

## Lichttechnischer Prüfbefund

## Familie

Licross® 21 Recessed

Bestell-Nr.: 52TL12DN4FXMD

EAN: 4058352890967

LP-Nummer

59446\_33



<b>Ausführung</b>	Abdeckung satiniert, breit strahlend, hoher Sehkomfort
<b>Bestückung</b>	LED 4000 K   CRI ≥ 80
<b>Betriebsgerät</b>	EVG-DALI
<b>Einstellung</b>	DC Betrieb (Zentral- / Gruppenakku) Initiales Notlichtlevel
<b>Bemessungswerte</b>	Nettolichtstrom = 2250 lm Systemleistung = 14.0 W Lichtausbeute = 160.7 lm/W

Seriendokumentation  
10.08.2023

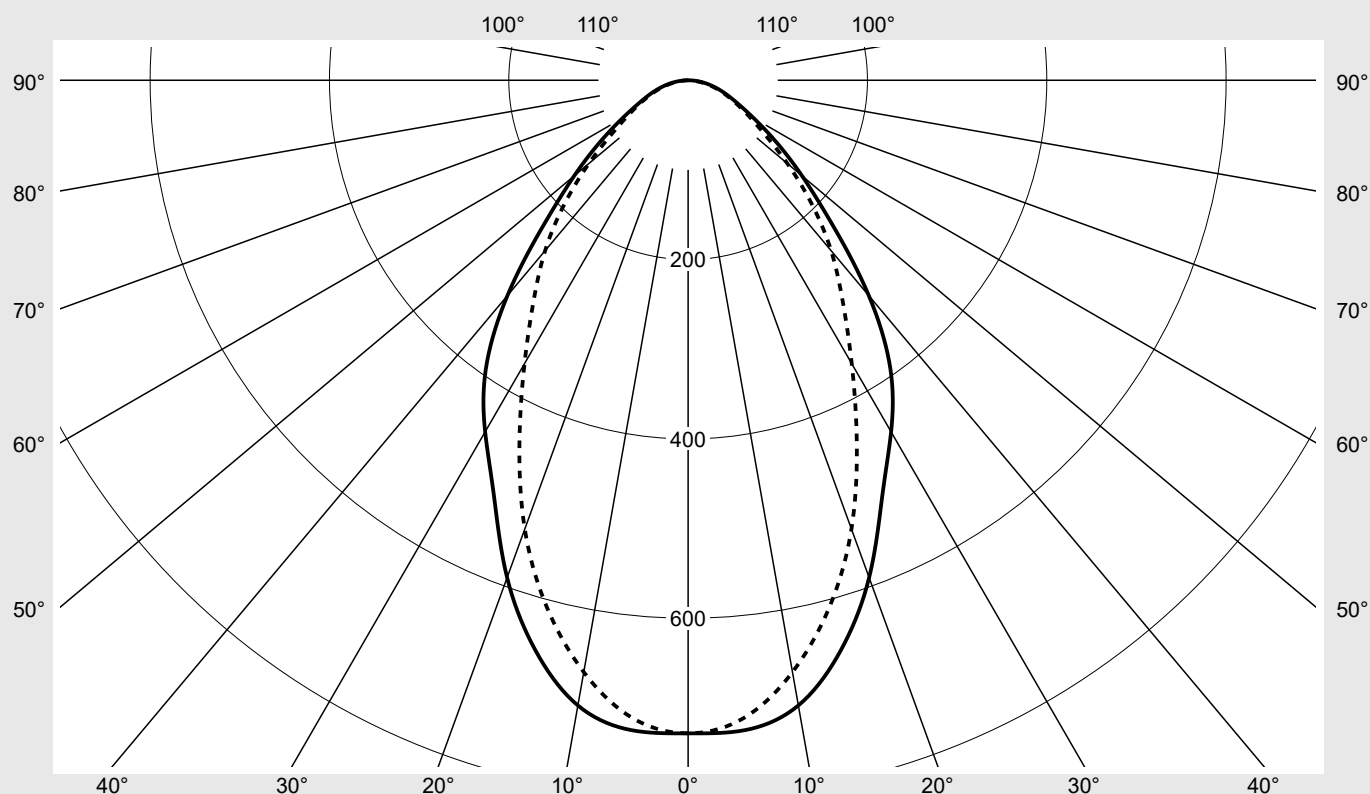
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Lichtstärke in cd/klm

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>
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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	
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									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	17,1	18,6	17,5	18,9	19,2	16,8	18,2	17,1	18,5	18,8
	3H	17,8	19,1	18,2	19,4	19,8	17,6	18,8	17,9	19,2	19,5
	4H	18,2	19,4	18,6	19,7	20,1	17,9	19,1	18,3	19,5	19,8
	6H	18,5	19,6	18,9	20,0	20,3	18,2	19,3	18,6	19,7	20,1
	8H	18,7	19,7	19,1	20,0	20,5	18,3	19,3	18,8	19,7	20,1
	12H	18,8	19,7	19,2	20,1	20,5	18,4	19,3	18,8	19,7	20,1
4H	2H	17,4	18,6	17,8	19,0	19,3	17,1	18,3	17,5	18,7	19,0
	3H	18,2	19,2	18,6	19,6	20,0	18,1	19,1	18,5	19,5	19,9
	4H	18,6	19,5	19,0	19,9	20,3	18,6	19,5	19,0	19,9	20,3
	6H	19,0	19,7	19,4	20,2	20,6	18,9	19,7	19,4	20,1	20,6
	8H	19,2	19,8	19,6	20,3	20,8	19,1	19,8	19,5	20,2	20,7
	12H	19,3	19,9	19,8	20,4	20,9	19,2	19,7	19,6	20,2	20,7
8H	4H	18,7	19,4	19,2	19,8	20,3	18,7	19,4	19,2	19,8	20,3
	6H	19,1	19,7	19,6	20,2	20,7	19,1	19,7	19,6	20,2	20,7
	8H	19,3	19,8	19,8	20,3	20,8	19,3	19,8	19,8	20,3	20,8
	12H	19,5	19,9	20,0	20,4	21,0	19,4	19,8	19,9	20,3	20,9
12H	4H	18,7	19,3	19,2	19,8	20,3	18,7	19,3	19,2	19,8	20,2
	6H	19,1	19,6	19,7	20,1	20,6	19,2	19,6	19,7	20,1	20,6
	8H	19,4	19,8	19,9	20,3	20,8	19,3	19,7	19,9	20,2	20,8

## 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°		8311.5	7961.9	7625.9	7001.4	6445.0	6845.0	7127.2
50°		6672.2	6086.9	5765.3	5944.8	5590.1	5728.5	5812.0
55°		5398.4	4745.3	4225.6	4910.8	4934.6	4697.8	4653.8
60°		4362.6	3774.4	3257.5	4059.6	4332.9	3900.2	3937.8
65°		3707.0	3151.4	2660.4	3384.6	3764.8	3398.9	3483.2
70°		3385.2	2792.5	2227.6	2823.6	3065.9	3020.9	3178.3
75°		3187.2	2535.8	1919.8	2359.6	2757.2	2698.9	2928.7
80°		3012.5	2313.4	1655.8	1905.0	2274.2	2320.8	2562.1
85°		2793.2	2135.9	1441.2	1494.1	1724.3	1775.1	1869.1

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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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