

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TL12DN4DXM**  
**EAN: 4058352890943**

**LP-Nummer**  
**59446\_27**



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

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 13000 lm  
Systemleistung = 72.3 W  
Lichtausbeute = 179.8 lm/W

**Seriendokumentation**  
**03.08.2023**

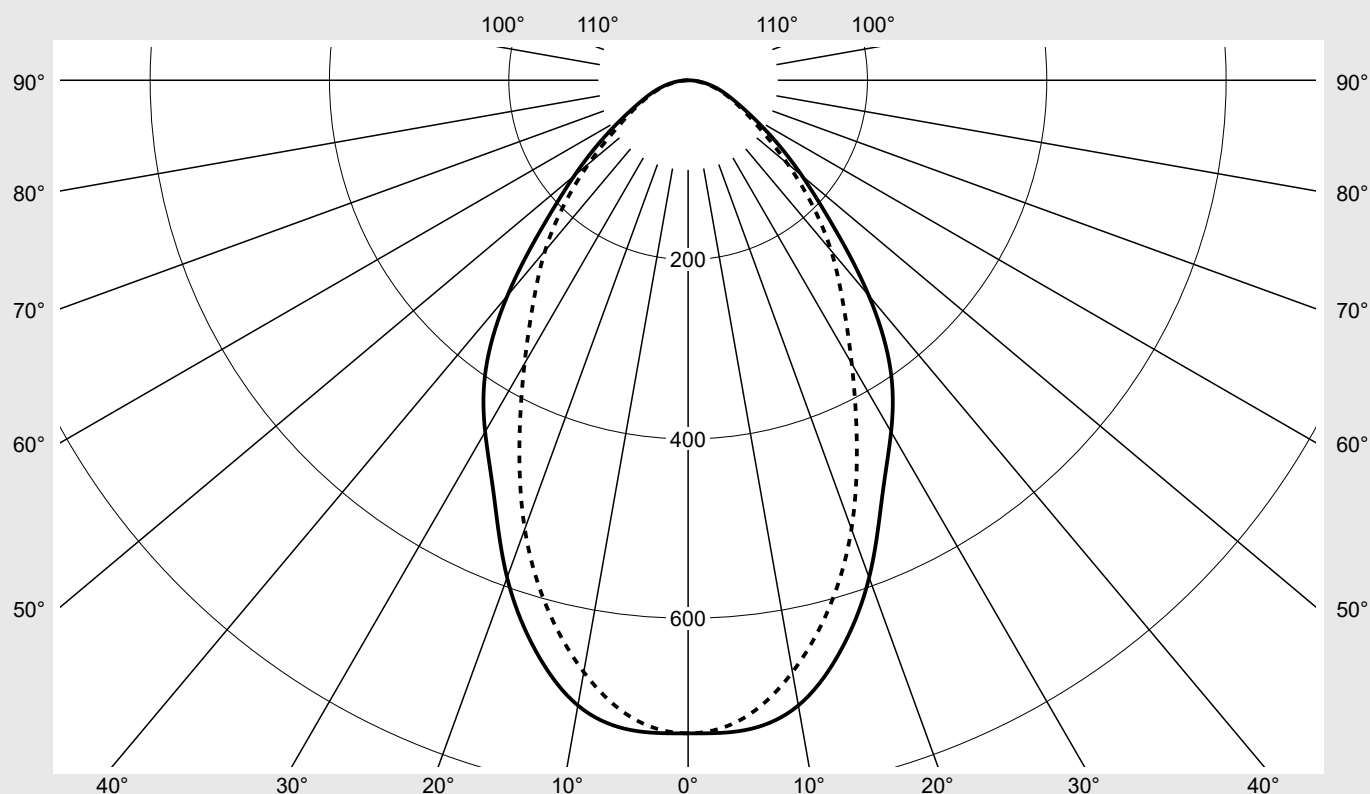
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 728 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 0  
CIE N1=69 N2=91 N3=98  
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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	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	23,2	24,7	23,6	25,0	25,3	22,8	24,3	23,2	24,6	24,9
	3H	23,9	25,2	24,3	25,5	25,9	23,6	24,9	24,0	25,3	25,6
	4H	24,3	25,5	24,7	25,8	26,2	24,0	25,2	24,4	25,6	25,9
	6H	24,6	25,7	25,0	26,0	26,4	24,3	25,4	24,7	25,8	26,1
	8H	24,8	25,8	25,2	26,1	26,5	24,4	25,4	24,9	25,8	26,2
	12H	24,9	25,8	25,3	26,2	26,6	24,5	25,4	24,9	25,8	26,2
4H	2H	23,5	24,7	23,9	25,1	25,4	23,2	24,4	23,6	24,8	25,1
	3H	24,3	25,3	24,7	25,7	26,1	24,2	25,2	24,6	25,6	26,0
	4H	24,7	25,6	25,1	26,0	26,4	24,7	25,6	25,1	26,0	26,4
	6H	25,1	25,8	25,5	26,3	26,7	25,0	25,8	25,5	26,2	26,7
	8H	25,2	25,9	25,7	26,4	26,9	25,2	25,9	25,6	26,3	26,8
	12H	25,4	26,0	25,9	26,5	27,0	25,2	25,8	25,7	26,3	26,8
8H	4H	24,8	25,5	25,2	25,9	26,4	24,8	25,5	25,3	25,9	26,4
	6H	25,2	25,8	25,7	26,2	26,8	25,2	25,8	25,7	26,3	26,8
	8H	25,4	25,9	25,9	26,4	26,9	25,4	25,9	25,9	26,4	26,9
	12H	25,6	26,0	26,1	26,5	27,1	25,5	25,9	26,0	26,4	27,0
12H	4H	24,8	25,4	25,3	25,9	26,4	24,8	25,4	25,3	25,8	26,3
	6H	25,2	25,7	25,7	26,2	26,7	25,3	25,7	25,8	26,2	26,7
	8H	25,4	25,9	26,0	26,4	26,9	25,4	25,8	25,9	26,3	26,9

