

## Lichttechnischer Prüfbefund

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



**Bestell-Nr.: 52TD12DND75F**  
**EAN: 4058352455012**

**LP-Nummer**  
**58524\_52**

**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 90  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 7710 lm  
 Systemleistung = 61.0 W  
 Lichtausbeute = 126.4 lm/W

**Seriendokumentation**  
**08.12.2020**

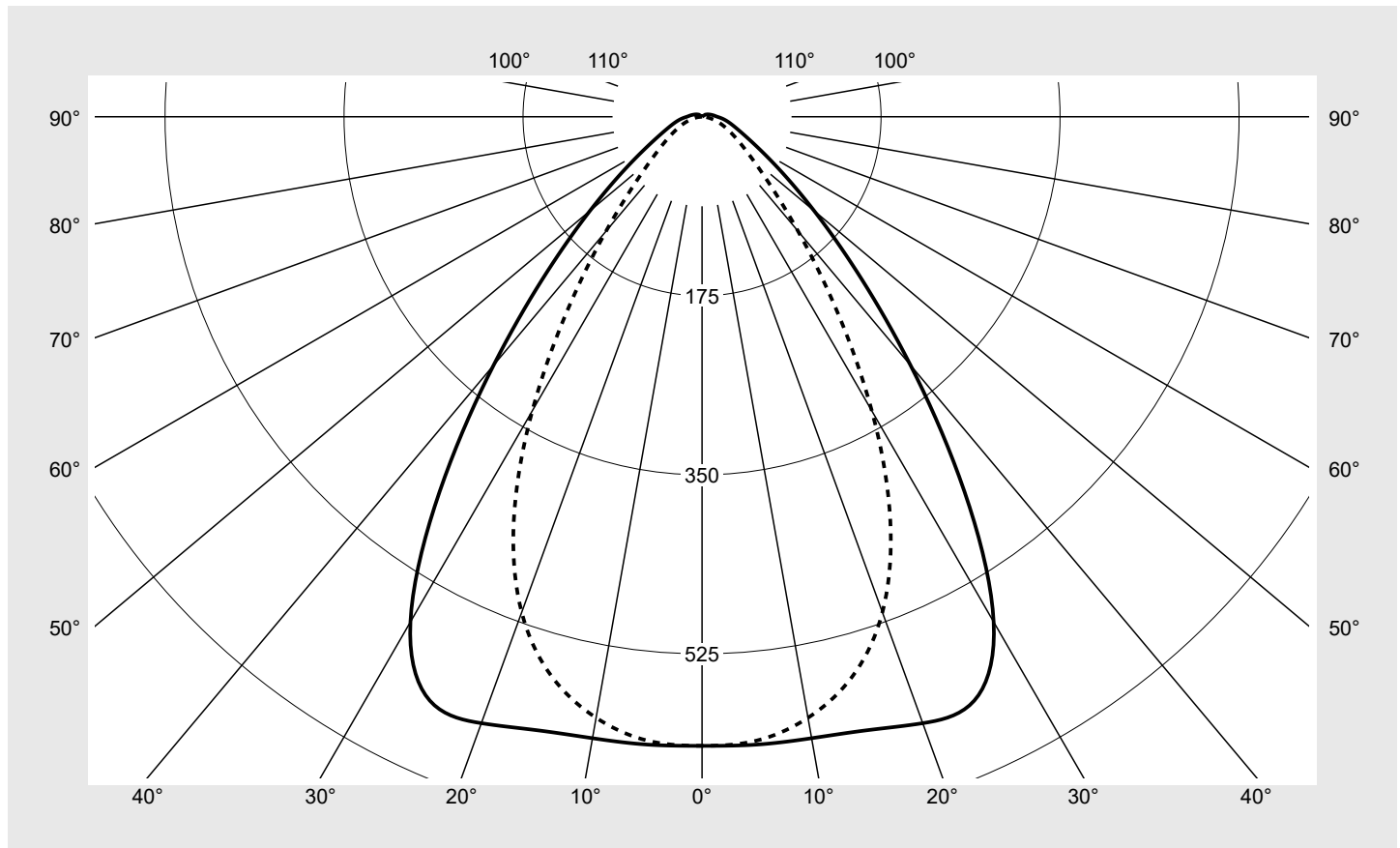
**siteco**

**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

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Licross® 21 Protected</b>	<b>Bestell-Nr.: 52TD12DND75F</b> <b>EAN: 4058352455012</b>	<b>LP-Nummer</b> <b>58524_52</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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
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

## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 21 Protected	<b>Bestell-Nr.: 52TD12DND75F</b> <b>EAN: 4058352455012</b>	<b>LP-Nummer</b> 58524_52
-----------------------------------------	---------------------------------------------------------------	------------------------------

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	20,4	21,8	20,7	22,1	22,4	17,1	18,5	17,5	18,8	19,2
	3H	20,8	22,0	21,2	22,4	22,7	17,5	18,7	17,8	19,1	19,4
	4H	21,0	22,2	21,4	22,5	22,9	17,6	18,8	18,0	19,2	19,5
	6H	21,3	22,4	21,7	22,7	23,1	17,7	18,8	18,1	19,2	19,6
	8H	21,6	22,5	22,0	22,8	23,2	17,8	18,8	18,2	19,2	19,6
	12H	21,7	22,6	22,1	23,0	23,4	17,8	18,8	18,3	19,2	19,6
4H	2H	20,4	21,6	20,8	22,0	22,3	17,6	18,8	18,0	19,1	19,5
	3H	21,0	22,0	21,4	22,4	22,8	18,1	19,1	18,5	19,5	19,9
	4H	21,3	22,2	21,7	22,6	23,0	18,3	19,2	18,8	19,6	20,1
	6H	21,7	22,5	22,2	22,9	23,4	18,5	19,3	19,0	19,7	20,2
	8H	22,0	22,6	22,4	23,1	23,6	18,6	19,3	19,1	19,7	20,2
	12H	22,3	22,8	22,7	23,3	23,8	18,7	19,3	19,2	19,7	20,2
8H	4H	21,3	22,0	21,8	22,5	22,9	18,6	19,2	19,0	19,7	20,2
	6H	21,8	22,4	22,3	22,9	23,4	18,8	19,4	19,3	19,9	20,4
	8H	22,1	22,6	22,6	23,1	23,6	19,0	19,5	19,5	19,9	20,5
	12H	22,5	22,9	23,0	23,4	24,0	19,1	19,5	19,6	20,0	20,5
12H	4H	21,3	21,9	21,8	22,4	22,9	18,6	19,2	19,1	19,7	20,2
	6H	21,8	22,3	22,3	22,8	23,3	19,0	19,4	19,5	19,9	20,4
	8H	22,2	22,6	22,7	23,1	23,6	19,1	19,5	19,6	20,0	20,6

