

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 21 Protected**

**Bestell-Nr.: 52TD12DN48XG**  
**EAN: 4058352902769**

**LP-Nummer**  
**58524\_227**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 8000 lm  
Systemleistung = 45.3 W  
Lichtausbeute = 176.6 lm/W

**Seriendokumentation**  
**03.08.2023**

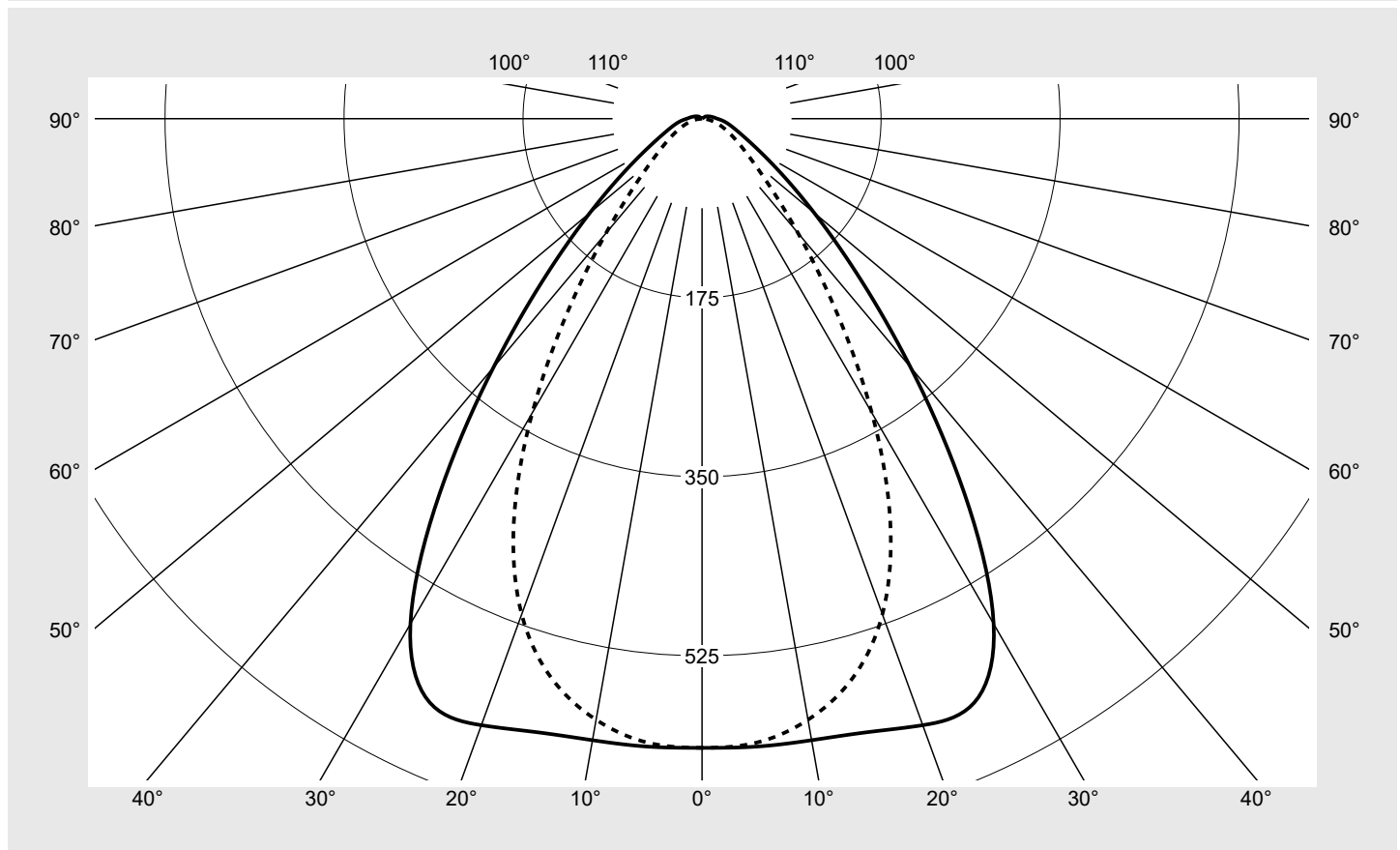
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 631 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 1  
CIE N1=73 N2=92 N3=98  
N4=99 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  98,6%  
 $\phi_o$  1,4%

