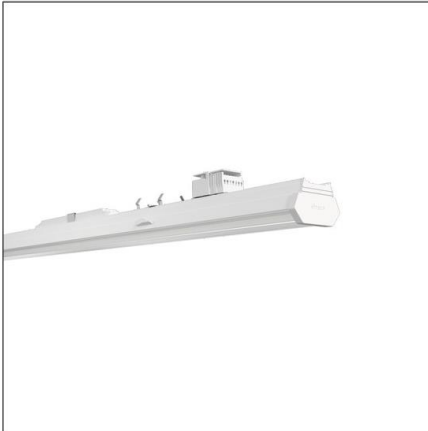


## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 11 Protected**

**Bestell-Nr.: 51TD1BMN49XG**  
**EAN: 4058352928981**

**LP-Nummer**  
**58522\_254**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen  
**Bemessungswerte** Nettolichtstrom = 9410 lm  
 Systemleistung = 55.3 W  
 Lichtausbeute = 170.2 lm/W

**Seriendokumentation**  
11.10.2023

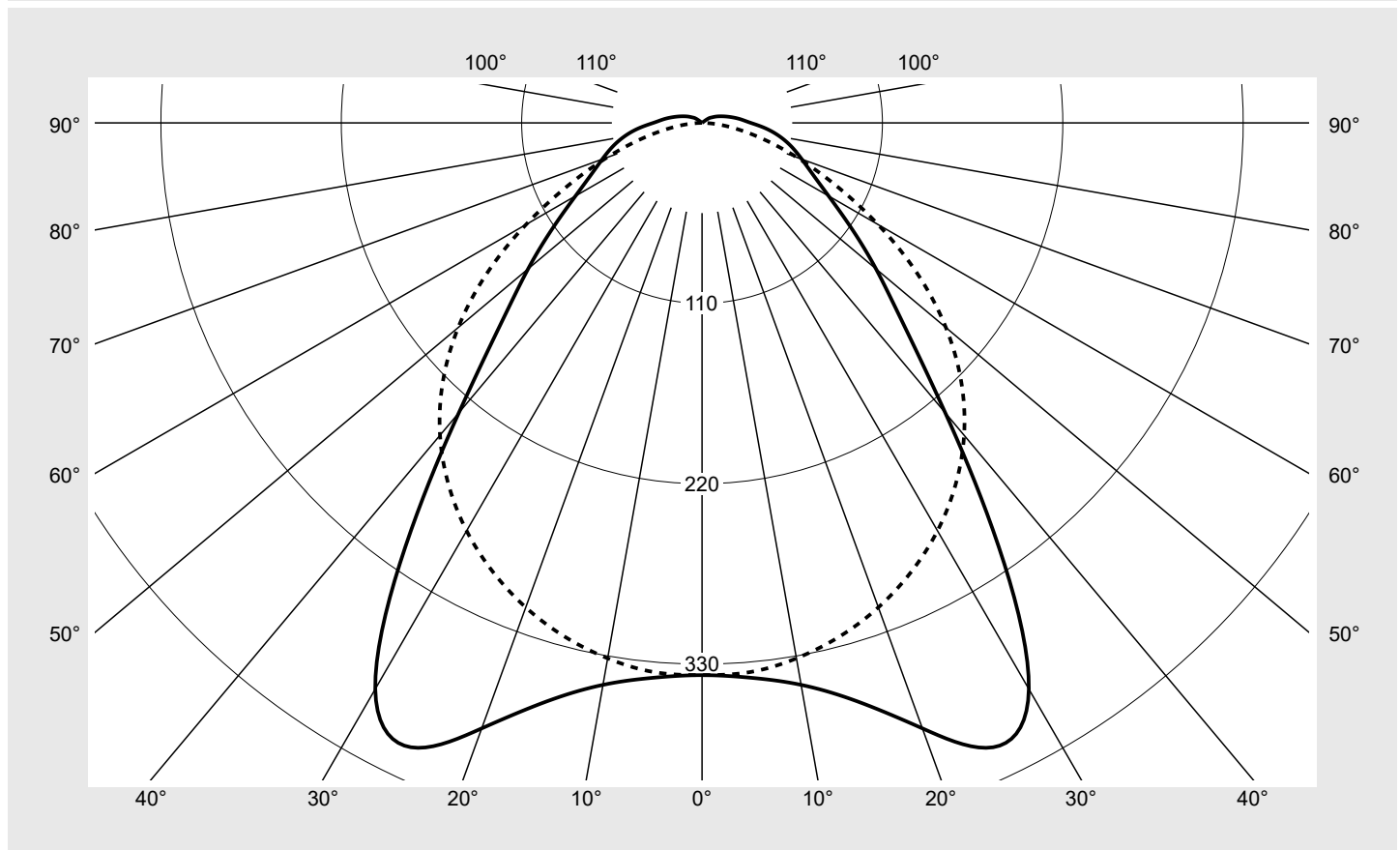
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 420 cd/klm



