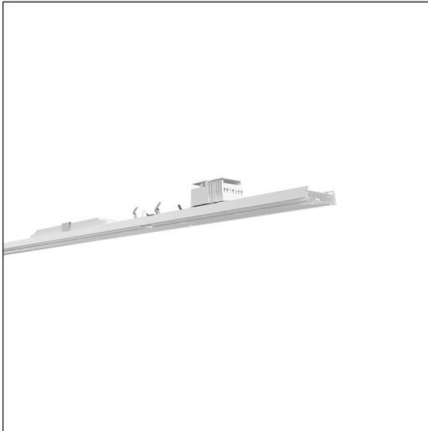


## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TL12DND75F**  
**EAN: 4058352453995**

**LP-Nummer**  
**59101\_6**



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

**Bestückung** LED 4000 K | CRI ≥ 90

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 7960 lm  
Systemleistung = 61.1 W  
Lichtausbeute = 130.3 lm/W

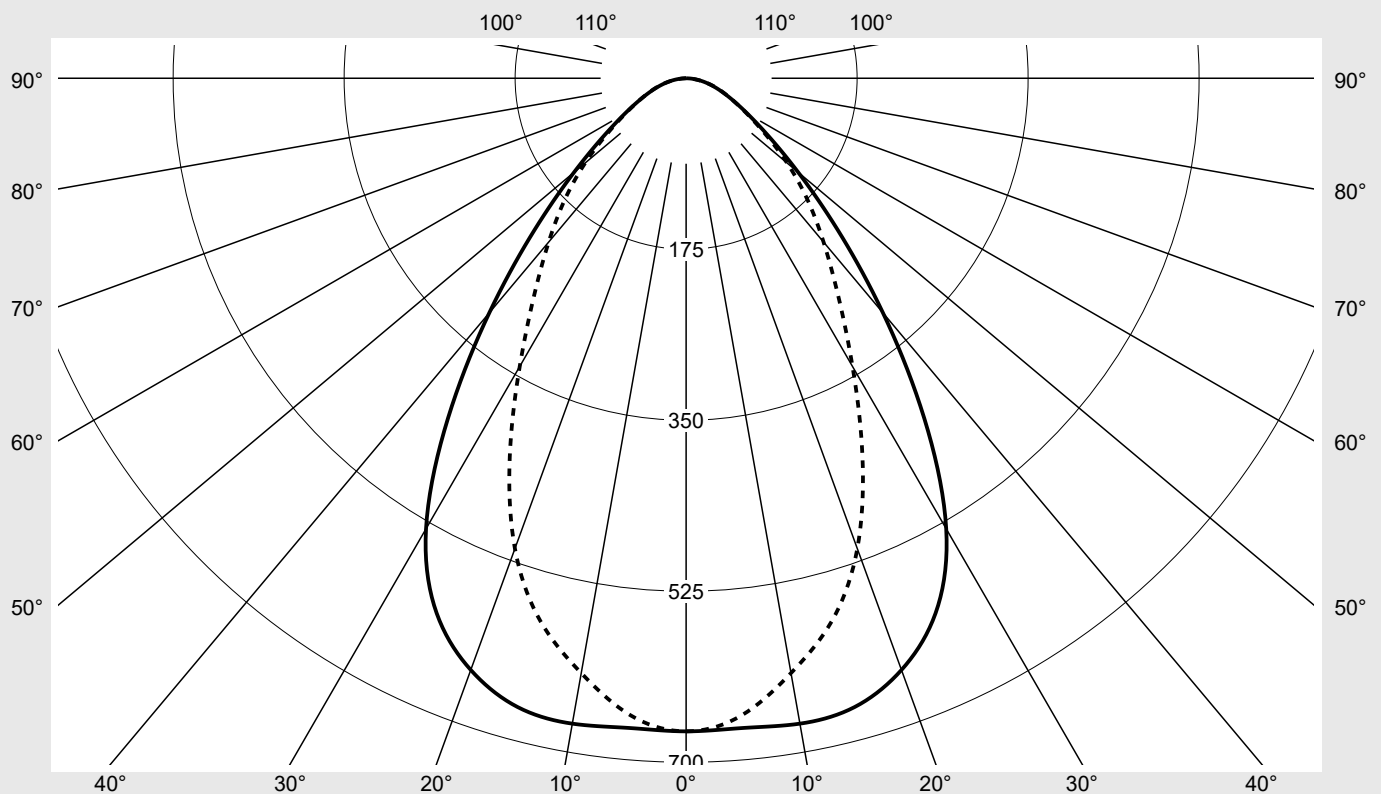
**Seriendokumentation**  
**07.12.2020**

