

## Lichttechnischer Prüfbefund

## Familie

Licross® 21 Recessed

Bestell-Nr.: 52TE18DN495G

EAN: 4058352889886

LP-Nummer

59103\_243



## Ausführung

Abdeckung satiniert, medium strahlend, hoher Sehkomfort

## Bestückung

LED 4000 K | CRI ≥ 80

## Betriebsgerät

EVG-DALI

## Bemessungswerte

Nettolichtstrom = 9990 lm

Systemleistung = 58.0 W

Lichtausbeute = 172.2 lm/W

## Seriendokumentation

03.08.2023

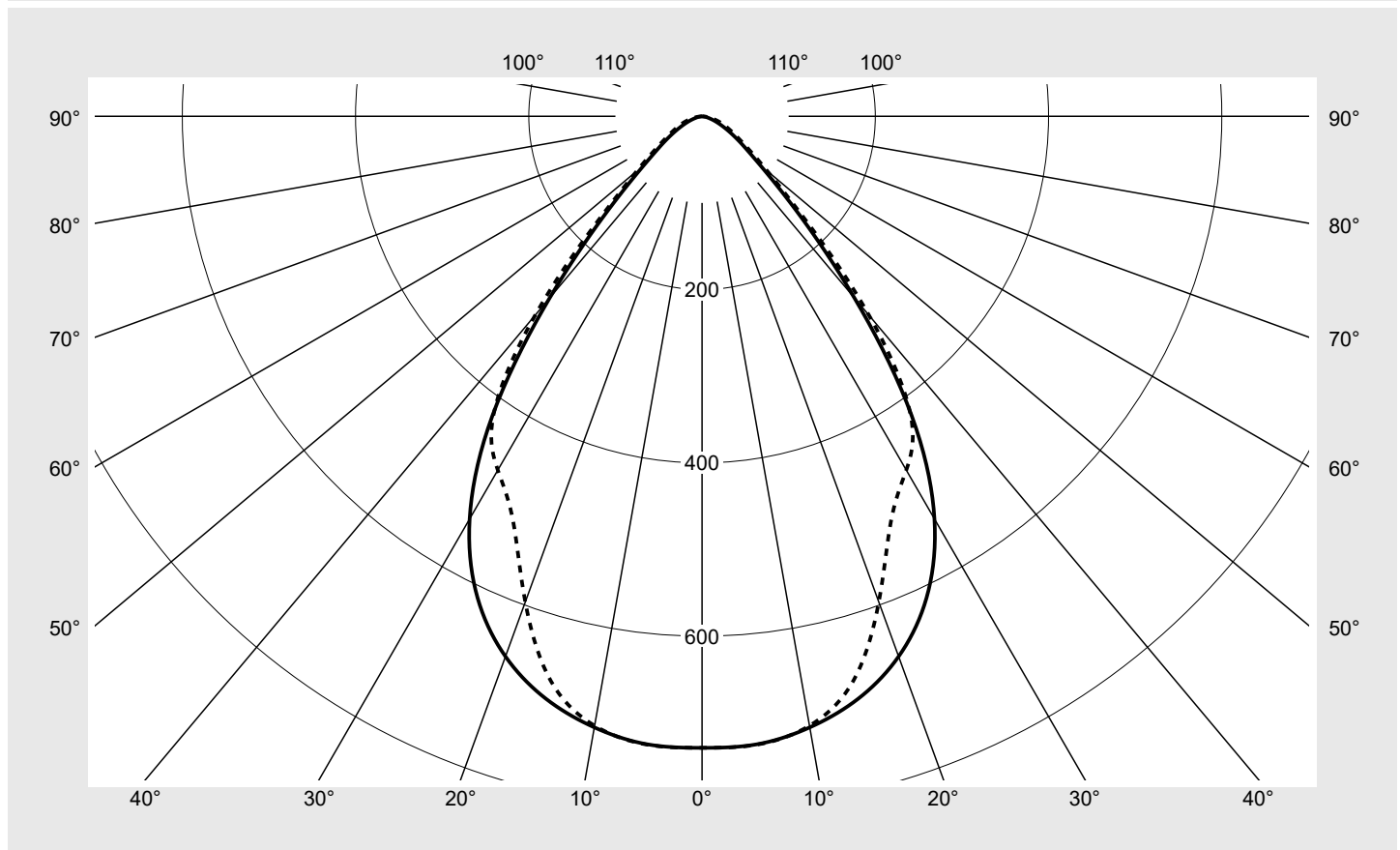
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## Lichtstärke in cd/klm