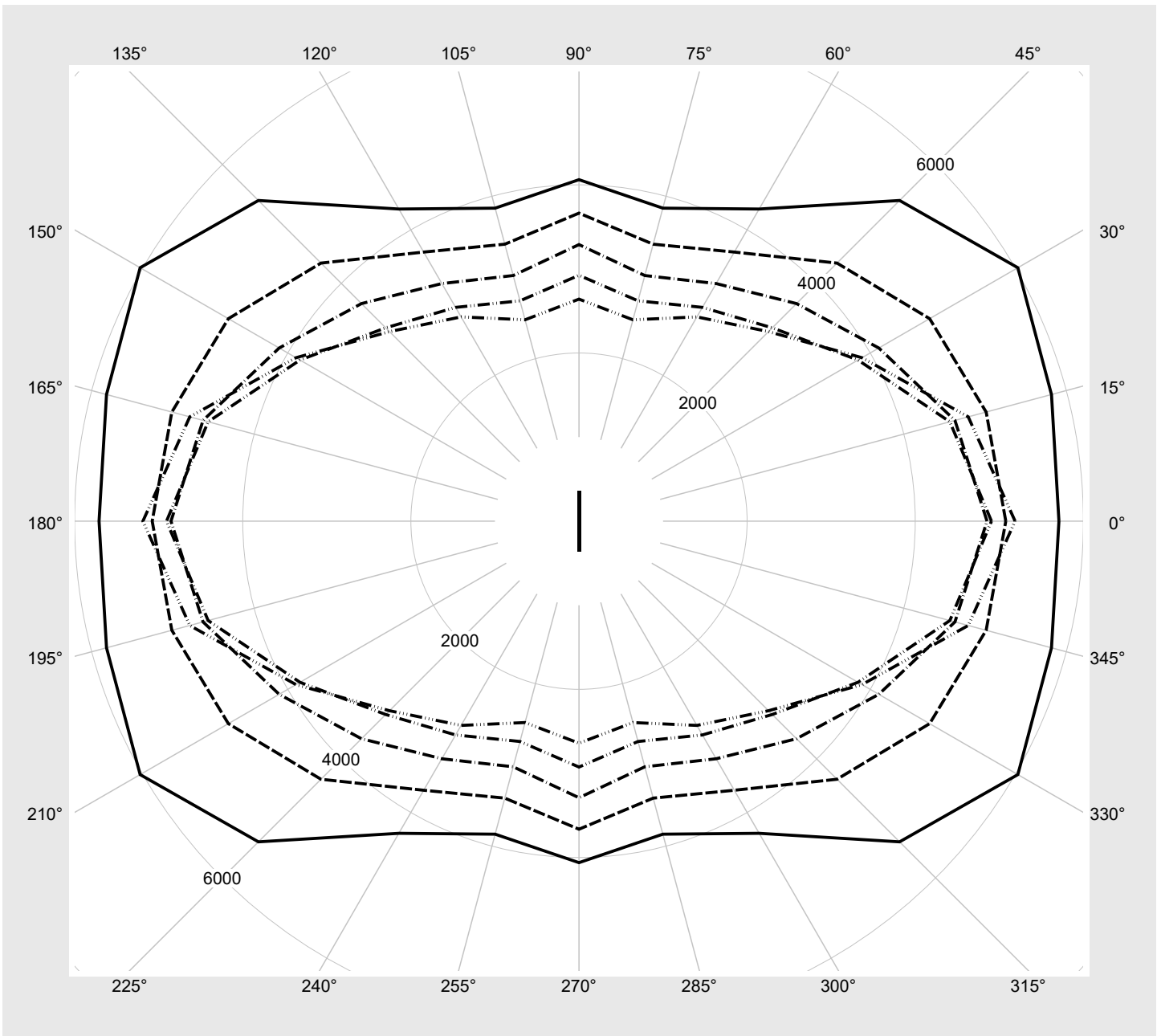
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
--------------------------------------------------------------	------------------------------------------------------------	------------------------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

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°	17319.8	18407.5	20147.3	18139.1	12875.5	9563.4	8881.9		
50°	12401.4	13251.6	14800.1	13195.9	9234.9	6994.1	6656.0		
55°	9081.8	9662.8	10799.9	9478.0	6743.4	5447.4	5392.0		
60°	6949.0	7269.1	7931.5	7030.9	5223.9	4479.1	4603.2		
65°	5709.6	5819.2	6028.4	5393.6	4286.6	3854.0	4061.3		
70°	5077.3	5014.6	4816.6	4340.8	3695.4	3410.1	3663.6		
75°	4853.9	4630.3	4118.6	3659.5	3262.9	3024.4	3289.3		
80°	4906.9	4567.5	3832.7	3251.7	2935.9	2712.9	2924.2		
85°	5187.9	4793.8	3887.7	3188.3	2805.0	2479.5	2640.7		

**Lichttechnischer Prüfbefund**

<b>Familie</b> Licross® 21 Protected	<b>Bestell-Nr.: 52TD12DND75F</b> <b>EAN: 4058352455012</b>	<b>LP-Nummer</b> <b>58524_52</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.: 52TD12DND75F</b> <b>EAN: 4058352455012</b>	<b>LP-Nummer</b> <b>58524_52</b>
-----------------------------------------	---------------------------------------------------------------	-------------------------------------

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

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	7710	61.0
95	239	252	7312	57.3
90	225	250	6933	53.8
85	211	247	6546	50.4
80	198	245	6182	47.2
75	184	242	5783	43.8
70	171	240	5403	40.7
65	158	237	5023	37.5
60	145	233	4633	34.4
55	132	230	4239	31.5
50	119	226	3841	28.4
45	107	222	3469	25.6
40	95	218	3092	22.8
35	83	213	2712	20.2
30	71	207	2327	17.4
25	59	201	1939	14.8
20	47	192	1548	12.1
15	35	181	1151	9.4
10	24	168	785	6.9
5	12	142	381	4.4
1	4	102	110	2.6