

## Lichttechnischer Prüfbefund

**Familie**  
Licross® 21 Recessed

**Bestell-Nr.:** 52TL12DN4AXGD  
**EAN:** 4058352890905

**LP-Nummer**  
59101\_284



**Ausführung** Abdeckung satiniert, breit strahlend, hoher Sehkomfort

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Einstellung** AC-Betrieb

**Bemessungswerte** Nettolichtstrom = 10280 lm  
Systemleistung = 58.0 W  
Lichtausbeute = 177.2 lm/W

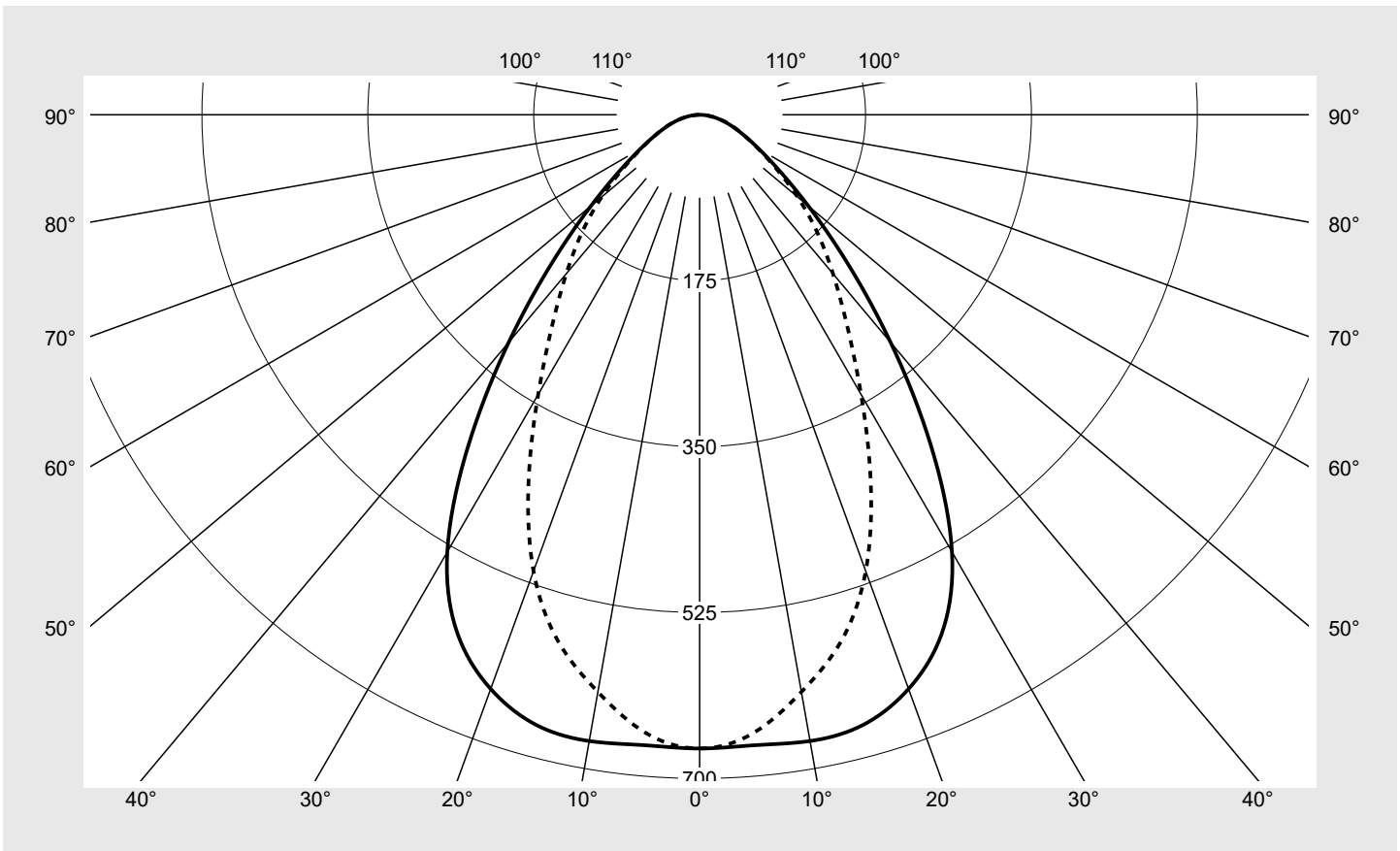
**Seriendokumentation**  
10.08.2023

sitEco

Lichtstärke in cd/klm

**C180-0** **C270-90**

**Imax: 671 cd/klm**



#### Klassifizierungen

DIN 5040 A 6 0  
CIE N1=72 N2=92 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°	668.4	668.4	668.4	668.4	668.4	668.4	668.4	4.0	4.0
5°	667.5	664.4	657.4	655.8	655.7	654.2	654.4	31.4	35.4
10°	670.7	665.0	649.1	636.1	625.3	618.7	618.1	60.9	96.3
15°	666.2	657.2	632.9	612.0	594.0	578.5	575.5	87.4	183.7
20°	644.4	632.9	606.9	585.4	554.6	522.7	512.3	108.8	292.5
25°	604.1	590.6	566.7	541.2	494.5	444.9	427.0	121.8	414.2
30°	532.4	517.7	496.3	466.1	413.9	359.9	340.6	122.9	537.1
35°	425.0	409.7	387.0	361.9	325.4	286.0	271.1	111.0	648.1
40°	313.4	295.8	270.7	255.1	246.8	229.4	218.8	91.8	739.9
45°	219.2	200.3	175.7	171.1	181.8	184.7	175.5	71.8	811.7
50°	149.7	132.6	112.6	116.3	133.0	145.6	134.9	54.8	866.5
55°	102.7	89.1	74.7	81.5	98.1	107.9	98.1	41.3	907.7
60°	72.4	62.1	51.3	58.3	71.8	76.5	71.0	31.0	938.7
65°	52.1	44.3	35.9	41.6	51.4	54.2	52.1	23.1	961.9
70°	37.6	31.7	24.7	29.1	35.6	38.4	38.3	16.9	978.8
75°	26.0	21.3	16.2	19.0	22.9	25.9	26.8	11.6	990.4
80°	16.1	12.5	9.2	10.4	12.6	14.8	15.7	6.8	997.3
