

## Lichttechnischer Prüfbefund

## Familie

Licross® 21 Recessed

Bestell-Nr.: 52TL12DN1E5M

EAN: 4058352971277

LP-Nummer

59446\_85



## Ausführung

Abdeckung satiniert, breit strahlend, hoher Sehkomfort

## Bestückung

LED 3500 K | CRI ≥ 80

## Betriebsgerät

EVG-DALI

## Bemessungswerte

Nettolichtstrom = 14510 lm

Systemleistung = 84.6 W

Lichtausbeute = 171.5 lm/W

## Seriendokumentation

28.09.2023

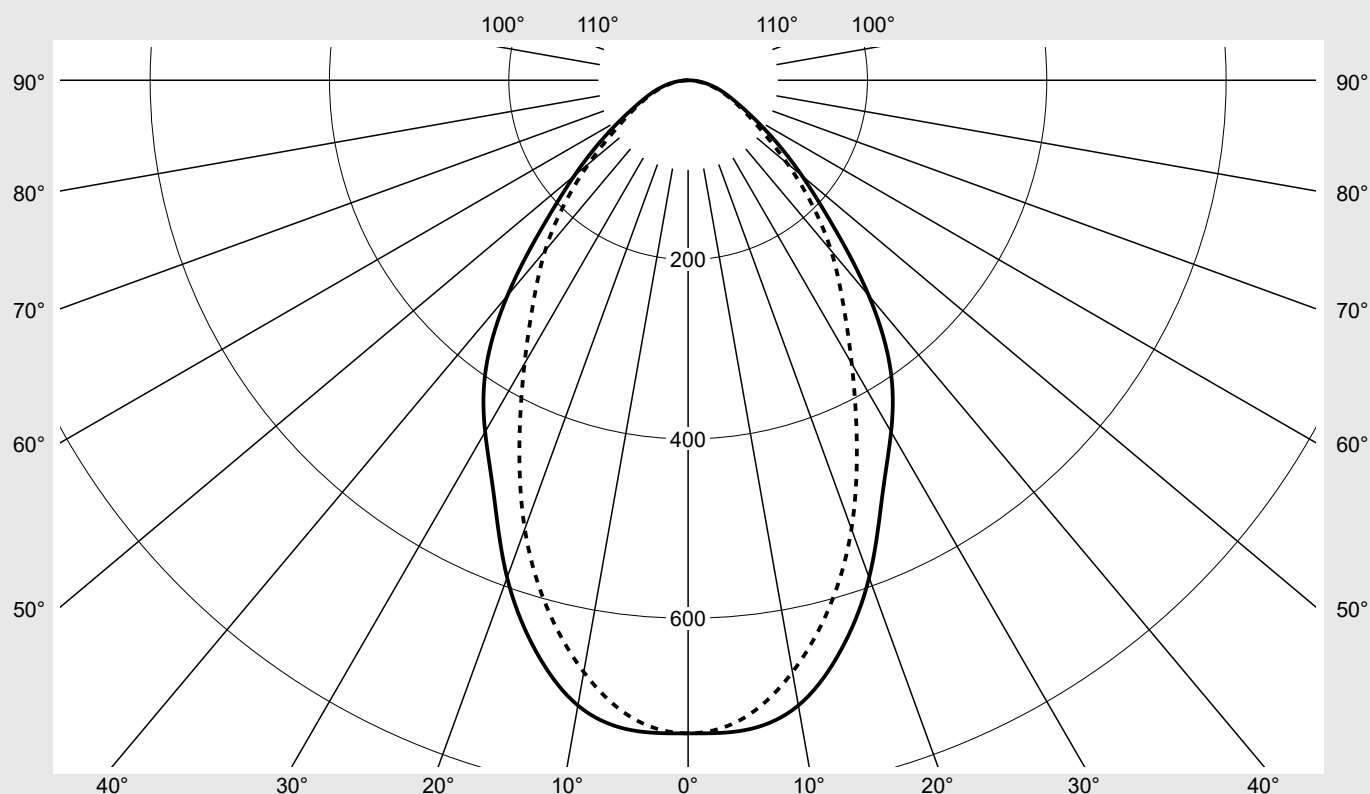
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 728 cd/klm



