

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 52TL18VN465G**  
**EAN: 4058352979600**

**LP-Nummer**  
**59103\_293**



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

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI CLO

**Bemessungswerte** Nettolichtstrom = 6500 lm  
Systemleistung = 36.8 W  
Lichtausbeute = 176.6 lm/W

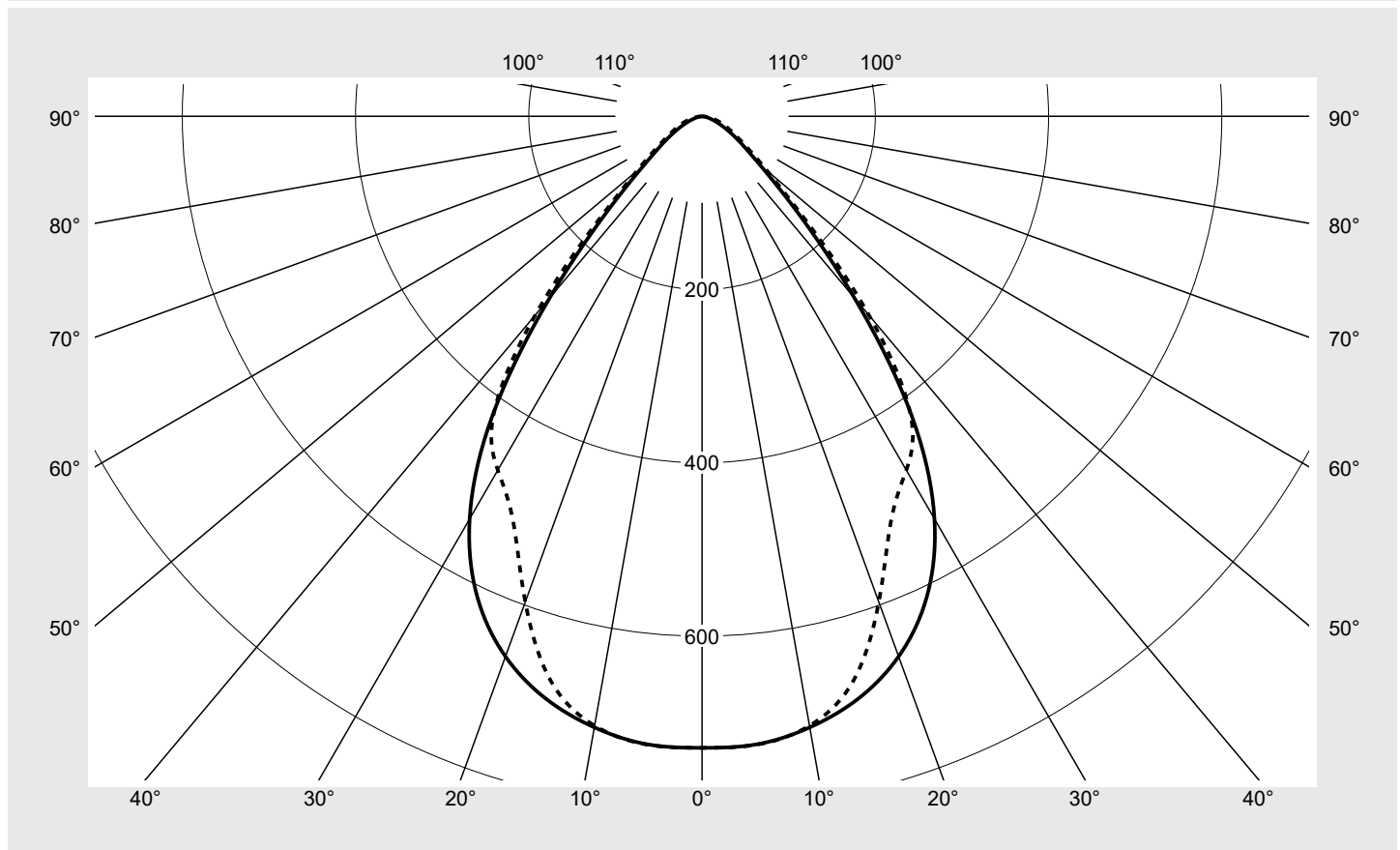
**Seriendokumentation**  
**07.11.2023**

