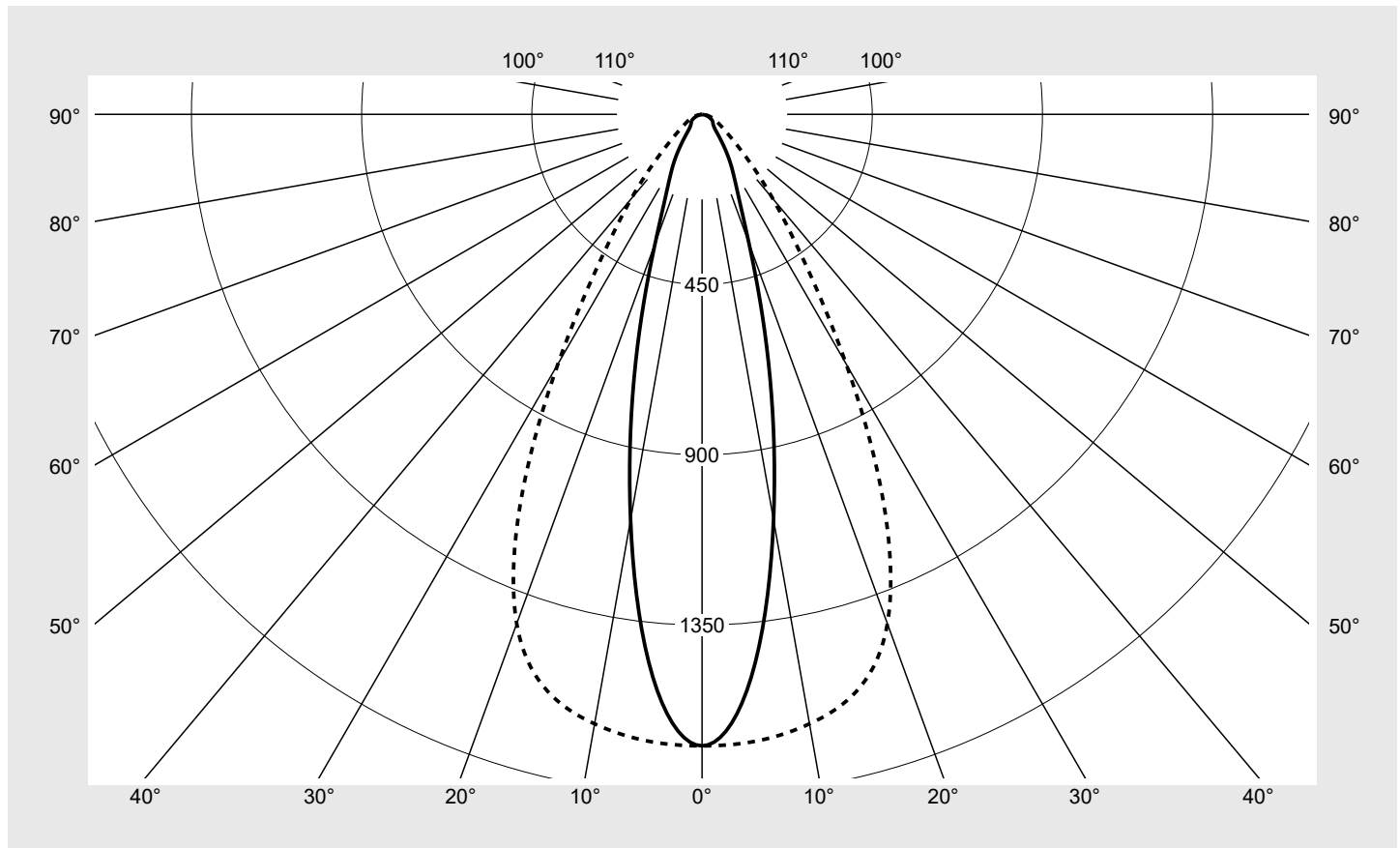
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**Lichtstärke in cd/klm**