## Klassifizierungen

DIN 5040

A 5 0

CIE

N1=69 N2=91 N3=98

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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	4.4	4.4
5°	727.5	724.8	717.6	716.9	716.5	714.4	713.9	34.3	38.7
10°	708.0	704.6	693.5	687.1	680.0	672.5	670.2	65.5	104.1
15°	658.1	653.2	637.7	629.5	623.7	612.7	608.6	89.6	193.8
20°	590.3	582.5	562.9	551.9	546.6	538.5	532.6	104.5	298.2
25°	512.2	499.8	475.2	461.5	453.8	449.4	445.1	108.8	407.1
30°	452.8	433.7	396.2	371.8	363.4	365.0	364.9	106.8	513.9
35°	393.4	374.1	335.3	295.7	285.6	295.2	300.5	101.3	615.2
40°	313.5	300.8	276.8	238.3	224.4	239.2	248.1	91.6	706.8
45°	227.2	217.7	208.5	191.4	176.2	187.2	194.9	77.0	783.8
50°	165.8	151.3	143.3	147.8	138.9	142.4	144.5	61.5	845.3
55°	119.7	105.2	93.7	108.9	109.4	104.2	103.2	47.4	892.7
60°	84.3	73.0	63.0	78.5	83.8	75.4	76.1	35.9	928.6
65°	60.6	51.5	43.5	55.3	61.5	55.5	56.9	27.0	955.6
70°	44.8	36.9	29.5	37.3	40.5	40.0	42.0	19.5	975.1
75°	31.9	25.4	19.2	23.6	27.6	27.0	29.3	13.5	988.6
80°	20.2	15.5	11.1	12.8	15.3	15.6	17.2	8.0	996.7
85°	9.4	7.2	4.9	5.0	5.8	6.0	6.3	3.3	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									
		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
Raumabmessungen											
x	y										
2H	2H	23,6	25,1	24,0	25,4	25,7	23,2	24,7	23,6	25,0	25,3
	3H	24,3	25,6	24,7	25,9	26,3	24,0	25,3	24,4	25,7	26,0
	4H	24,6	25,8	25,0	26,2	26,6	24,4	25,6	24,8	25,9	26,3
	6H	25,0	26,1	25,4	26,4	26,8	24,7	25,8	25,1	26,1	26,5
	8H	25,2	26,1	25,6	26,5	26,9	24,8	25,8	25,2	26,2	26,6
	12H	25,3	26,2	25,7	26,6	27,0	24,9	25,8	25,3	26,2	26,6
4H	2H	23,9	25,1	24,3	25,5	25,8	23,6	24,8	24,0	25,2	25,5
	3H	24,6	25,7	25,1	26,0	26,5	24,6	25,6	25,0	26,0	26,4
	4H	25,0	25,9	25,5	26,4	26,8	25,0	25,9	25,5	26,4	26,8
	6H	25,5	26,2	25,9	26,6	27,1	25,4	26,2	25,9	26,6	27,1
	8H	25,6	26,3	26,1	26,8	27,2	25,5	26,2	26,0	26,7	27,2
	12H	25,8	26,4	26,3	26,9	27,3	25,6	26,2	26,1	26,7	27,2
8H	4H	25,2	25,9	25,6	26,3	26,8	25,2	25,9	25,6	26,3	26,8
	6H	25,6	26,2	26,1	26,6	27,1	25,6	26,2	26,1	26,6	27,2
	8H	25,8	26,3	26,3	26,8	27,3	25,8	26,3	26,3	26,8	27,3
	12H	26,0	26,4	26,5	26,9	27,5	25,9	26,3	26,4	26,8	27,3
12H	4H	25,2	25,8	25,7	26,2	26,7	25,2	25,8	25,7	26,2	26,7
	6H	25,6	26,1	26,1	26,6	27,1	25,6	26,1	26,1	26,6	27,1
	8H	25,8	26,2	26,3	26,7	27,3	25,8	26,2	26,3	26,7	27,3