#### Klassifizierungen

DIN 5040 A 4 1  
 CIE N1=54 N2=82 N3=95  
 N4=97 N5=100

#### Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  96,8%  
 $\phi_o$  3,2%

#### Messbedingungen

DIN EN 13032 und DIN 5032

## Lichttechnischer Prüfbefund

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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°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	0.8	0.8	0.9	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

## Lichttechnischer Prüfbefund

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	21,0	22,6	21,3	22,9	23,2	22,8	24,5	23,2	24,8	25,1
	3H	22,1	23,6	22,5	23,9	24,3	23,9	25,3	24,2	25,7	26,0
	4H	22,8	24,2	23,2	24,6	24,9	24,2	25,6	24,6	25,9	26,3
	6H	23,6	24,9	24,0	25,2	25,6	24,5	25,7	24,9	26,1	26,5
	8H	24,0	25,2	24,4	25,6	26,0	24,6	25,8	25,0	26,1	26,5
	12H	24,4	25,5	24,8	25,9	26,3	24,6	25,7	25,0	26,1	26,5
4H	2H	21,8	23,2	22,2	23,5	23,9	23,3	24,7	23,7	25,0	25,4
	3H	23,2	24,3	23,6	24,7	25,1	24,6	25,7	25,0	26,1	26,5
	4H	24,0	25,0	24,4	25,4	25,9	25,1	26,1	25,5	26,5	27,0
	6H	24,9	25,8	25,3	26,2	26,7	25,4	26,3	25,9	26,8	27,2
	8H	25,3	26,2	25,8	26,6	27,1	25,5	26,4	26,0	26,8	27,3
	12H	25,8	26,6	26,3	27,0	27,5	25,6	26,4	26,1	26,9	27,3
8H	4H	24,4	25,2	24,8	25,7	26,1	25,3	26,2	25,8	26,6	27,1
	6H	25,5	26,2	25,9	26,6	27,1	25,9	26,6	26,3	27,0	27,5
	8H	26,1	26,7	26,5	27,2	27,7	26,1	26,7	26,6	27,2	27,7
	12H	26,7	27,2	27,2	27,7	28,3	26,2	26,8	26,7	27,3	27,8
12H	4H	24,5	25,2	24,9	25,7	26,2	25,4	26,2	25,9	26,6	27,1
	6H	25,6	26,2	26,1	26,7	27,2	26,0	26,6	26,5	27,1	27,6
	8H	26,2	26,8	26,8	27,3	27,8	26,2	26,8	26,8	27,3	27,8