**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	
γ									
0°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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	20,5	21,9	20,9	22,2	22,6	17,2	18,7	17,6	19,0	19,3
	3H	20,9	22,2	21,3	22,5	22,9	17,6	18,9	18,0	19,2	19,6
	4H	21,2	22,3	21,6	22,7	23,0	17,7	18,9	18,1	19,3	19,7
	6H	21,4	22,5	21,9	22,9	23,2	17,9	19,0	18,3	19,3	19,7
	8H	21,7	22,6	22,1	23,0	23,4	18,0	19,0	18,4	19,3	19,7
	12H	21,8	22,7	22,3	23,1	23,5	18,0	18,9	18,4	19,3	19,7
4H	2H	20,5	21,7	20,9	22,1	22,5	17,8	18,9	18,2	19,3	19,7
	3H	21,1	22,1	21,5	22,5	22,9	18,2	19,2	18,7	19,6	20,0
	4H	21,4	22,3	21,9	22,7	23,2	18,5	19,3	18,9	19,8	20,2
	6H	21,8	22,6	22,3	23,0	23,5	18,7	19,4	19,1	19,9	20,3
	8H	22,1	22,8	22,6	23,2	23,7	18,7	19,4	19,2	19,9	20,3
	12H	22,4	22,9	22,9	23,4	23,9	18,8	19,4	19,3	19,9	20,4
8H	4H	21,4	22,1	21,9	22,6	23,1	18,7	19,4	19,2	19,8	20,3
	6H	21,9	22,5	22,4	23,0	23,5	19,0	19,5	19,5	20,0	20,5
	8H	22,3	22,8	22,8	23,2	23,8	19,1	19,6	19,6	20,1	20,6
	12H	22,7	23,1	23,2	23,6	24,1	19,2	19,6	19,7	20,1	20,7
12H	4H	21,4	22,1	21,9	22,5	23,0	18,8	19,3	19,3	19,8	20,3
	6H	22,0	22,4	22,5	22,9	23,5	19,1	19,5	19,6	20,0	20,6
	8H	22,3	22,7	22,8	23,2	23,8	19,2	19,6	19,8	20,1	20,7