## 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°	48021.9	46001.9	44060.5	40452.6	37237.6	39549.0	41179.4	
50°	38550.7	35168.9	33310.5	34347.6	32298.4	33097.8	33580.4	
55°	31190.9	27417.1	24414.4	28373.7	28511.0	27142.8	26888.5	
60°	25206.0	21807.4	18821.0	23455.6	25034.4	22534.2	22751.8	
65°	21418.2	18208.2	15371.1	19555.6	21752.4	19638.0	20125.2	
70°	19558.7	16134.4	12870.4	16314.4	17714.2	17454.2	18363.4	
75°	18414.7	14651.0	11092.3	13633.2	15930.4	15593.8	16921.1	
80°	17405.5	13366.2	9567.1	11006.7	13139.9	13409.3	14803.3	
85°	16138.2	12340.7	8327.1	8632.3	9962.7	10255.9	10799.4	

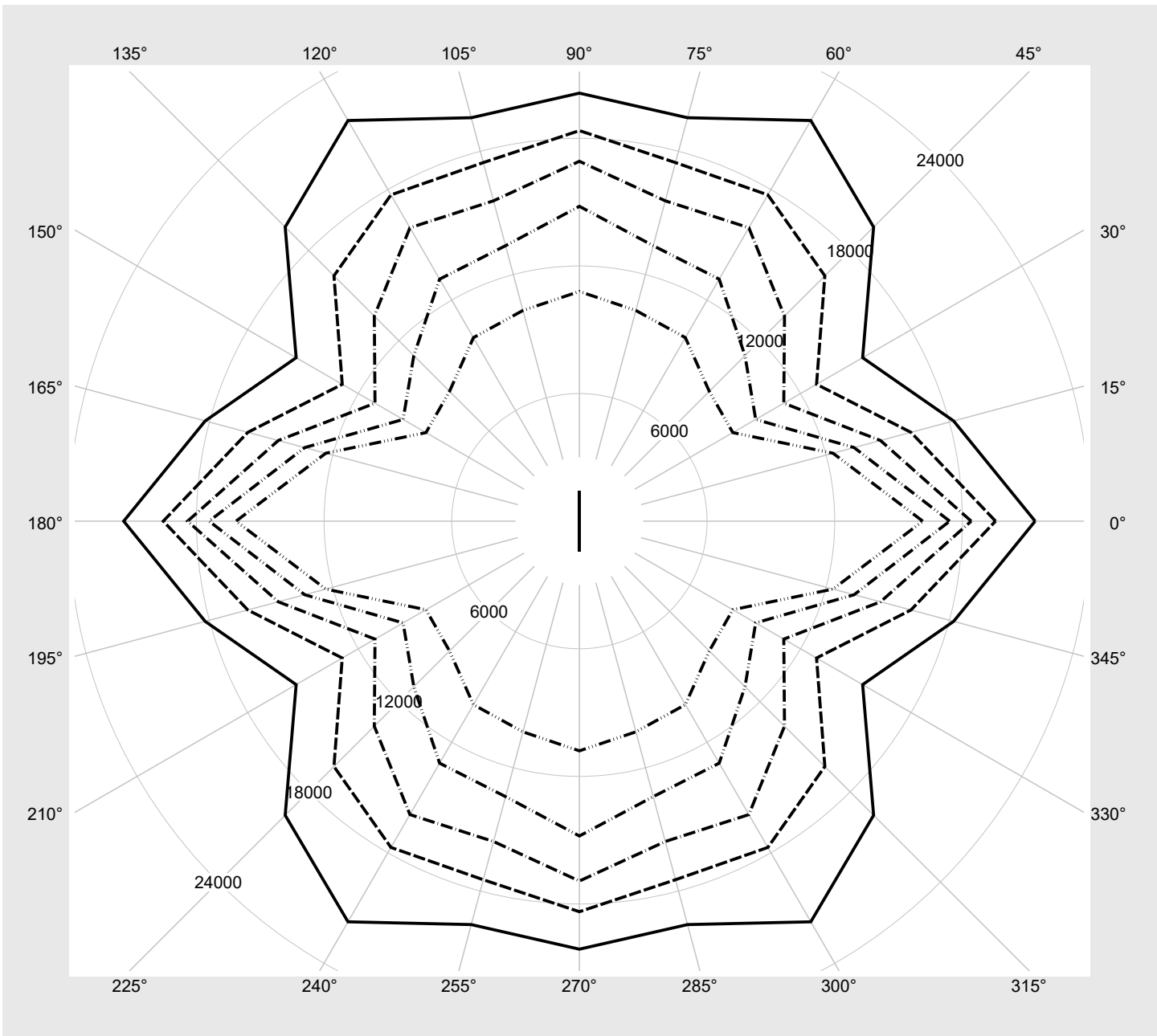
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**Leuchtdichten in cd/m²**

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



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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	13000	72.3
95	240	252	12336	68.3
90	227	250	11711	64.7
85	213	248	11034	60.8
80	200	245	10399	57.1
75	187	243	9756	53.6
70	174	240	9110	49.9
65	161	237	8459	46.3
60	148	234	7802	42.7
55	135	231	7137	39.1
50	123	227	6521	35.8
45	110	223	5849	32.3
40	98	219	5221	29.1
35	85	214	4539	25.6
30	73	208	3905	22.3
25	61	202	3265	19.2
20	49	194	2624	15.9
15	36	182	1926	12.4
10	24	168	1278	9.2
5	12	142	623	5.9
2	5	110	241	4.2