

## Lichttechnischer Prüfbefund

**Familie**  
Licross® 21 Recessed

**Bestell-Nr.:** 52TL1EDN4DXS  
**EAN:** 4058352891827

**LP-Nummer**  
59263\_85



**Ausführung** Abdeckung satiniert, elliptisch eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 13000 lm  
Systemleistung = 74.4 W  
Lichtausbeute = 174.7 lm/W

**Seriendokumentation**  
03.08.2023

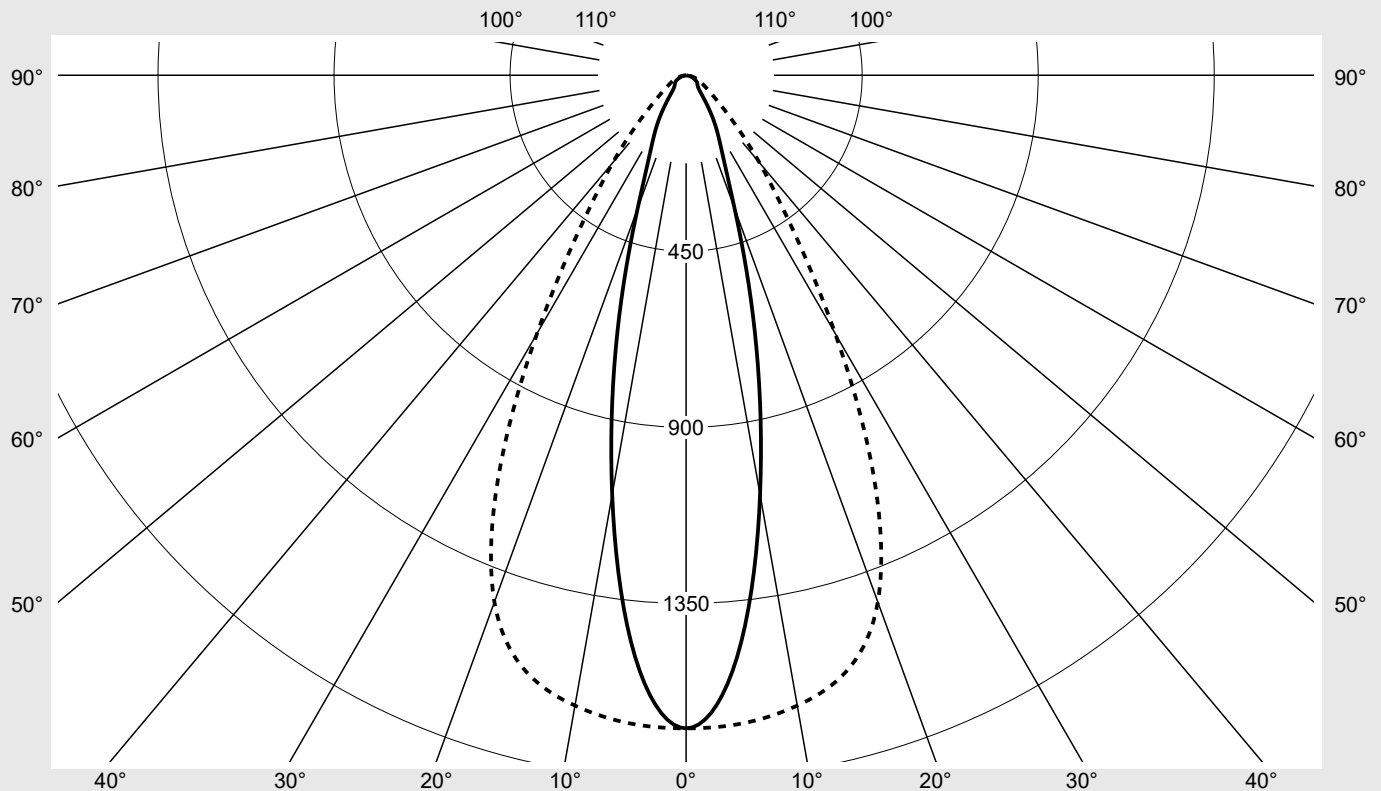
siteco

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°			
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	16,1	17,3	16,4	17,6	17,9	21,1	22,3	21,4	22,6	22,9
	3H	17,2	18,3	17,6	18,7	19,0	21,7	22,7	22,0	23,0	23,4
	4H	17,6	18,6	18,0	19,0	19,4	21,9	22,9	22,3	23,2	23,6
	6H	17,8	18,8	18,2	19,1	19,5	22,2	23,0	22,6	23,4	23,8
	8H	18,0	18,8	18,4	19,2	19,6	22,3	23,0	22,7	23,4	23,8