**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

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Licross® 21 Recessed</b>	<b>Bestell-Nr.: 52TL12DND75F</b> <b>EAN: 4058352453995</b>	<b>LP-Nummer</b> <b>59101_6</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°	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

## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 21 Recessed	<b>Bestell-Nr.: 52TL12DND75F</b> <b>EAN: 4058352453995</b>	<b>LP-Nummer</b> 59101_6
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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,0	22,4	21,3	22,7	23,0	20,9	22,3	21,3	22,6	23,0
	3H	21,5	22,8	21,9	23,1	23,5	21,7	22,9	22,1	23,3	23,6
	4H	21,8	23,0	22,2	23,3	23,7	22,0	23,2	22,4	23,5	23,9
	6H	22,1	23,1	22,5	23,5	23,9	22,3	23,3	22,7	23,7	24,1
	8H	22,3	23,2	22,7	23,6	24,0	22,4	23,4	22,8	23,8	24,2
	12H	22,3	23,2	22,7	23,6	24,0	22,5	23,4	22,9	23,7	24,2
4H	2H	21,1	22,3	21,5	22,7	23,0	21,1	22,3	21,5	22,6	23,0
	3H	21,8	22,8	22,2	23,2	23,6	22,0	23,0	22,5	23,4	23,8
	4H	22,1	23,0	22,6	23,4	23,8	22,5	23,4	22,9	23,8	24,2
	6H	22,4	23,2	22,9	23,6	24,1	22,8	23,6	23,3	24,0	24,5
	8H	22,6	23,3	23,1	23,7	24,2	23,0	23,7	23,4	24,1	24,6
	12H	22,7	23,3	23,2	23,8	24,3	23,1	23,7	23,6	24,1	24,6
8H	4H	22,2	22,9	22,7	23,3	23,8	22,5	23,2	23,0	23,7	24,1
	6H	22,6	23,1	23,1	23,6	24,1	23,0	23,5	23,5	24,0	24,5
	8H	22,7	23,2	23,2	23,7	24,2	23,1	23,6	23,6	24,1	24,6
	12H	22,9	23,3	23,4	23,8	24,3	23,3	23,7	23,8	24,2	24,7
12H	4H	22,2	22,8	22,7	23,3	23,8	22,6	23,1	23,1	23,6	24,1
	6H	22,6	23,0	23,1	23,5	24,1	23,0	23,5	23,5	23,9	24,5
	8H	22,7	23,1	23,3	23,7	24,2	23,2	23,6	23,7	24,1	24,6

## 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°		28365.4	25923.5	22730.8	22143.6	23523.4	23898.8	22711.6
50°		21306.1	18870.4	16029.0	16555.0	18930.5	20727.2	19195.2
55°		16376.8	14217.0	11918.7	13004.2	15645.1	17219.4	15641.1
60°		13245.1	11369.6	9388.8	10676.3	13132.5	14000.6	12988.3
65°		11279.8	9600.4	7782.5	9011.3	11138.0	11724.2	11268.9
70°		10051.7	8475.6	6608.6	7772.3	9514.3	10272.7	10246.8
75°		9190.8	7528.6	5738.5	6708.8	8099.2	9141.7	9471.2
80°		8477.2	6608.8	4862.2	5503.4	6653.1	7823.9	8294.4
85°		7351.6	5662.5	3998.6	4311.4	5068.3	5935.4	6128.6

