

## Lichttechnischer Prüfbefund

**Familie**  
Licross® 21 Recessed

**Bestell-Nr.:** 52TL12DV4LXM  
**EAN:** 4058352891087

**LP-Nummer**  
59446\_22



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

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 20000 lm  
Systemleistung = 109.8 W  
Lichtausbeute = 182.1 lm/W

**Seriendokumentation**  
02.08.2023

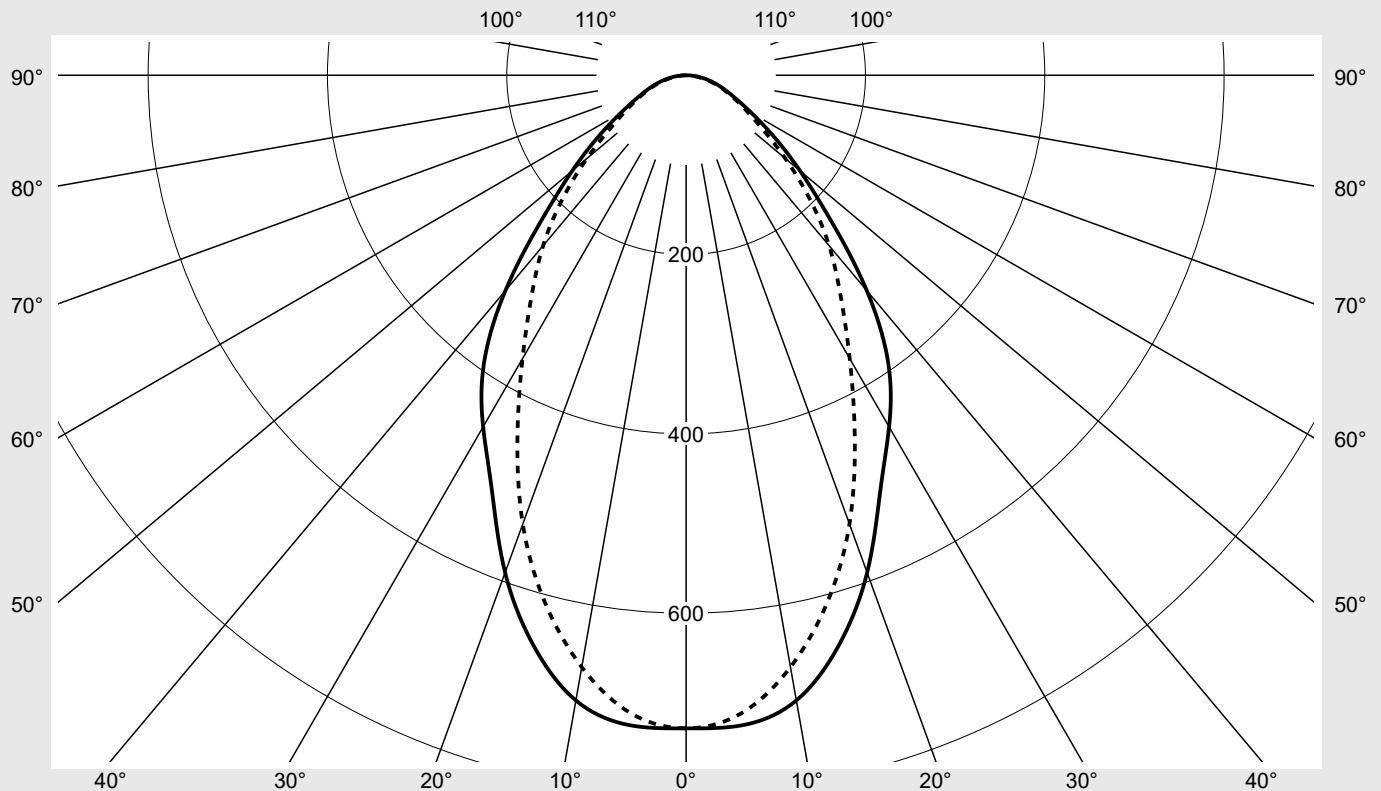
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Lichtstärke in cd/klm