	12H	18,0	18,8	18,5	19,2	19,6	22,3	23,0	22,8	23,4	23,8
4H	2H	16,9	17,8	17,3	18,2	18,6	21,1	22,1	21,4	22,4	22,8
	3H	18,3	19,1	18,7	19,5	19,9	21,8	22,6	22,2	23,0	23,4
	4H	18,8	19,6	19,3	20,0	20,4	22,1	22,9	22,6	23,3	23,7
	6H	19,1	19,8	19,6	20,2	20,7	22,4	23,1	22,9	23,5	24,0
	8H	19,2	19,8	19,7	20,3	20,7	22,6	23,1	23,1	23,6	24,0
	12H	19,3	19,8	19,8	20,3	20,8	22,6	23,1	23,1	23,6	24,1
8H	4H	19,3	19,8	19,8	20,3	20,8	22,2	22,8	22,7	23,3	23,7
	6H	19,8	20,2	20,3	20,7	21,2	22,6	23,1	23,1	23,6	24,1
	8H	19,9	20,3	20,4	20,8	21,3	22,8	23,2	23,3	23,7	24,2
	12H	20,0	20,4	20,5	20,9	21,4	22,9	23,2	23,4	23,7	24,3
12H	4H	19,3	19,8	19,8	20,3	20,8	22,2	22,7	22,7	23,2	23,7
	6H	19,8	20,2	20,4	20,7	21,2	22,6	23,0	23,1	23,5	24,1
	8H	20,0	20,4	20,6	20,9	21,4	22,8	23,2	23,3	23,7	24,2

