

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TL1EDN4AXS**  
**EAN: 4058352891803**

**LP-Nummer**  
**59263\_84**



**Ausführung** Abdeckung satiniert, elliptisch eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 10000 lm  
 Systemleistung = 56.1 W  
 Lichtausbeute = 178.3 lm/W

**Seriendokumentation**  
**03.08.2023**

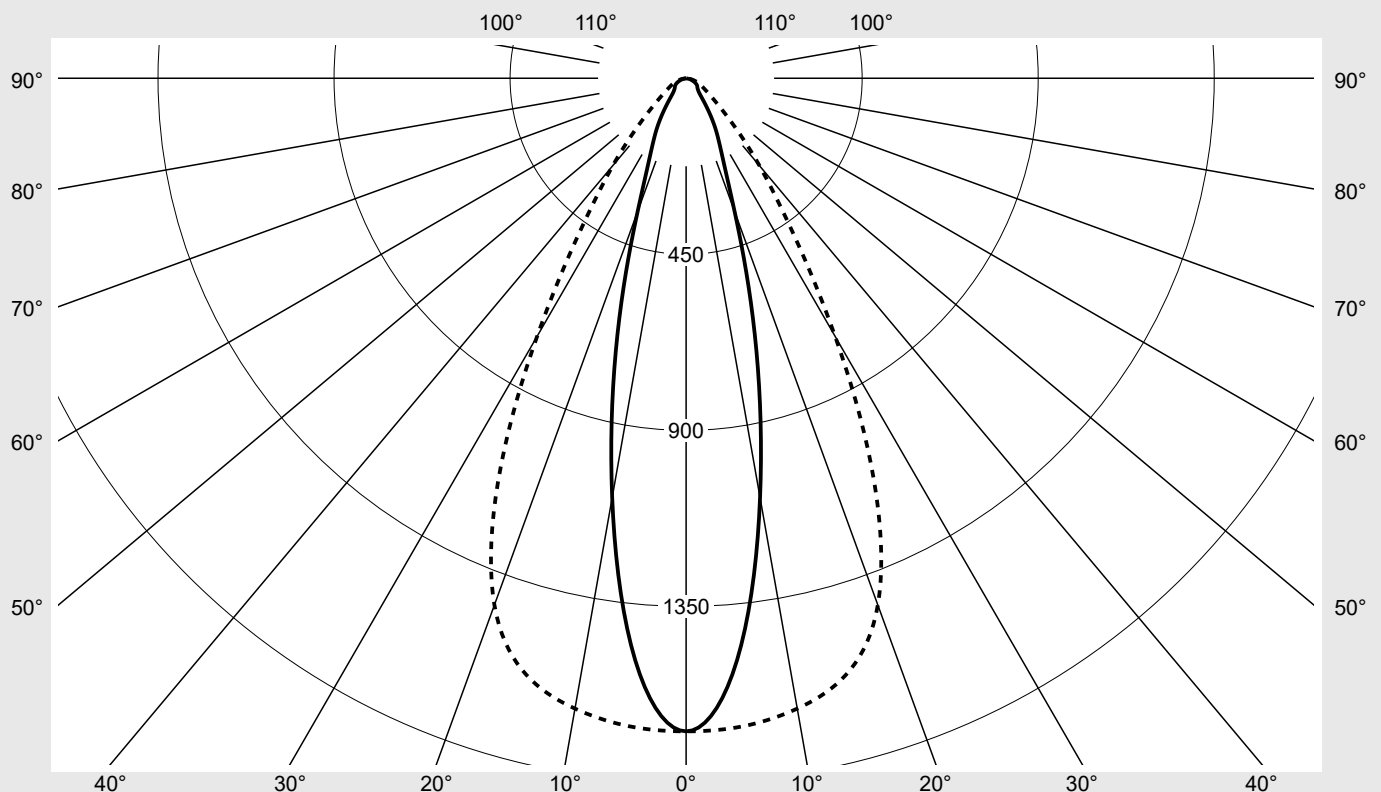
**siteco**

**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°			
γ									
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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	15,2	16,4	15,5	16,7	17,0	20,2	21,4	20,5	21,7	22,0
	3H	16,3	17,4	16,7	17,8	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	17,9	17,3	18,2	18,6	21,2	22,1	21,7	22,5	22,9
	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	17,6	18,3	18,7	21,4	22,1	21,9	22,5	22,9
4H	2H	16,0	16,9	16,4	17,3	17,7	20,1	21,2	20,5	21,5	21,9
	3H	17,4	18,2	17,8	18,6	19,0	20,9	21,7	21,3	22,1	22,5
	4H	17,9	18,6	18,4	19,1	19,5	21,2	22,0	21,7	22,4	22,8
	6H	18,2	18,8	18,7	19,3	19,8	21,5	22,2	22,0	22,6	23,1
	8H	18,3	18,9	18,8	19,3	19,8	21,7	22,2	22,1	22,6	23,1
	12H	18,4	18,9	18,9	19,4	19,9	21,7	22,2	22,2	22,6	23,1
8H	4H	18,4	18,9	18,9	19,4	19,9	21,3	21,9	21,8	22,4	22,8
	6H	18,9	19,3	19,4	19,8	20,3	21,7	22,2	22,2	22,7	23,2
	8H	19,0	19,4	19,5	19,9	20,4	21,9	22,3	22,4	22,8	23,3
	12H	19,1	19,4	19,6	20,0	20,5	22,0	22,3	22,5	22,8	23,3
12H	4H	18,4	18,9	18,9	19,4	19,9	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	23,2
	8H	19,1	19,5	19,7	20,0	20,5	21,9	22,2	22,4	22,7	23,3

