

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TD1BVN48XG**  
**EAN: 4058352979570**

**LP-Nummer**  
**58522\_257**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI CLO  
**Bemessungswerte** Nettolichtstrom = 8000 lm  
 Systemleistung = 48.3 W  
 Lichtausbeute = 165.6 lm/W

**Seriendokumentation**  
07.11.2023

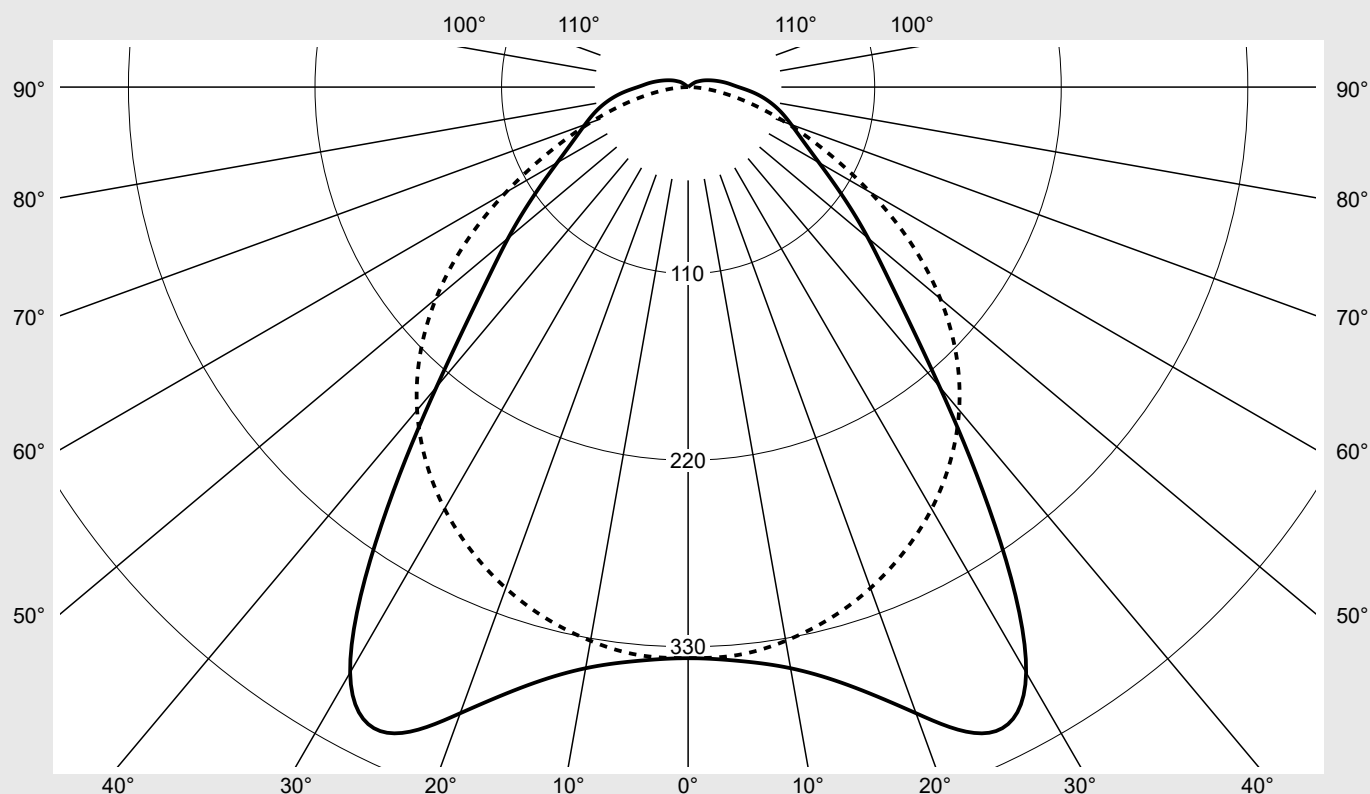
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 420 cd/klm**



### Klassifizierungen

DIN 5040 A 4 1  
 CIE N1=54 N2=82 N3=95  
 N4=97 N5=100

### Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  96,8%  
 $\phi_o$  3,2%

### Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 21 Protected	<b>Bestell-Nr.: 52TD1BVN48XG</b> <b>EAN: 4058352979570</b>	<b>LP-Nummer</b> <b>58522_257</b>
---	---	--------------------------------------

<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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	0.8	0.8	0.9	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

## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 21 Protected	<b>Bestell-Nr.: 52TD1BVN48XG</b> <b>EAN: 4058352979570</b>	<b>LP-Nummer</b> 58522_257
---	---	-------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	20,4	22,0	20,8	22,3	22,7	22,3	23,9	22,6	24,2	24,5
	3H	21,6	23,0	21,9	23,4	23,7	23,3	24,8	23,7	25,1	25,4
	4H	22,3	23,6	22,6	24,0	24,4	23,6	25,0	24,0	25,4	25,7
	6H	23,0	24,3	23,4	24,7	25,1	23,9	25,2	24,3	25,5	25,9
	8H	23,4	24,6	23,8	25,0	25,4	24,0	25,2	24,4	25,6	26,0
	12H	23,8	24,9	24,2	25,3	25,8	24,1	25,2	24,5	25,6	26,0
4H	2H	21,2	22,6	21,6	23,0	23,3	22,7	24,1	23,1	24,5	24,8
	3H	22,6	23,8	23,0	24,2	24,6	24,0	25,2	24,4	25,6	26,0
	4H	23,4	24,5	23,8	24,9	25,3	24,5	25,6	24,9	26,0	26,4
	6H	24,3	25,2	24,8	25,7	26,1	24,8	25,8	25,3	26,2	26,7
	8H	24,8	25,6	25,2	26,1	26,5	25,0	25,8	25,4	26,3	26,7
	12H	25,3	26,0	25,7	26,5	27,0	25,1	25,8	25,6	26,3	26,8
8H	4H	23,8	24,7	24,3	25,1	25,6	24,8	25,6	25,2	26,1	26,5
	6H	24,9	25,6	25,4	26,1	26,6	25,3	26,0	25,8	26,5	27,0
	8H	25,5	26,1	26,0	26,6	27,1	25,5	26,1	26,0	26,6	27,1
	12H	26,1	26,7	26,6	27,2	27,7	25,7	26,2	26,2	26,7	27,2
12H	4H	23,9	24,6	24,4	25,1	25,6	24,8	25,6	25,3	26,0	26,5
	6H	25,0	25,6	25,5	26,1	26,6	25,4	26,0	25,9	26,5	27,0
	8H	25,7	26,2	26,2	26,7	27,3	25,7	26,2	26,2	26,7	27,2

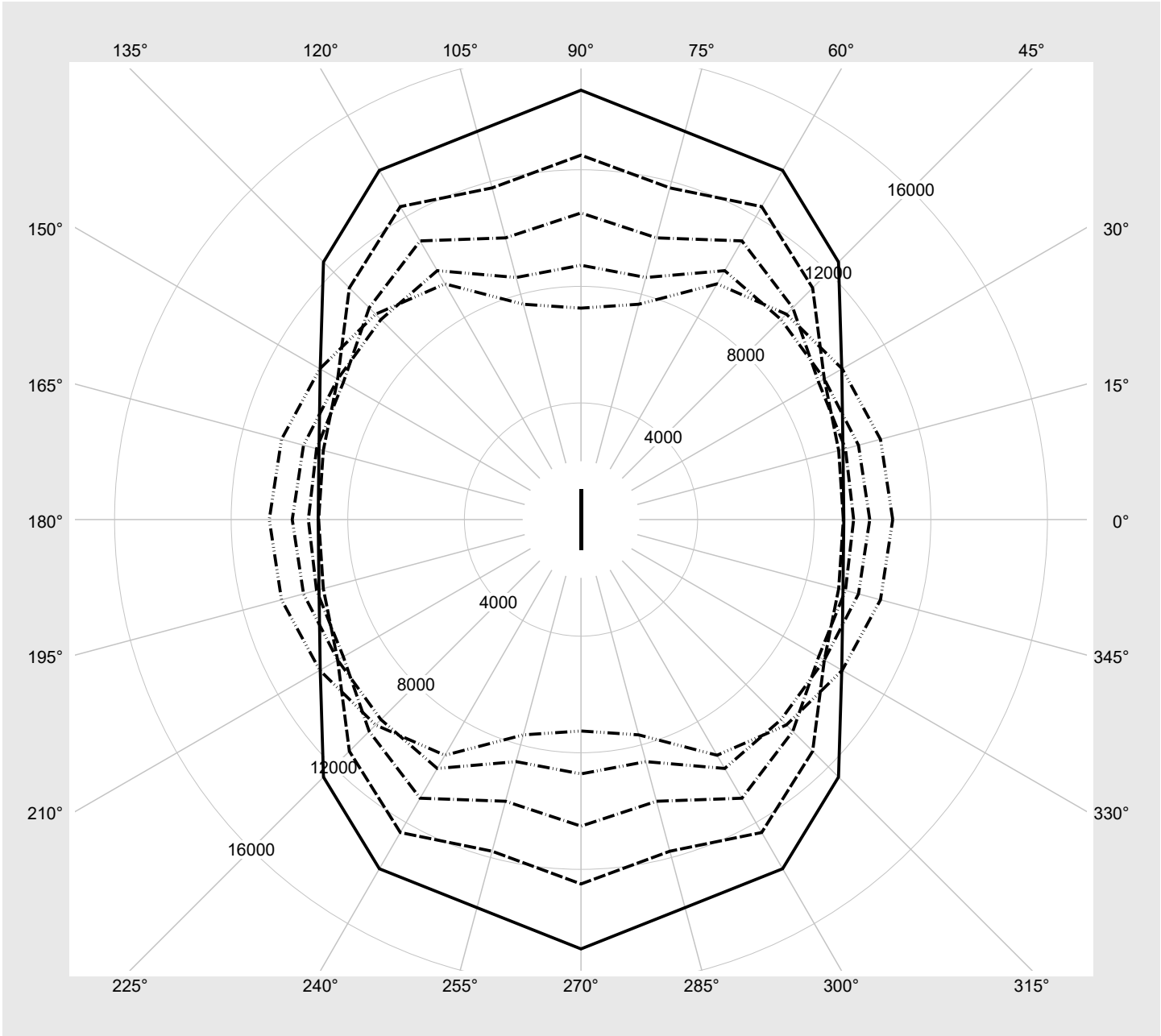
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
--	--	------------------------	---------------------------