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

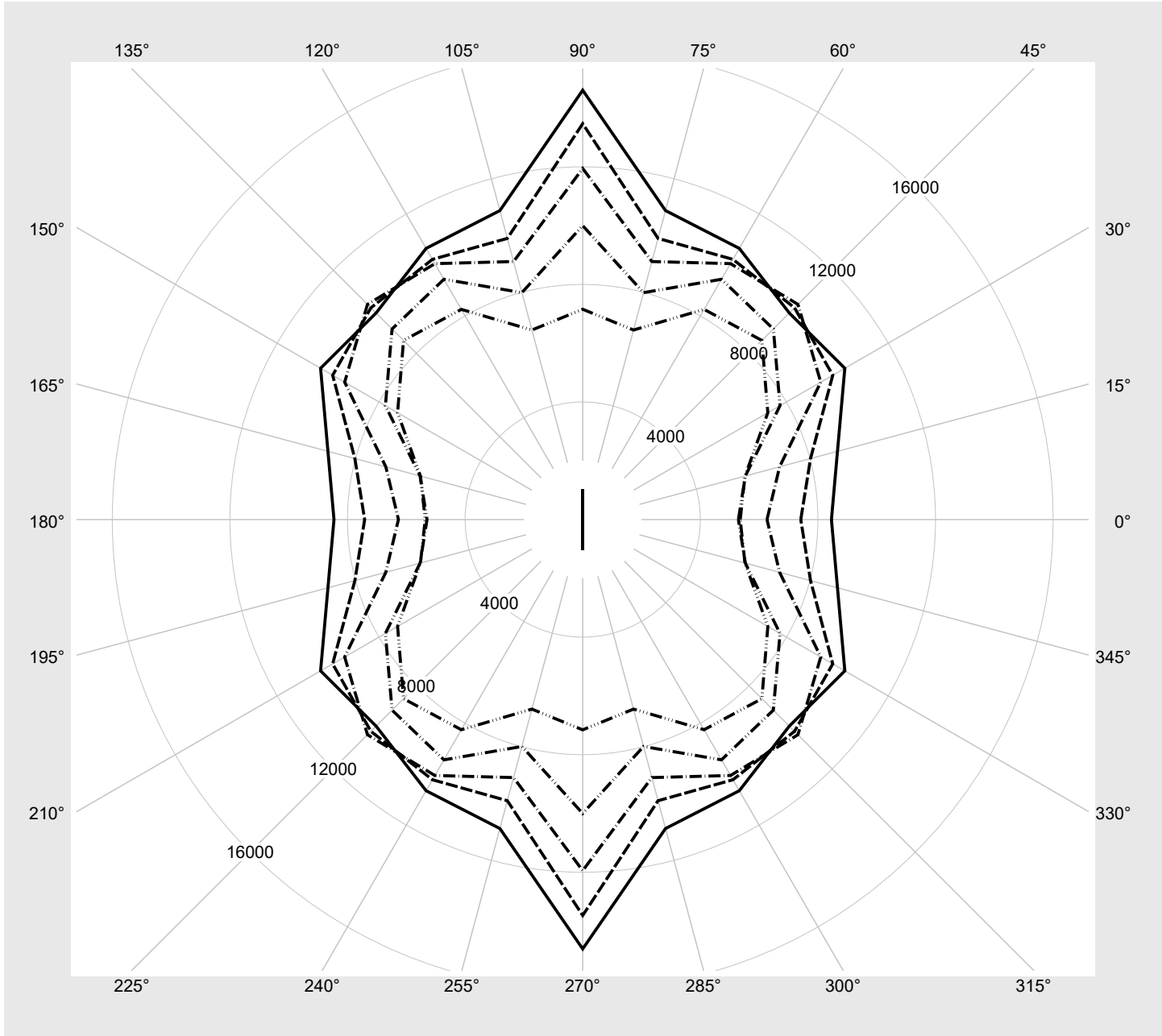
Lichttechnische Abmessungen in mm: **L = 1500**  
**B = 58**

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°		9190.1	9694.3	12288.6	18232.2	21033.5	30725.8	37390.8
50°		8773.0	9061.5	9948.8	14188.5	15879.9	20766.1	25370.2
55°		9003.9	9113.1	9566.1	11325.9	13160.4	15533.5	19204.9
60°		9012.1	9308.3	9806.8	10228.8	11533.5	12546.0	15986.1
65°		8460.2	8971.5	10294.9	9938.5	10653.1	10882.5	14607.4
70°		7417.1	8022.6	9820.9	10189.2	10221.5	9903.0	13468.5
75°		6268.1	6933.2	9349.4	10353.3	10054.3	9087.8	11944.5
80°		5295.6	5726.7	7749.7	9170.4	9439.8	7992.4	9999.1
85°		5357.7	5714.3	7271.0	8618.6	8256.9	6676.1	7154.5

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**Leuchtdichten in cd/m²**      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	13000	74.4
95	240	252	12339	70.4
90	227	250	11719	66.5
85	213	248	11041	62.5
80	200	245	10406	58.7
75	187	243	9766	55.0
70	174	240	9118	51.3
65	161	237	8468	47.6
60	148	234	7812	43.8
55	135	231	7147	40.1
50	122	227	6479	36.5
45	110	223	5859	33.1
40	97	219	5177	29.5
35	85	214	4547	26.2
30	73	208	3913	22.9
25	61	202	3273	19.6
20	48	193	2577	16.0
15	36	182	1931	12.7
10	24	168	1282	9.4
5	12	142	625	6.0
2	5	110	243	4.3