

## Lichttechnischer Prüfbefund

## Familie

Licross® 21 Recessed

Bestell-Nr.: 52TE12DV4FXG3S

EAN: 4058352907993

LP-Nummer

59101\_317



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

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Einstellung** AC-Betrieb

**Bemessungswerte**  
 Nettolichtstrom = 15420 lm  
 Systemleistung = 89.1 W  
 Lichtausbeute = 173.1 lm/W

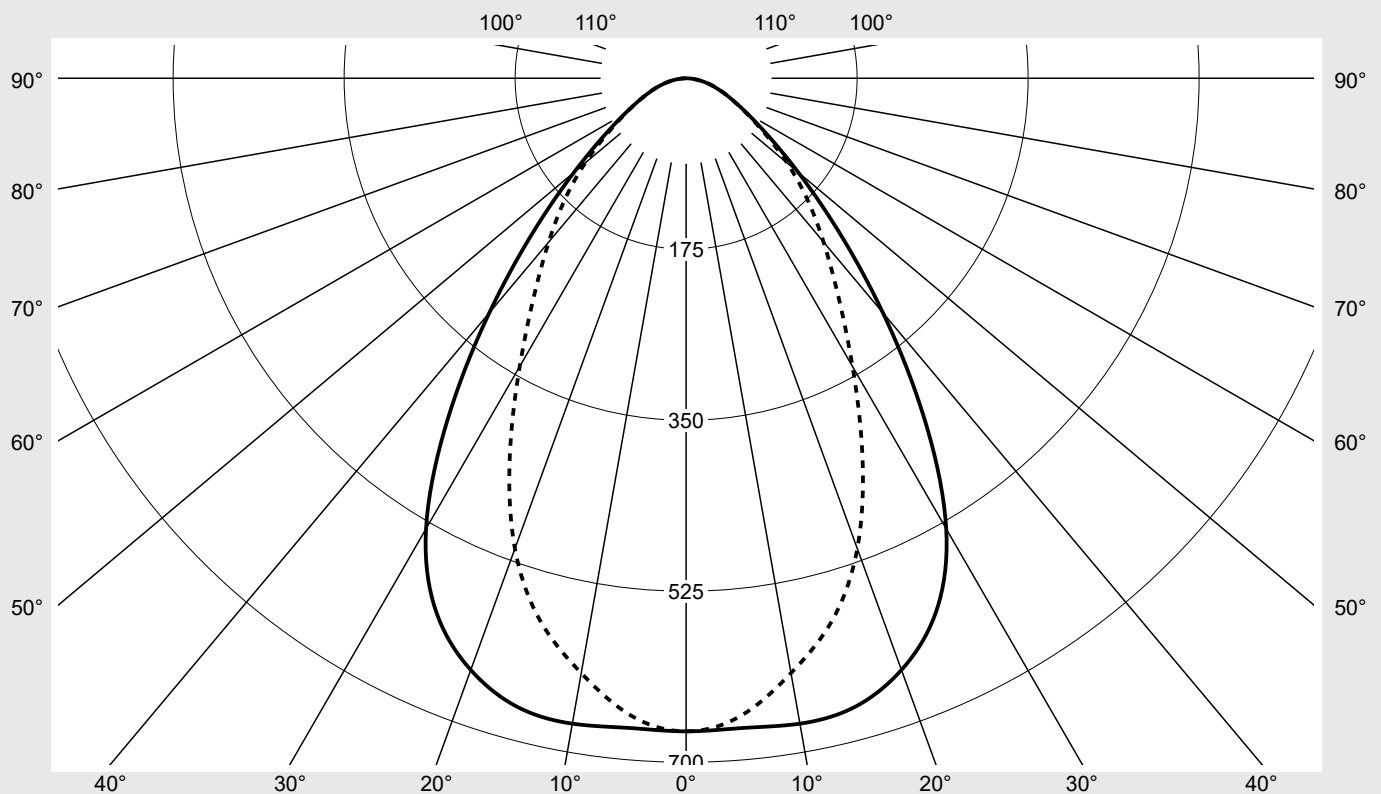
Seriendokumentation  
 17.08.2023

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

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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°	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

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

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 2250 B = 58
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C-Ebenen	$\gamma$	Leuchtdichte in $\text{cd/m}^2$						
		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°		36632.7	33479.1	29355.8	28597.5	30379.5	30864.3	29331.1
50°		27516.0	24370.3	20700.8	21380.0	24447.9	26768.3	24789.8
55°		21149.9	18360.6	15392.5	16794.3	20205.0	22238.1	20199.8
60°		17105.4	14683.4	12125.2	13788.0	16960.1	18081.2	16773.9
65°		14567.3	12398.5	10050.8	11637.8	14384.2	15141.3	14553.4
70°		12981.4	10945.8	8534.7	10037.6	12287.3	13266.8	13233.2
75°		11869.6	9722.9	7411.0	8664.2	10459.8	11806.1	12231.6
80°		10947.9	8535.0	6279.3	7107.4	8592.2	10104.2	10711.8
85°		9494.3	7312.9	5164.0	5568.0	6545.5	7665.4	7914.8