85°	7.0	5.4	3.8	4.1	4.8	5.7	5.8	2.7	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	21,8	23,3	22,2	23,6	23,9	21,8	23,2	22,1	23,5	23,8
	3H	22,4	23,7	22,8	24,0	24,4	22,6	23,8	22,9	24,2	24,5
	4H	22,7	23,9	23,1	24,2	24,6	22,9	24,1	23,3	24,4	24,8
	6H	23,0	24,0	23,4	24,4	24,8	23,2	24,2	23,6	24,6	25,0
	8H	23,1	24,1	23,6	24,5	24,9	23,3	24,3	23,7	24,7	25,1
	12H	23,2	24,1	23,6	24,5	24,9	23,3	24,2	23,8	24,6	25,1
4H	2H	22,0	23,2	22,4	23,5	23,9	22,0	23,2	22,4	23,5	23,9
	3H	22,7	23,7	23,1	24,0	24,5	22,9	23,9	23,4	24,3	24,7
	4H	23,0	23,9	23,5	24,3	24,7	23,4	24,3	23,8	24,7	25,1
	6H	23,3	24,1	23,8	24,5	25,0	23,7	24,5	24,2	24,9	25,4
	8H	23,5	24,2	24,0	24,6	25,1	23,9	24,5	24,3	25,0	25,5
	12H	23,6	24,2	24,1	24,6	25,1	24,0	24,5	24,4	25,0	25,5
8H	4H	23,1	23,8	23,6	24,2	24,7	23,4	24,1	23,9	24,6	25,0
	6H	23,5	24,0	23,9	24,5	25,0	23,9	24,4	24,4	24,9	25,4
	8H	23,6	24,1	24,1	24,6	25,1	24,0	24,5	24,5	25,0	25,5
	12H	23,8	24,2	24,3	24,7	25,2	24,2	24,6	24,7	25,1	25,6
12H	4H	23,1	23,7	23,6	24,2	24,7	23,5	24,0	23,9	24,5	25,0
	6H	23,5	23,9	24,0	24,4	25,0	23,9	24,3	24,4	24,8	25,4
	8H	23,6	24,0	24,2	24,5	25,1	24,1	24,5	24,6	25,0	25,5

## 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°		36632.7	33479.1	29355.8	28597.5	30379.5	30864.3	29331.1
50°		27516.0	24370.3	20700.8	21380.0	24447.9	26768.3	24789.8
55°		21149.9	18360.6	15392.5	16794.3	20205.0	22238.1	20199.8
60°		17105.4	14683.4	12125.2	13788.0	16960.1	18081.2	16773.9
65°		14567.3	12398.5	10050.8	11637.8	14384.2	15141.3	14553.4
70°		12981.4	10945.8	8534.7	10037.6	12287.3	13266.8	13233.2
75°		11869.6	9722.9	7411.0	8664.2	10459.8	11806.1	12231.6
80°		10947.9	8535.0	6279.3	7107.4	8592.2	10104.2	10711.8
85°		9494.3	7312.9	5164.0	5568.0	6545.5	7665.4	7914.8