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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
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	20,2	21,6	20,6	21,9	22,2	20,9	22,2	21,2	22,5	22,9
	3H	20,4	21,6	20,8	21,9	22,3	21,3	22,5	21,6	22,8	23,1
	4H	20,4	21,5	20,8	21,9	22,2	21,4	22,5	21,8	22,9	23,3
	6H	20,4	21,4	20,8	21,8	22,2	21,5	22,5	22,0	22,9	23,3
	8H	20,5	21,3	20,9	21,7	22,1	21,6	22,5	22,1	22,9	23,3
	12H	20,5	21,3	20,9	21,7	22,1	21,6	22,5	22,1	22,9	23,3
4H	2H	20,4	21,5	20,8	21,8	22,2	21,0	22,1	21,4	22,4	22,8
	3H	20,6	21,5	21,0	21,9	22,3	21,5	22,4	21,9	22,8	23,2
	4H	20,7	21,5	21,1	21,9	22,3	21,8	22,6	22,2	23,0	23,4
	6H	20,7	21,4	21,2	21,8	22,3	22,0	22,7	22,4	23,1	23,6
	8H	20,7	21,3	21,2	21,8	22,2	22,0	22,6	22,5	23,1	23,6
	12H	20,7	21,2	21,2	21,7	22,2	22,1	22,6	22,6	23,1	23,6
8H	4H	20,7	21,4	21,2	21,8	22,3	21,8	22,4	22,3	22,9	23,3
	6H	20,8	21,3	21,3	21,8	22,3	22,0	22,6	22,5	23,0	23,5
	8H	20,8	21,2	21,3	21,7	22,3	22,1	22,6	22,6	23,1	23,6
	12H	20,8	21,2	21,3	21,7	22,2	22,2	22,6	22,7	23,1	23,6
12H	4H	20,8	21,3	21,3	21,8	22,3	21,8	22,3	22,3	22,8	23,3
	6H	20,8	21,2	21,3	21,7	22,3	22,0	22,5	22,6	23,0	23,5
	8H	20,8	21,2	21,3	21,7	22,2	22,1	22,5	22,7	23,0	23,6