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

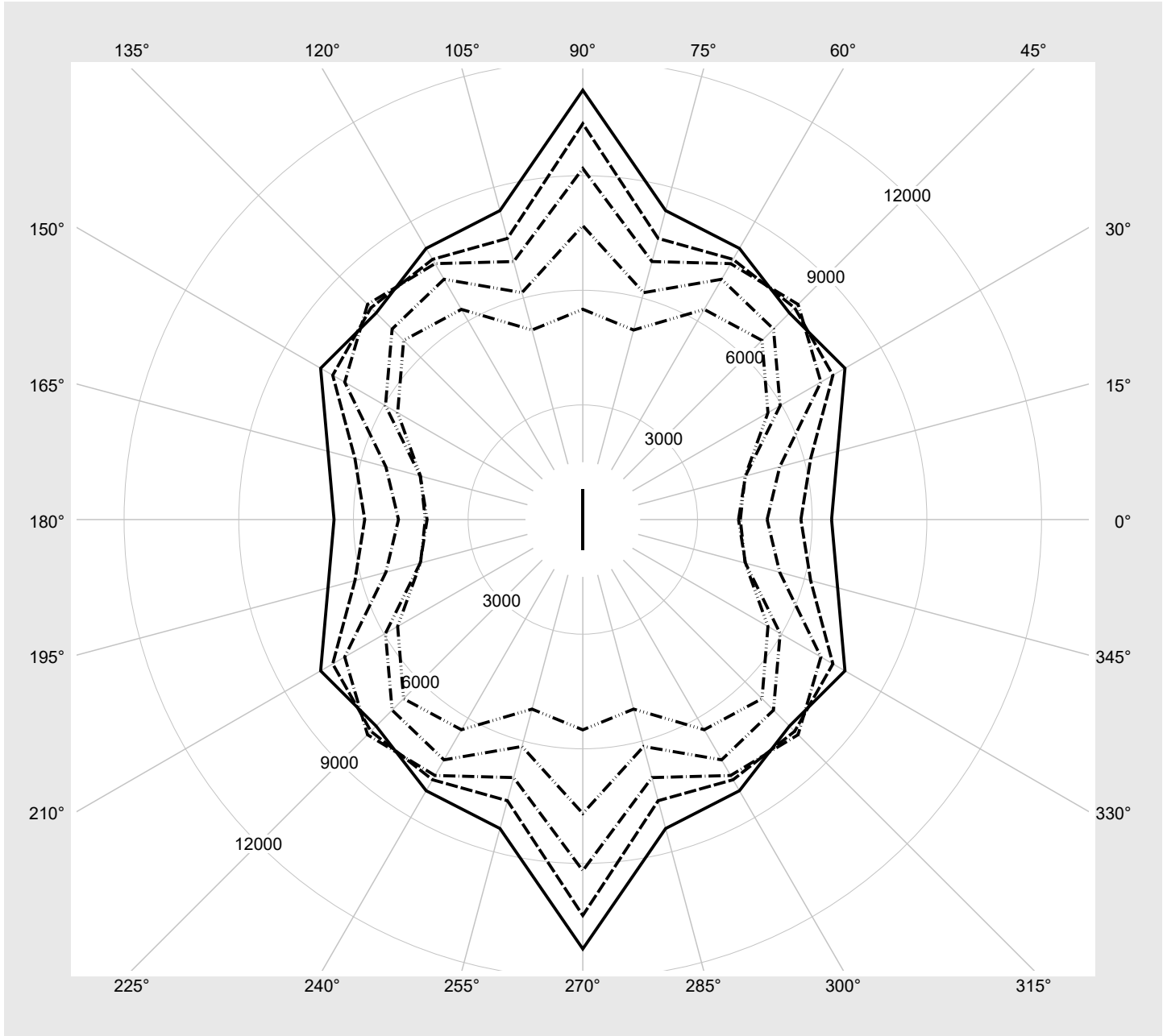
Lichttechnische Abmessungen in mm: **L = 1500**  
**B = 58**

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°		7069.3	7457.1	9452.8	14024.8	16179.6	23635.2	28762.2
50°		6748.4	6970.4	7652.9	10914.2	12215.3	15973.9	19515.6
55°		6926.1	7010.1	7358.5	8712.2	10123.4	11948.8	14773.0
60°		6932.4	7160.2	7543.7	7868.3	8872.0	9650.8	12297.0
65°		6507.9	6901.1	7919.2	7645.0	8194.7	8371.2	11236.5
70°		5705.5	6171.2	7554.5	7837.8	7862.7	7617.7	10360.3
75°		4821.6	5333.2	7191.8	7964.1	7734.1	6990.6	9188.1
80°		4073.5	4405.1	5961.3	7054.2	7261.3	6148.0	7691.6
85°		4121.3	4395.6	5593.1	6629.7	6351.4	5135.5	5503.4

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Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **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	10000	56.1
95	241	252	9513	53.3
90	227	250	8986	50.4
85	214	248	8496	47.6
80	201	245	8001	44.9
75	188	243	7500	42.2
70	175	240	6999	39.3
65	162	238	6494	36.6
60	149	234	5988	33.8
55	137	231	5513	31.3
50	124	228	5000	28.5
45	111	224	4483	25.7
40	99	219	4005	23.0
35	86	214	3485	20.2
30	74	209	2998	17.7
25	62	202	2513	15.6
20	49	194	1985	13.2
15	37	183	1495	10.5
10	25	169	1000	6.8
8	20	161	794	5.0