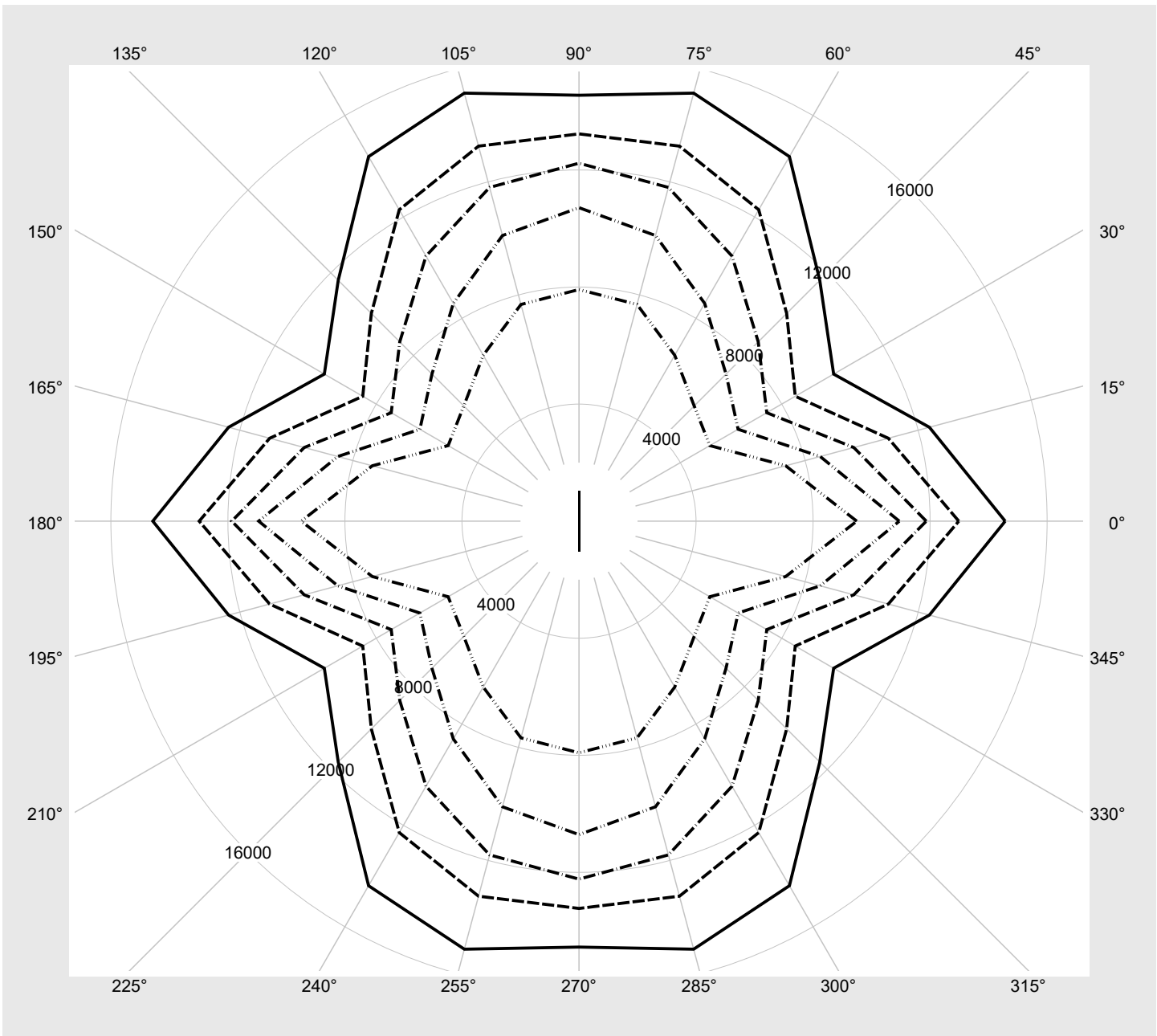
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**Leuchtdichten in cd/m²**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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<b>Dimmstufen-Tabelle</b>		<b>sITeco</b>
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	15420	89.1
95	240	252	14644	84.5
90	226	250	13858	79.9
85	213	248	13119	75.5
80	199	245	12316	70.8
75	186	243	11558	66.5
70	173	240	10797	62.1
65	160	237	10030	57.8
60	147	234	9255	53.5
55	134	231	8471	49.2
50	122	227	7739	45.2
45	109	223	6940	41.1
40	97	219	6198	37.2
35	84	213	5386	33.0
30	72	208	4628	29.1
25	60	201	3866	25.3
20	48	193	3098	21.2
15	36	182	2325	17.1
10	24	168	1547	12.8
5	12	142	764	8.2
2	4	102	236	5.2