**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	14,7	15,9	15,0	16,2	16,5	19,7	20,9	20,0	21,2	21,5
	3H	15,8	16,9	16,2	17,3	17,6	20,2	21,3	20,6	21,6	22,0
	4H	16,2	17,2	16,6	17,6	17,9	20,5	21,5	20,9	21,8	22,2
	6H	16,4	17,4	16,8	17,7	18,1	20,7	21,6	21,2	22,0	22,4
	8H	16,6	17,4	17,0	17,8	18,2	20,9	21,6	21,3	22,0	22,4
	12H	16,6	17,4	17,1	17,8	18,2	20,9	21,6	21,4	22,0	22,4
4H	2H	15,5	16,4	15,9	16,8	17,2	19,6	20,7	20,0	21,0	21,4
	3H	16,9	17,7	17,3	18,1	18,5	20,4	21,2	20,8	21,6	22,0
	4H	17,4	18,2	17,9	18,6	19,0	20,7	21,5	21,2	21,9	22,3
	6H	17,7	18,4	18,2	18,8	19,3	21,0	21,7	21,5	22,1	22,6
	8H	17,8	18,4	18,3	18,8	19,3	21,2	21,7	21,6	22,2	22,6
	12H	17,9	18,4	18,4	18,9	19,4	21,2	21,7	21,7	22,1	22,6
8H	4H	17,9	18,4	18,4	18,9	19,4	20,8	21,4	21,3	21,9	22,3
	6H	18,4	18,8	18,9	19,3	19,8	21,2	21,7	21,7	22,2	22,7
	8H	18,5	18,9	19,0	19,4	19,9	21,4	21,8	21,9	22,3	22,8
	12H	18,6	19,0	19,1	19,5	20,0	21,5	21,8	22,0	22,3	22,8
12H	4H	17,9	18,4	18,4	18,9	19,4	20,8	21,3	21,3	21,8	22,3
	6H	18,4	18,8	19,0	19,3	19,8	21,2	21,6	21,7	22,1	22,7
	8H	18,6	19,0	19,2	19,5	20,0	21,4	21,7	21,9	22,3	22,8

<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°		6126.7	6462.8	8192.4	12154.8	14022.3	20483.9	24927.2	
50°		5848.7	6041.0	6632.5	9459.0	10586.6	13844.0	16913.5	
55°		6002.6	6075.4	6377.4	7550.6	8773.6	10355.6	12803.3	
60°		6008.1	6205.5	6537.9	6819.2	7689.0	8364.0	10657.4	
65°		5640.2	5981.0	6863.3	6625.7	7102.0	7255.0	9738.3	
70°		4944.7	5348.4	6547.2	6792.8	6814.3	6602.0	8979.0	
75°		4178.8	4622.1	6232.9	6902.2	6702.9	6058.6	7963.0	
80°		3530.4	3817.8	5166.5	6113.6	6293.2	5328.3	6666.1	
85°		3571.8	3809.5	4847.4	5745.7	5504.6	4450.7	4769.6	