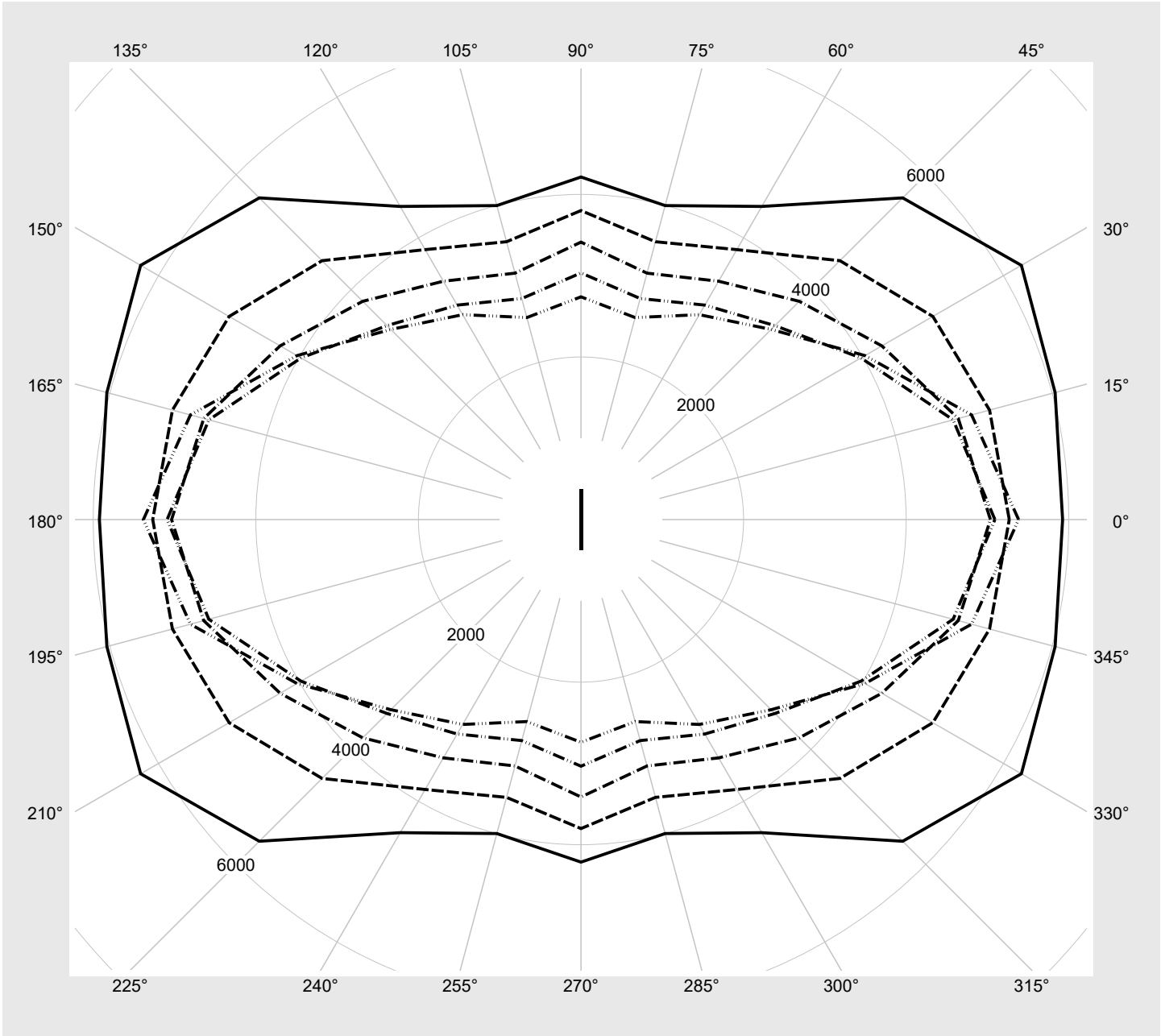
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	45°	17971.3	19099.9	20905.1	18821.4	13359.8	9923.2	9216.0	
50°	50°	12867.9	13750.1	15356.8	13692.3	9582.2	7257.2	6906.3	
55°	55°	9423.4	10026.3	11206.1	9834.5	6997.1	5652.2	5594.9	
60°	60°	7210.4	7542.5	8229.9	7295.3	5420.4	4647.6	4776.3	
65°	65°	5924.3	6038.1	6255.2	5596.5	4447.8	3998.9	4214.1	
70°	70°	5268.3	5203.2	4997.7	4504.1	3834.4	3538.4	3801.4	
75°	75°	5036.5	4804.4	4273.5	3797.2	3385.6	3138.1	3413.1	
80°	80°	5091.5	4739.3	3976.8	3374.0	3046.4	2814.9	3034.2	
85°	85°	5383.0	4974.1	4033.9	3308.2	2910.5	2572.8	2740.0	

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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	8000	45.3
95	241	252	7612	43.0
90	227	250	7194	40.4
85	214	248	6806	38.2
80	201	245	6412	36.0
75	188	243	6014	33.7
70	174	240	5586	31.4
65	162	238	5214	29.3
60	149	234	4810	27.0
55	136	231	4402	24.9
50	123	227	3990	22.6
45	111	224	3608	20.6
40	98	219	3194	18.5
35	86	214	2806	16.5
30	73	208	2387	14.3
25	61	202	1996	12.2
20	49	194	1605	10.2
15	37	183	1210	8.2
10	25	169	813	6.2
5	12	142	385	4.1
2	5	110	150	3.0