**sITeco**

**Lichtstärke in cd/klm**

**C180-0** **C270-90**

**Imax: 729 cd/klm**



**Klassifizierungen**

DIN 5040 A 6 0  
CIE N1=79 N2=95 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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	728.9	728.9	728.9	728.9	728.9	728.9	728.9	4.4	4.4
5°	727.6	725.6	721.4	724.4	727.7	727.5	728.0	34.7	39.0
10°	716.2	715.8	711.3	714.1	716.0	714.5	714.3	68.0	107.0
15°	696.1	697.2	692.4	692.3	687.6	678.3	674.7	97.7	204.8
20°	663.5	665.6	659.3	649.0	628.4	605.3	596.6	119.9	324.7
25°	613.2	616.1	603.1	573.7	542.7	522.2	516.0	132.1	456.8
30°	536.6	538.7	513.6	472.5	462.2	468.1	471.5	135.2	592.0
35°	422.0	421.2	386.0	361.6	387.1	411.1	419.4	125.1	717.1
40°	273.6	269.8	241.4	246.2	279.1	295.4	299.7	95.1	812.2
45°	153.4	148.0	132.2	146.4	164.6	167.9	167.6	59.4	871.5
50°	87.1	86.0	88.4	95.4	105.5	102.0	98.3	39.9	911.4
55°	56.5	55.2	58.2	69.2	74.7	68.5	64.6	28.9	940.4
60°	37.8	37.4	39.6	46.2	52.4	47.5	45.7	20.9	961.3
65°	24.5	24.8	27.6	32.4	36.8	34.0	33.6	15.3	976.6
70°	15.3	15.7	18.0	22.8	25.8	24.5	24.5	10.9	987.5
75°	8.5	8.7	10.3	14.3	17.1	16.5	16.4	7.0	994.5
80°	4.5	4.6	5.3	7.4	9.6	9.5	9.0	3.9	998.3
85°	2.3	2.3	2.4	3.2	3.8	3.8	3.2	1.7	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	18,7	20,1	19,1	20,4	20,7	19,4	20,7	19,7	21,1	21,4
	3H	18,9	20,1	19,3	20,4	20,8	19,8	21,0	20,1	21,3	21,6
	4H	18,9	20,0	19,3	20,4	20,7	19,9	21,0	20,3	21,4	21,8
	6H	18,9	19,9	19,3	20,3	20,7	20,1	21,0	20,5	21,4	21,8
	8H	19,0	19,9	19,4	20,2	20,6	20,2	21,0	20,6	21,4	21,8
	12H	19,0	19,8	19,4	20,2	20,6	20,2	21,0	20,6	21,4	21,8
4H	2H	18,9	20,0	19,3	20,3	20,7	19,5	20,6	19,9	20,9	21,3
	3H	19,1	20,0	19,6	20,4	20,9	20,0	20,9	20,4	21,3	21,7
	4H	19,2	20,0	19,6	20,4	20,8	20,3	21,1	20,7	21,5	21,9
	6H	19,2	19,9	19,7	20,3	20,8	20,5	21,2	20,9	21,6	22,1
	8H	19,2	19,8	19,7	20,3	20,8	20,5	21,1	21,0	21,6	22,1
	12H	19,2	19,8	19,7	20,2	20,7	20,6	21,1	21,1	21,6	22,1
8H	4H	19,3	19,9	19,7	20,3	20,8	20,3	20,9	20,8	21,4	21,8
	6H	19,3	19,8	19,8	20,3	20,8	20,6	21,1	21,0	21,5	22,0
	8H	19,3	19,7	19,8	20,2	20,8	20,6	21,1	21,1	21,6	22,1
	12H	19,3	19,7	19,8	20,2	20,7	20,7	21,1	21,2	21,6	22,1
12H	4H	19,3	19,8	19,8	20,3	20,8	20,3	20,8	20,8	21,3	21,8
	6H	19,3	19,7	19,8	20,2	20,8	20,6	21,0	21,1	21,5	22,0
	8H	19,3	19,7	19,9	20,2	20,7	20,7	21,0	21,2	21,5	22,1

## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

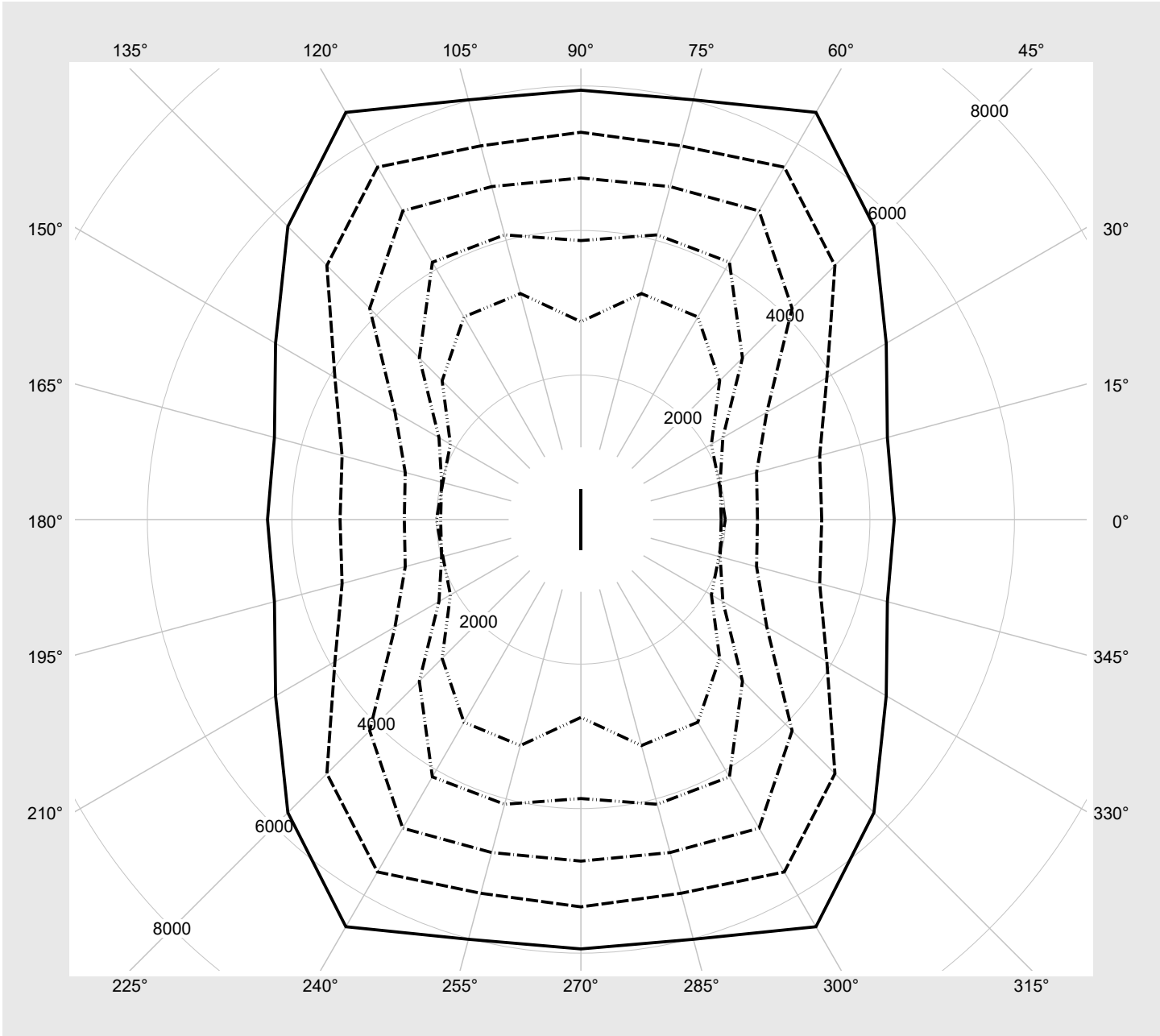
Lichttechnische Abmessungen in mm: L = 1500 B = 58

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°		16207.8	15634.7	13966.2	15463.3	17391.5	17739.6	17712.9
50°		10128.6	9996.0	10275.9	11089.0	12264.5	11852.0	11430.7
55°		7355.9	7187.5	7577.1	9019.8	9729.7	8927.5	8412.3
60°		5643.2	5582.7	5912.2	6904.3	7824.8	7097.6	6824.9
65°		4337.4	4391.2	4879.6	5735.4	6506.2	6013.3	5941.6
70°		3333.0	3421.7	3931.1	4972.0	5630.9	5354.1	5359.6
75°		2443.9	2516.9	2970.7	4134.0	4931.3	4770.5	4726.6
80°		1941.3	1995.5	2268.3	3162.4	4111.5	4078.8	3860.7
85°		1999.1	1977.6	2085.6	2715.7	3237.8	3237.8	2738.0

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Leuchtdichten in cd/m<sup>2</sup>       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°



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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] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	6500	36.8	43.6	40.2
95	241	252	6184	35.0	41.5	38.2
90	227	250	5841	33.0	39.1	36.0
85	214	248	5522	31.3	37.0	34.2
80	201	245	5198	29.4	34.8	32.1
75	188	243	4873	27.6	32.6	30.1
70	175	240	4548	25.8	30.4	28.1
65	162	238	4220	24.1	28.4	26.2
60	149	234	3888	22.3	26.2	24.2
55	137	231	3583	20.6	24.2	22.4
50	124	228	3248	18.9	22.1	20.5
45	111	224	2914	17.1	20.0	18.6
40	99	219	2602	15.5	18.0	16.8
35	86	214	2263	13.7	15.9	14.8
30	74	209	1950	12.0	14.0	13.0
25	62	202	1634	10.4	12.0	11.2
20	49	194	1290	8.7	9.9	9.3
15	37	183	973	7.0	8.0	7.5
10	25	169	653	5.4	6.1	5.8
5	13	145	334	3.8	4.1	4.0
2	6	117	145	2.9	3.0	3.0