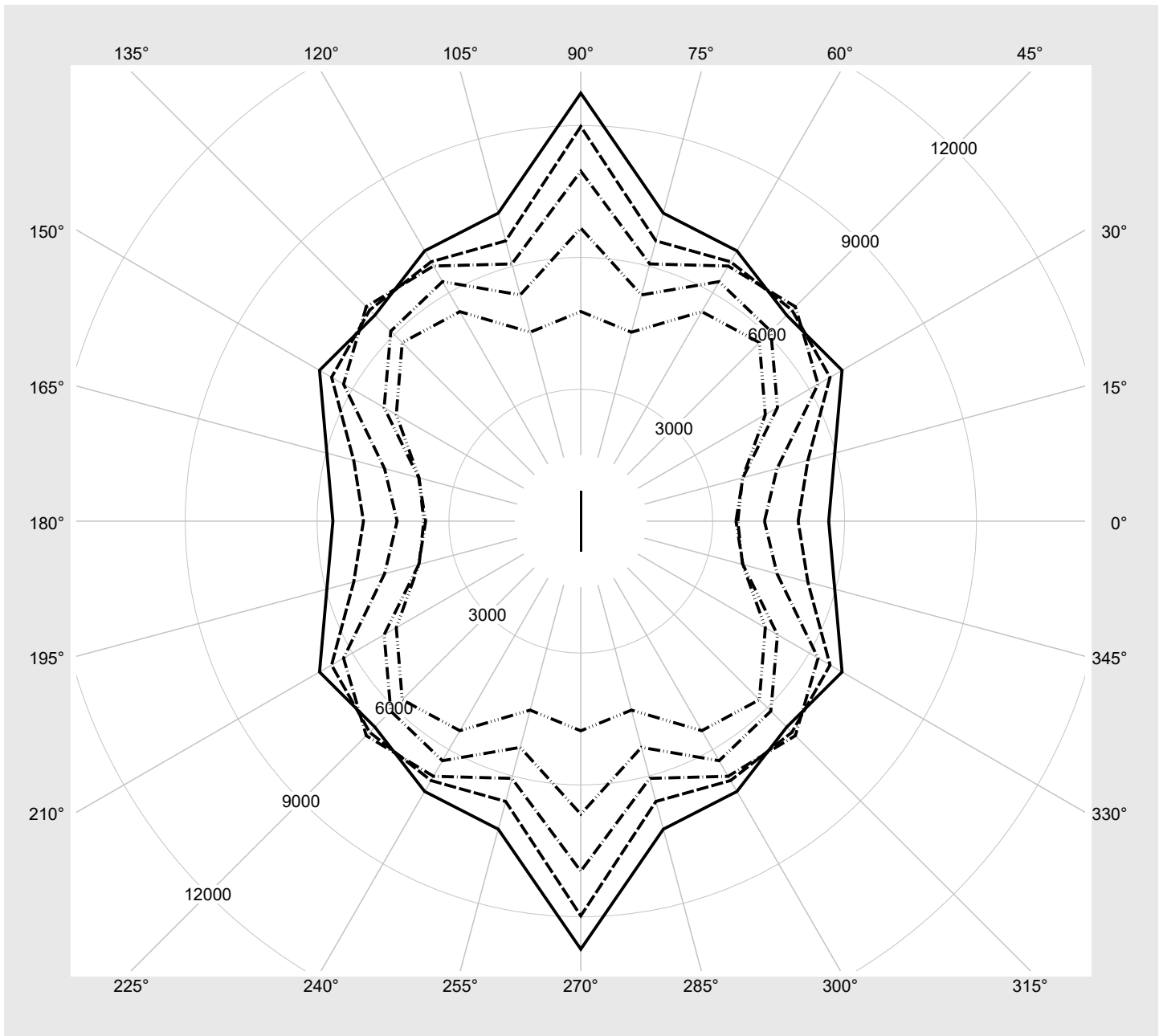
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**Leuchtdichten in cd/m<sup>2</sup>**

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



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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	13000	73.6
95	240	252	12334	69.6
90	227	250	11709	65.8
85	213	248	11032	61.8
80	200	245	10396	58.0
75	187	243	9759	54.3
70	174	240	9115	50.7
65	161	237	8464	46.9
60	148	234	7806	43.3
55	135	231	7143	39.7
50	122	227	6475	36.0
45	110	223	5854	32.7
40	97	219	5179	29.1
35	85	214	4548	25.7
30	73	208	3913	22.4
25	61	202	3275	19.0
20	48	193	2579	15.2
15	36	182	1934	11.5
10	24	168	1287	7.7
5	12	142	633	3.8
2	5	110	248	1.5