

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51TD1BMN4FXM**  
**EAN: 4058352929001**

**LP-Nummer**  
**58521\_174**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen  
**Bemessungswerte** Nettolichtstrom = 15020 lm  
 Systemleistung = 87.4 W  
 Lichtausbeute = 171.9 lm/W

**Seriendokumentation**  
11.10.2023

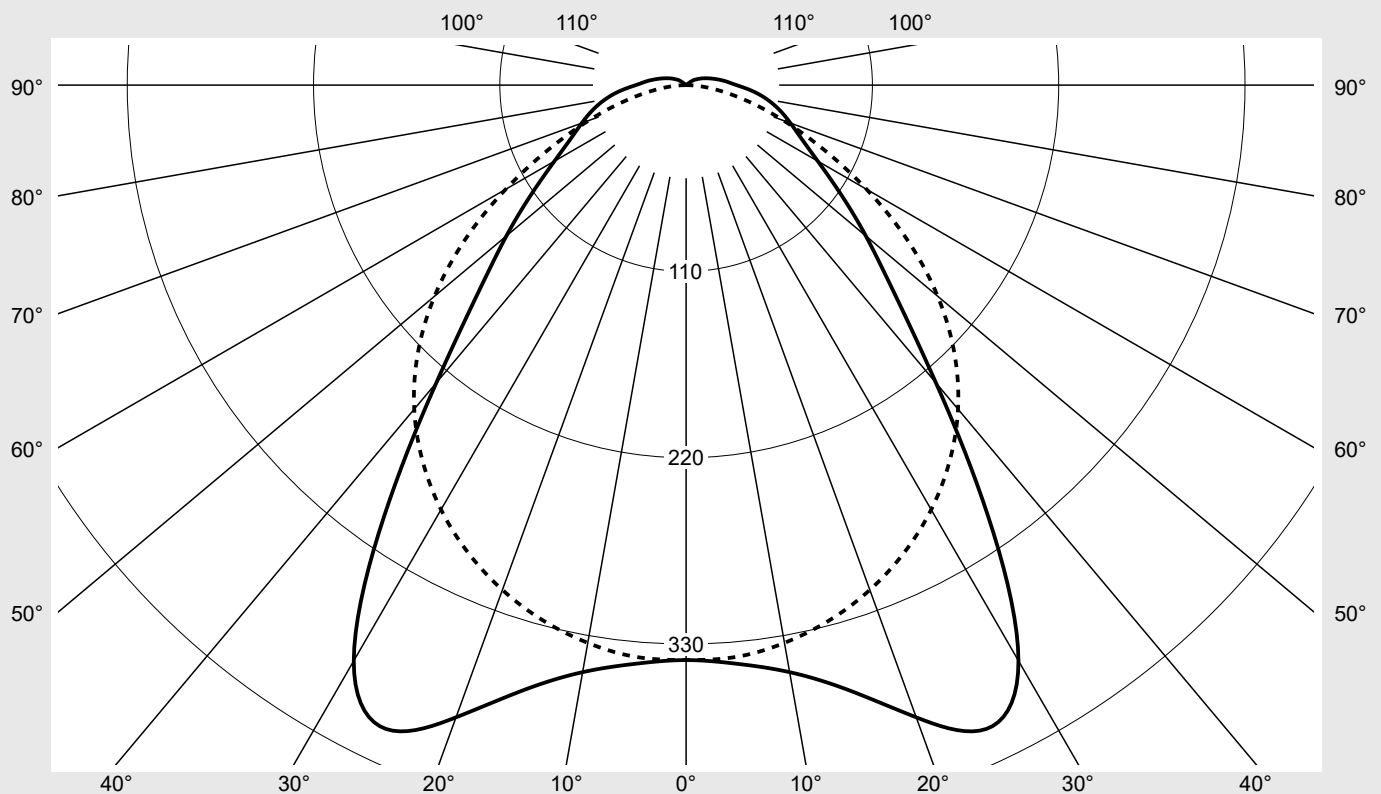
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Lichtstärke in cd/klm