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	23,3	24,8	23,7	25,1	25,4	22,9	24,4	23,3	24,7	25,0
	3H	24,0	25,3	24,4	25,6	26,0	23,7	25,0	24,1	25,4	25,7
	4H	24,4	25,5	24,7	25,9	26,3	24,1	25,3	24,5	25,7	26,0
	6H	24,7	25,8	25,1	26,1	26,5	24,4	25,5	24,8	25,8	26,2
	8H	24,9	25,8	25,3	26,2	26,6	24,5	25,5	24,9	25,9	26,3
	12H	25,0	25,9	25,4	26,3	26,7	24,6	25,5	25,0	25,9	26,3
4H	2H	23,6	24,8	24,0	25,2	25,5	23,3	24,5	23,7	24,9	25,2
	3H	24,4	25,4	24,8	25,7	26,2	24,3	25,3	24,7	25,7	26,1
	4H	24,8	25,7	25,2	26,1	26,5	24,8	25,6	25,2	26,1	26,5
	6H	25,2	25,9	25,6	26,4	26,8	25,1	25,9	25,6	26,3	26,8
	8H	25,3	26,0	25,8	26,5	27,0	25,2	25,9	25,7	26,4	26,9
	12H	25,5	26,1	26,0	26,6	27,1	25,3	25,9	25,8	26,4	26,9
8H	4H	24,9	25,6	25,3	26,0	26,5	24,9	25,6	25,3	26,0	26,5
	6H	25,3	25,9	25,8	26,3	26,8	25,3	25,9	25,8	26,4	26,9
	8H	25,5	26,0	26,0	26,5	27,0	25,5	26,0	26,0	26,5	27,0
	12H	25,7	26,1	26,2	26,6	27,2	25,6	26,0	26,1	26,5	27,1
12H	4H	24,9	25,5	25,4	25,9	26,4	24,9	25,5	25,4	25,9	26,4
	6H	25,3	25,8	25,8	26,3	26,8	25,3	25,8	25,8	26,3	26,8
	8H	25,5	25,9	26,1	26,4	27,0	25,5	25,9	26,0	26,4	27,0

<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°		49253.2	47181.4	45190.2	41489.9	38192.4	40563.1	42235.2	
50°		39539.2	36070.6	34164.6	35228.3	33126.5	33946.5	34441.5	
55°		31990.7	28120.1	25040.4	29101.3	29242.1	27838.8	27578.0	
60°		25852.3	22366.6	19303.6	24057.0	25676.3	23112.0	23335.2	
65°		21967.4	18675.0	15765.2	20057.0	22310.1	20141.5	20641.3	
70°		20060.2	16548.1	13200.4	16732.7	18168.4	17901.7	18834.2	
75°		18886.8	15026.7	11376.8	13982.8	16338.9	15993.7	17355.0	
80°		17851.7	13709.0	9812.4	11289.0	13476.8	13753.1	15182.9	
85°		16552.0	12657.1	8540.7	8853.7	10218.2	10518.9	11076.3	