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

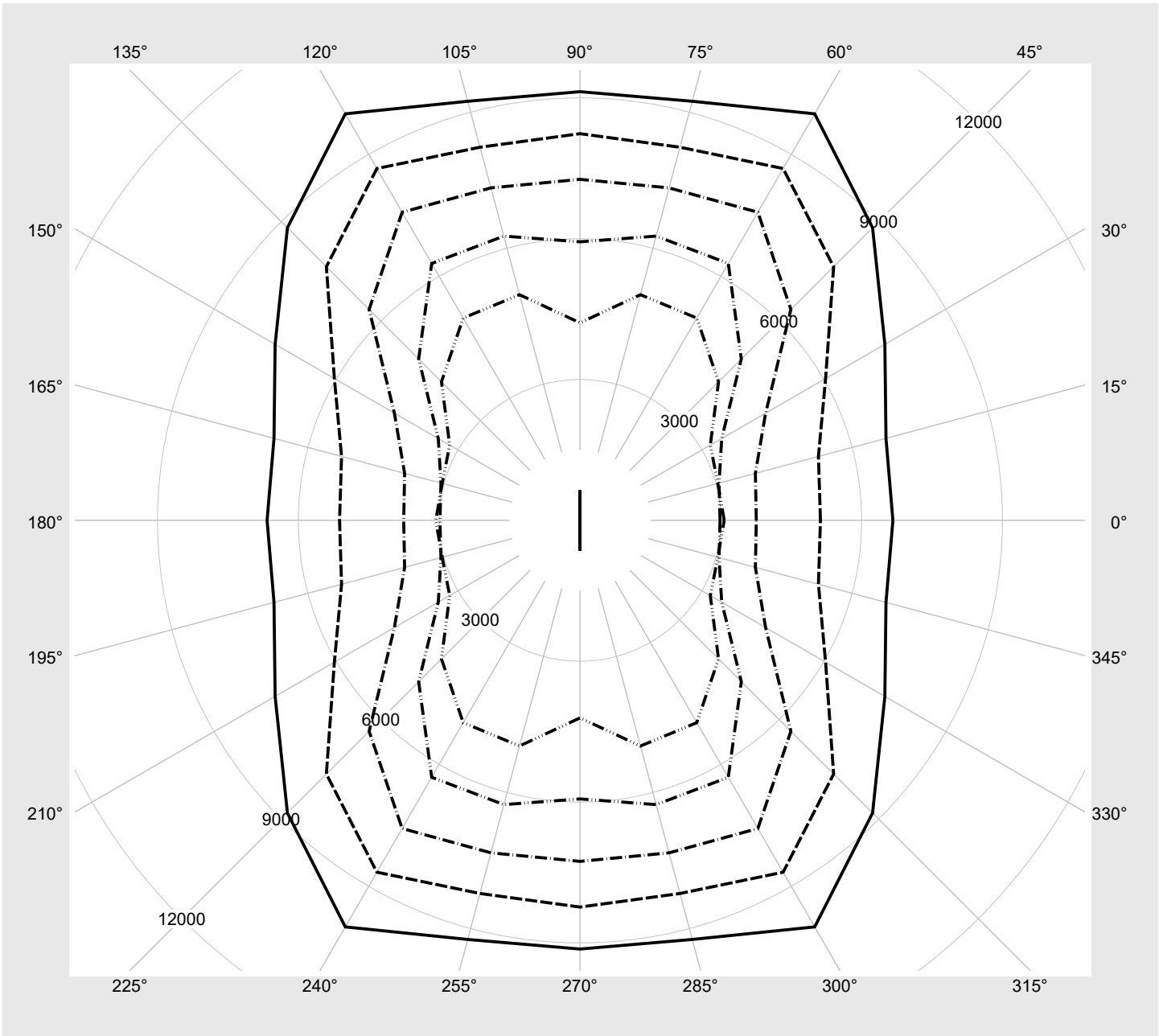
Lichttechnische Abmessungen in mm: **L = 1500**  
**B = 58**

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°		24910.1	24029.3	21465.0	23765.9	26729.4	27264.4	27223.3
50°		15566.9	15363.0	15793.2	17043.0	18849.6	18215.6	17568.2
55°		11305.5	11046.6	11645.4	13862.8	14953.8	13720.8	12929.0
60°		8673.2	8580.1	9086.5	10611.4	12026.1	10908.4	10489.3
65°		6666.3	6748.9	7499.6	8814.9	9999.6	9242.1	9131.7
70°		5122.6	5258.9	6041.9	7641.6	8654.2	8228.8	8237.2
75°		3756.0	3868.3	4565.7	6353.7	7579.0	7331.9	7264.5
80°		2983.6	3067.0	3486.2	4860.3	6319.1	6268.8	5933.5
85°		3072.4	3039.5	3205.5	4173.8	4976.2	4976.2	4208.1

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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]
100	254	254	9990	58.0
95	240	252	9487	54.8
90	226	250	8978	51.5
85	213	248	8499	48.7
80	199	245	7979	45.5
75	186	243	7488	42.6
70	173	240	6995	39.6
65	160	237	6498	36.8
60	147	234	5996	33.9
55	134	231	5488	31.0
50	122	227	5013	28.4
45	109	223	4496	25.5
40	97	219	4016	22.9
35	84	213	3489	20.1
30	72	208	2999	17.5
25	60	201	2505	15.0
20	48	193	2007	12.3
15	36	182	1507	9.7
10	24	168	1002	7.2
5	12	142	495	4.6
2	4	102	154	3.0