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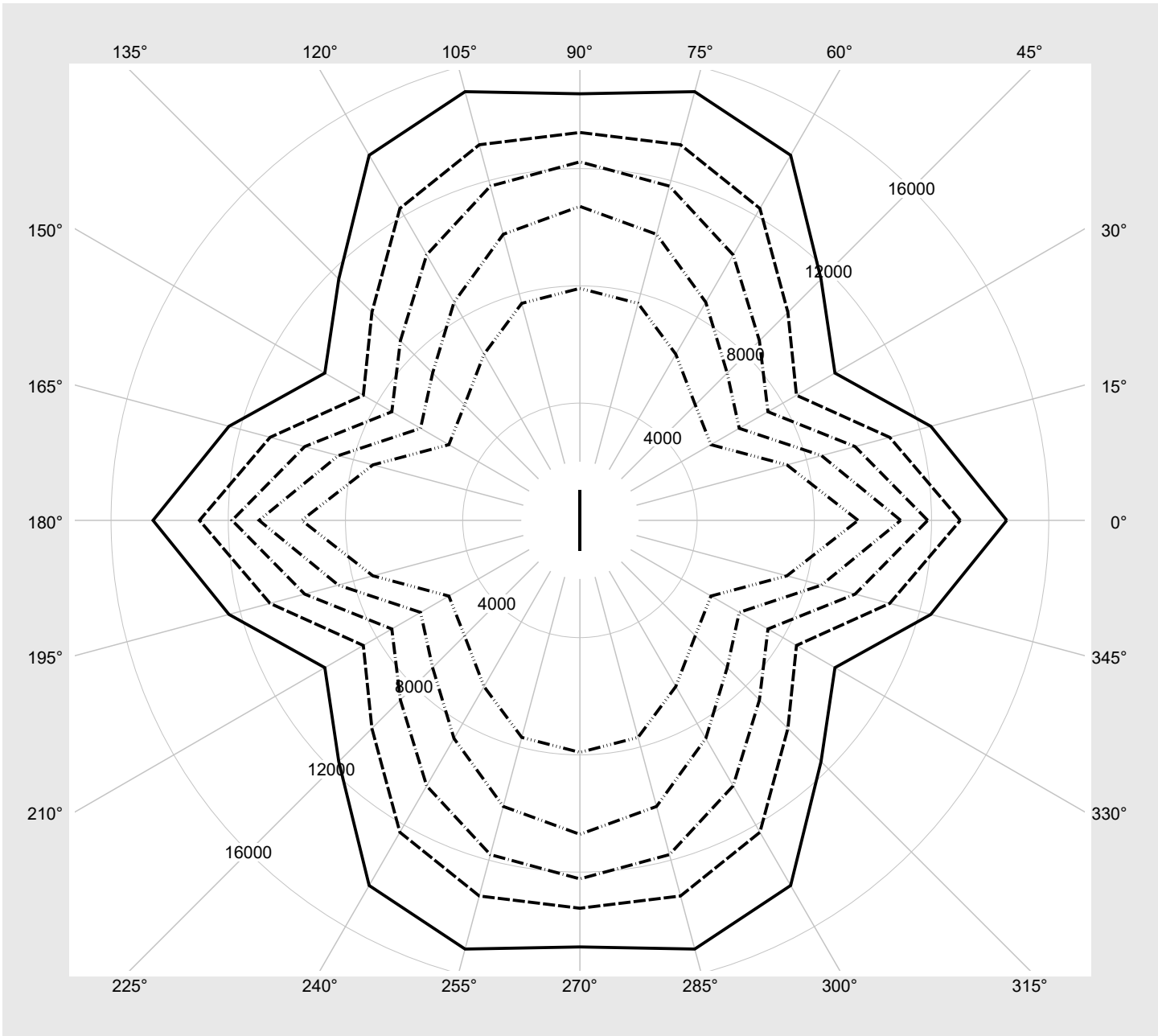
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**Leuchtdichten in cd/m²**

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



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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	10280	58.0
95	240	252	9762	54.8
90	226	250	9239	51.5
85	213	248	8746	48.7
80	199	245	8210	45.5
75	186	243	7706	42.6
70	173	240	7198	39.6
65	160	237	6687	36.8
60	147	234	6170	33.9
55	134	231	5647	31.0
50	122	227	5159	28.4
45	109	223	4627	25.5
40	97	219	4132	22.9
35	84	213	3591	20.1
30	72	208	3086	17.5
25	60	201	2577	15.0
20	48	193	2065	12.3
15	36	182	1550	9.7
10	24	168	1031	7.2
5	12	142	509	4.6
2	4	102	158	3.0