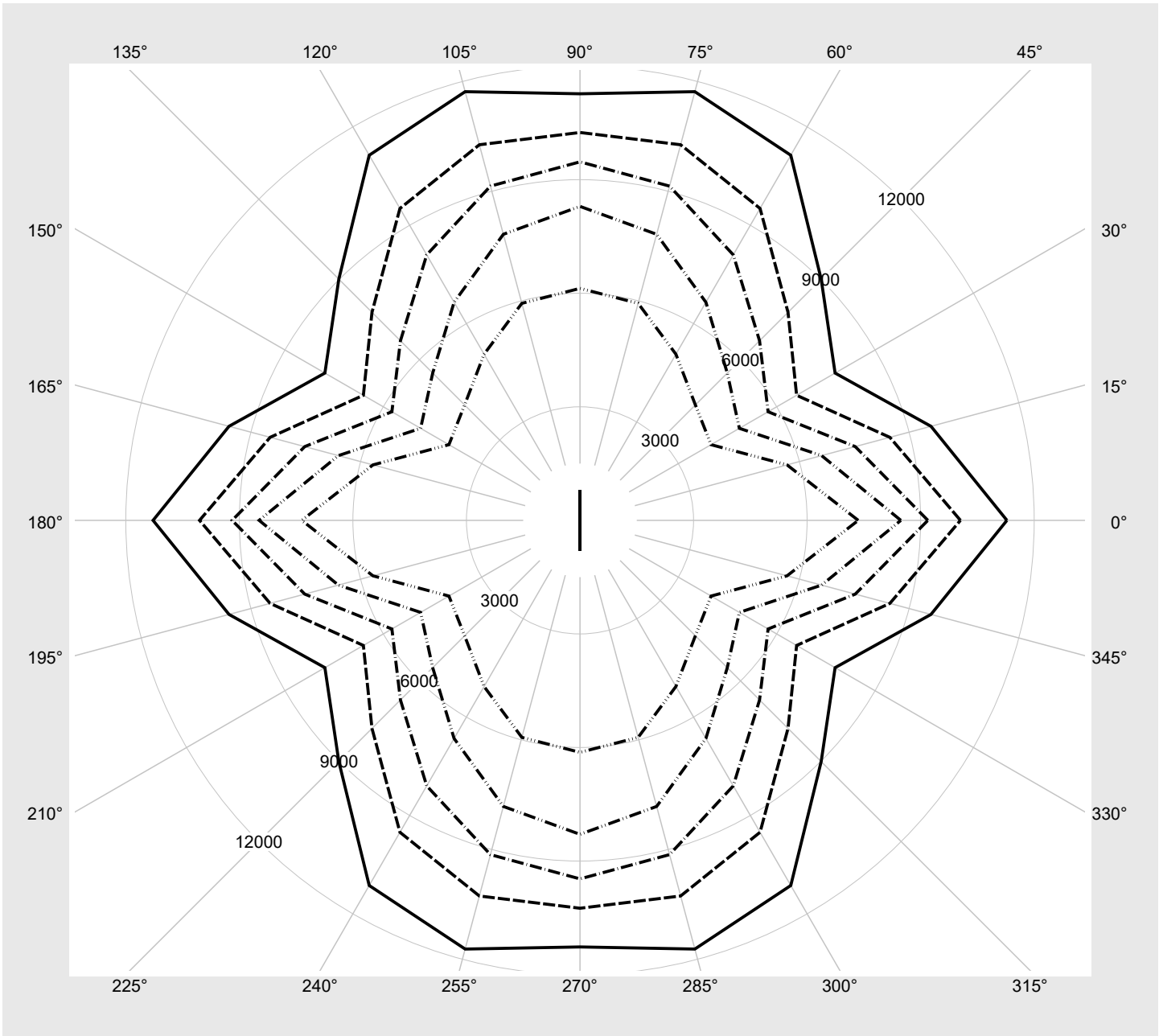
**Lichttechnischer Prüfbefund**

<b>Familie</b> <b>Licross® 21 Recessed</b>	<b>Bestell-Nr.: 52TL12DND75F</b> <b>EAN: 4058352453995</b>	<b>LP-Nummer</b> <b>59101_6</b>
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**Leuchtdichten in cd/m²**

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



## Lichttechnischer Prüfbefund

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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	7960	61.1
95	240	252	7575	57.6
90	225	250	7155	53.9
85	211	247	6754	50.4
80	198	245	6377	47.2
75	184	242	5964	43.8
70	171	240	5572	40.7
65	158	237	5179	37.5
60	145	233	4776	34.4
55	132	230	4370	31.5
50	120	227	3990	28.6
45	107	222	3575	25.6
40	95	218	3187	22.9
35	83	213	2794	20.2
30	71	207	2398	17.5
25	59	201	1997	14.8
20	47	192	1594	12.1
15	35	181	1185	9.4
10	24	168	808	6.9
5	12	142	392	4.4
1	4	102	113	2.6