C180-0

C270-90

Imax: 419 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

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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°			
Lichtstärke in cd/klm								Lichtstrom in lm/klm	
γ									
0°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	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

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	22,6	24,2	22,9	24,5	24,8	24,4	26,1	24,8	26,4	26,7
	3H	23,8	25,2	24,1	25,6	25,9	25,4	26,9	25,8	27,2	27,6
	4H	24,5	25,9	24,9	26,2	26,6	25,8	27,2	26,2	27,5	27,9
	6H	25,2	26,5	25,6	26,9	27,3	26,1	27,3	26,5	27,7	28,1
	8H	25,6	26,8	26,1	27,2	27,6	26,2	27,3	26,6	27,7	28,1
	12H	26,0	27,2	26,5	27,6	28,0	26,2	27,3	26,6	27,7	28,1
4H	2H	23,4	24,8	23,8	25,1	25,5	24,9	26,3	25,3	26,6	27,0
	3H	24,8	26,0	25,2	26,3	26,8	26,1	27,3	26,6	27,7	28,1
	4H	25,6	26,7	26,0	27,1	27,5	26,6	27,7	27,1	28,1	28,5
	6H	26,5	27,5	27,0	27,9	28,3	27,0	27,9	27,5	28,4	28,8
	8H	27,0	27,8	27,5	28,3	28,8	27,1	28,0	27,6	28,4	28,9
	12H	27,5	28,2	28,0	28,7	29,2	27,2	28,0	27,7	28,4	28,9
8H	4H	26,0	26,9	26,5	27,3	27,8	26,9	27,8	27,4	28,2	28,7
	6H	27,1	27,8	27,6	28,3	28,8	27,5	28,2	27,9	28,6	29,1
	8H	27,7	28,3	28,2	28,8	29,3	27,7	28,3	28,2	28,8	29,3
	12H	28,3	28,9	28,9	29,4	29,9	27,8	28,4	28,3	28,9	29,4
12H	4H	26,1	26,8	26,6	27,3	27,8	27,0	27,7	27,5	28,2	28,7
	6H	27,2	27,9	27,7	28,3	28,9	27,6	28,2	28,1	28,7	29,2
	8H	27,9	28,4	28,4	28,9	29,5	27,8	28,4	28,4	28,9	29,4