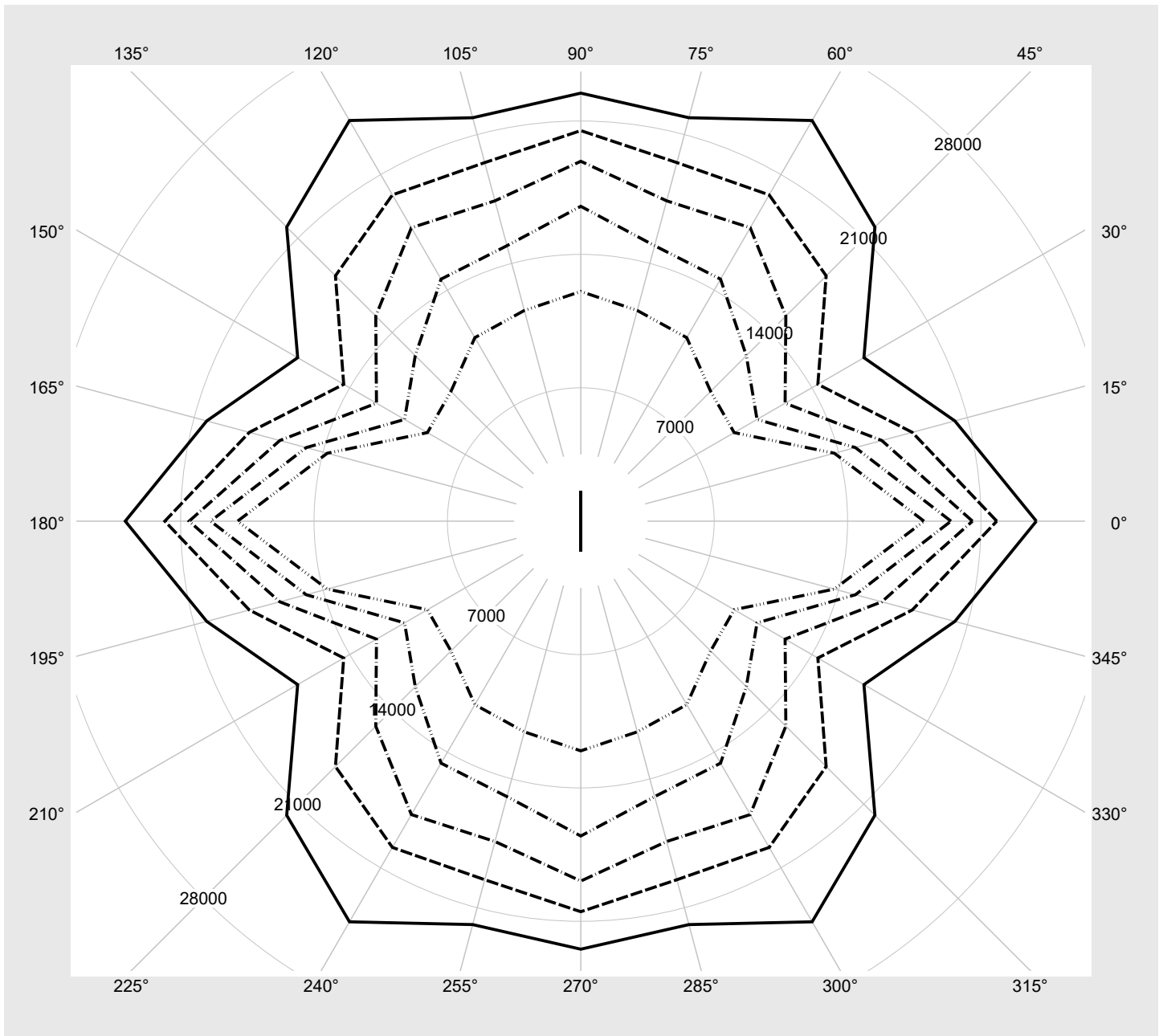
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1500 B = 58
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		53599.8	51345.2	49178.3	45151.4	41562.9	44142.8	45962.5
50°		43028.6	39253.9	37179.7	38337.2	36050.0	36942.3	37480.9
55°		34813.9	30601.7	27250.3	31669.5	31822.7	30295.5	30011.7
60°		28133.7	24340.4	21007.1	26180.0	27942.3	25151.7	25394.5
65°		23906.0	20323.1	17156.5	21827.1	24279.0	21919.0	22462.8
70°		21830.5	18008.4	14365.3	18209.3	19771.7	19481.6	20496.4
75°		20553.6	16352.8	12380.8	15216.7	17780.8	17405.1	18886.6
80°		19427.2	14918.8	10678.4	12285.2	14666.2	14966.8	16522.7
85°		18012.8	13774.1	9294.4	9635.0	11120.0	11447.2	12053.8

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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	14510	84.6
95	240	252	13783	80.0
90	226	250	13047	75.2
85	213	248	12358	71.0
80	199	245	11605	66.3
75	186	243	10893	62.0
70	173	240	10178	57.8
65	160	237	9452	53.6
60	147	234	8722	49.3
55	134	231	7984	45.1
50	121	227	7235	40.9
45	109	223	6541	37.1
40	96	218	5782	32.9
35	84	213	5072	29.1
30	72	208	4358	25.4
25	60	201	3640	21.6
20	48	193	2914	17.8
15	36	182	2186	14.0
10	24	168	1453	10.2
5	12	142	712	6.5
1	4	102	217	4.1