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°	14605.9	15373.0	17607.1	21023.5	23363.2	22546.5	21915.7	
50°	50°	12455.5	13068.0	14866.9	17802.3	20466.4	20984.3	20928.7	
55°	55°	10789.9	11345.0	13046.0	15543.8	17775.0	18653.2	19376.1	
60°	60°	9586.3	10015.3	11487.1	13912.8	15564.1	16105.6	17178.4	
65°	65°	9015.8	9304.1	10328.9	12492.5	13832.8	13783.2	14729.2	
70°	70°	8999.7	9151.8	9638.7	11238.0	12396.5	11779.1	12501.0	
75°	75°	9352.6	9391.4	9413.9	10275.2	11038.4	10004.6	10517.7	
80°	80°	9905.4	9854.0	9638.4	9705.3	9860.0	8597.7	8725.2	
85°	85°	10693.3	10635.3	10345.3	9964.5	9336.7	7646.9	7253.2	

**Lichttechnischer Prüfbefund**

<b>Familie</b> Licross® 21 Protected	<b>Bestell-Nr.: 52TD1BVN48XG</b> <b>EAN: 4058352979570</b>	<b>LP-Nummer</b> <b>58522_257</b>
---	---	--------------------------------------

**Leuchtdichten in cd/m²**      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 21 Protected	<b>Bestell-Nr.: 52TD1BVN48XG</b> <b>EAN: 4058352979570</b>	<b>LP-Nummer</b> <b>58522_257</b>
---	---	--------------------------------------

<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>siteco</b>
---------------------------	---------------------------	---------------

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	8000	48.3	57.5	52.9
95	240	252	7586	45.7	54.3	50.0
90	227	250	7198	43.3	51.4	47.3
85	214	248	6808	40.7	48.4	44.6
80	200	245	6388	38.2	45.4	41.8
75	187	243	5992	35.8	42.5	39.2
70	174	240	5593	33.4	39.5	36.4
65	161	237	5193	31.0	36.7	33.8
60	148	234	4788	28.7	33.8	31.2
55	136	231	4411	26.5	31.2	28.8
50	123	227	4002	24.1	28.3	26.2
45	110	223	3588	21.7	25.5	23.6
40	98	219	3203	19.6	22.9	21.2
35	85	214	2784	17.3	20.1	18.7
30	73	208	2395	15.1	17.6	16.4
25	61	202	2004	12.9	15.0	14.0
20	49	194	1612	10.8	12.5	11.6
15	37	183	1216	8.6	9.8	9.2
10	24	168	784	6.3	7.1	6.7
5	12	142	387	4.2	4.7	4.4
2	5	110	152	3.0	3.2	3.1