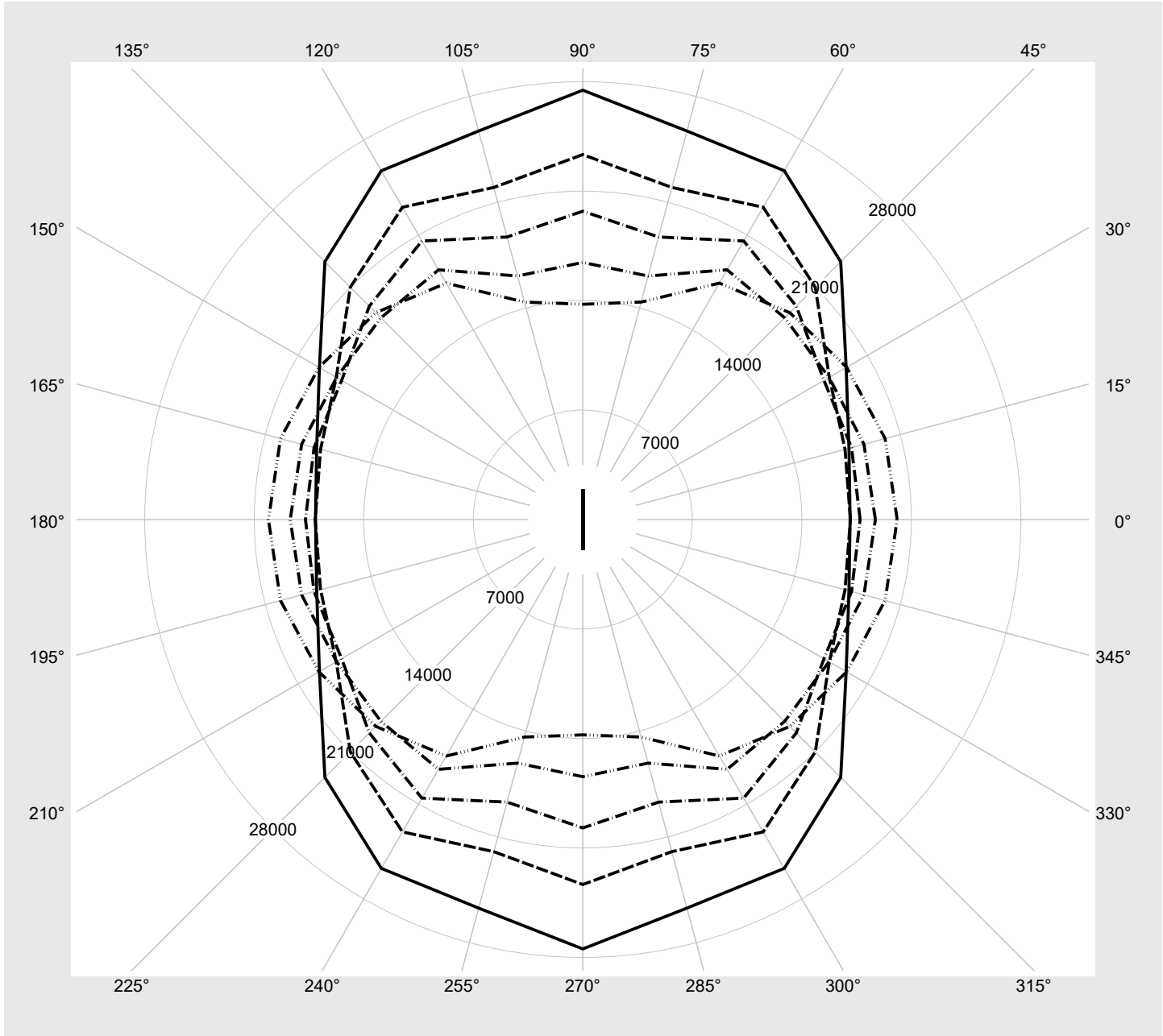
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		27442.2	28838.3	32889.0	39078.5	43536.7	42313.9	41229.9	
50°		23396.1	24527.3	27846.6	33199.7	38117.3	39238.0	39248.4	
55°		20313.3	21318.7	24432.7	29023.2	33118.5	34814.1	36195.0	
60°		18127.0	18902.3	21549.7	25968.5	28995.9	30059.1	32024.2	
65°		17086.3	17611.3	19438.4	23314.0	25754.8	25721.6	27453.9	
70°		17104.5	17353.1	18195.2	21012.8	23060.6	21984.4	23337.5	
75°		17726.5	17783.4	17798.5	19297.3	20567.7	18705.2	19717.3	
80°		18702.2	18603.0	18175.1	18246.0	18440.8	16122.9	16440.7	
85°		20093.1	20003.6	19473.5	18707.7	17457.8	14397.1	13767.1	

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Leuchtdichten in cd/m<sup>2</sup>      γ 65°    γ 70°    γ 75°    γ 80°    γ 85°      **siteco**



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## Multilumen-Tabelle

Umgebungstemperatur: 25°C

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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]
	1	2	3		
1	A	C	E	15020	87.4
2	A	C	F	14280	82.6
3	A	D	E	13310	76.2
4	A	D	F	12340	70.1
5	B	C	E	11430	64.3
6	B	C	F	10430	58.3
7	B	D	E	9490	52.6
8	B	D	F	8540	47.0