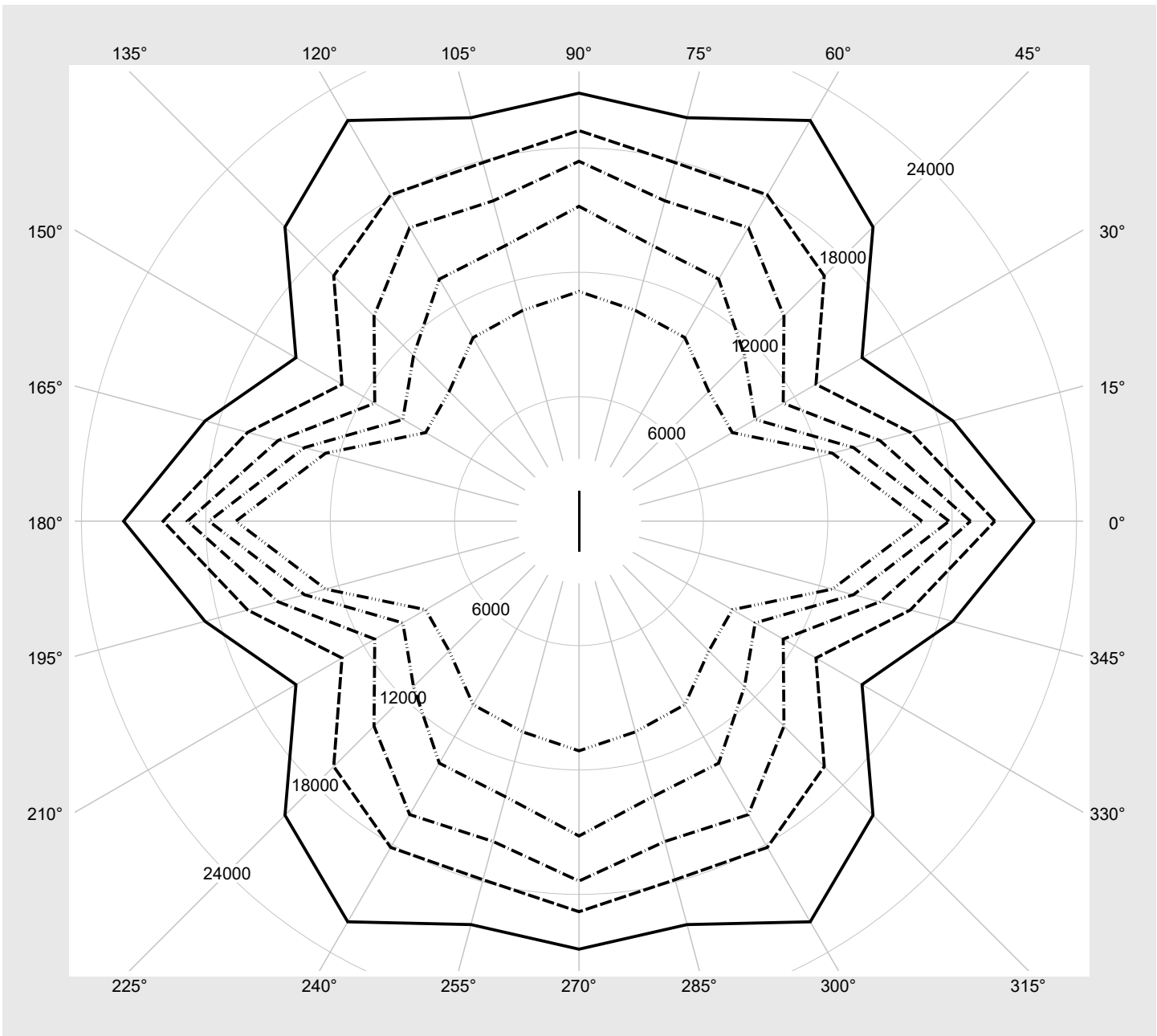
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**Leuchtdichten in cd/m²**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>sITeco</b>
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	20000	109.8
95	240	252	18982	103.9
90	227	250	18029	98.4
85	213	248	16984	92.5
80	200	245	16008	86.9
75	187	243	15024	81.4
70	174	240	14025	75.9
65	161	237	13026	70.4
60	148	234	12017	64.9
55	135	231	10994	59.4
50	122	227	9967	54.0
45	110	223	9012	48.9
40	97	219	7964	43.5
35	85	214	6995	38.5
30	73	208	6020	33.5
25	61	202	5033	28.4
20	48	193	3964	23.0
15	36	182	2970	17.8
10	24	168	1972	12.4
5	12	142	962	6.8
2	5	110	374	3.0