<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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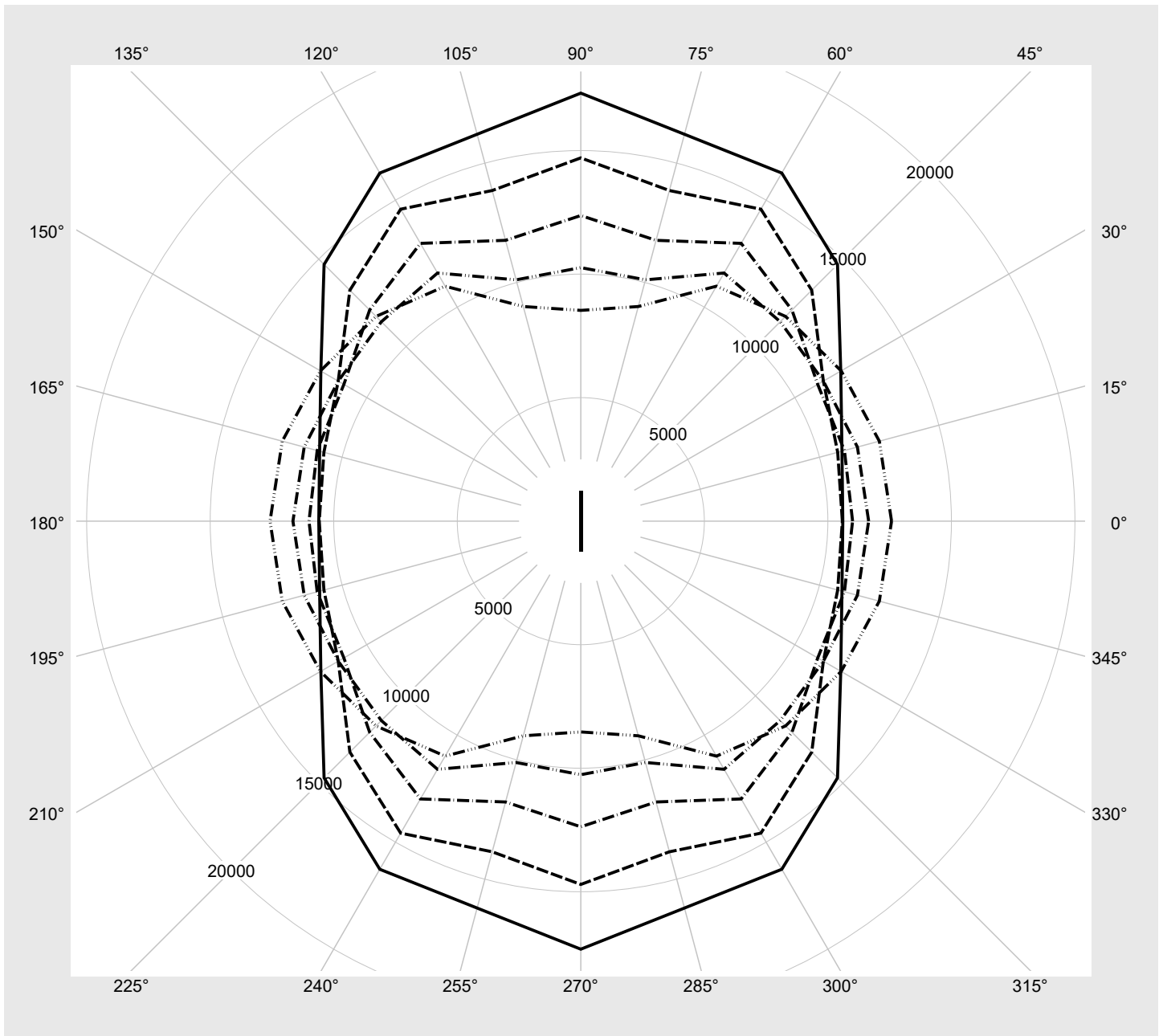
C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		17180.2	18082.5	20710.4	24728.9	27480.9	26520.3	25778.3	
50°		14650.8	15371.3	17487.2	20939.9	24073.7	24682.7	24617.4	
55°		12691.7	13344.6	15345.4	18283.4	20907.8	21940.8	22791.1	
60°		11275.8	11780.4	13511.7	16364.9	18307.2	18944.2	20206.1	
65°		10604.8	10944.0	12149.4	14694.3	16270.8	16212.5	17325.2	
70°		10586.0	10764.8	11337.5	13218.7	14581.4	13855.2	14704.3	
75°		11000.9	11046.6	11073.2	12086.2	12983.9	11767.9	12371.4	
80°		11651.2	11590.7	11337.1	11415.9	11597.8	10113.0	10263.0	
85°		12578.0	12509.8	12168.7	11720.7	10982.3	8994.7	8531.5	

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**Leuchtdichten in cd/m²**       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°

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**58522\_254**

### Multilumen-Tabelle

Umgebungstemperatur: 25°C

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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	9410	55.3
2	A	C	F	8931	52.1
3	A	D	E	8516	49.4
4	A	D	F	8026	46.3
5	B	C	E	7526	43.1
6	B	C	F	7111	40.5
7	B	D	E	6600	37.4
8	B	D	F	6163	34.7