

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51TD12DN4FXM3S**  
**EAN: 4058352934708**

**LP-Nummer**  
**58523\_209**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Einstellung** AC-Betrieb  
**Bemessungswerte** Nettolichtstrom = 15270 lm  
 Systemleistung = 91.1 W  
 Lichtausbeute = 167.6 lm/W

**Seriendokumentation**  
**29.09.2023**

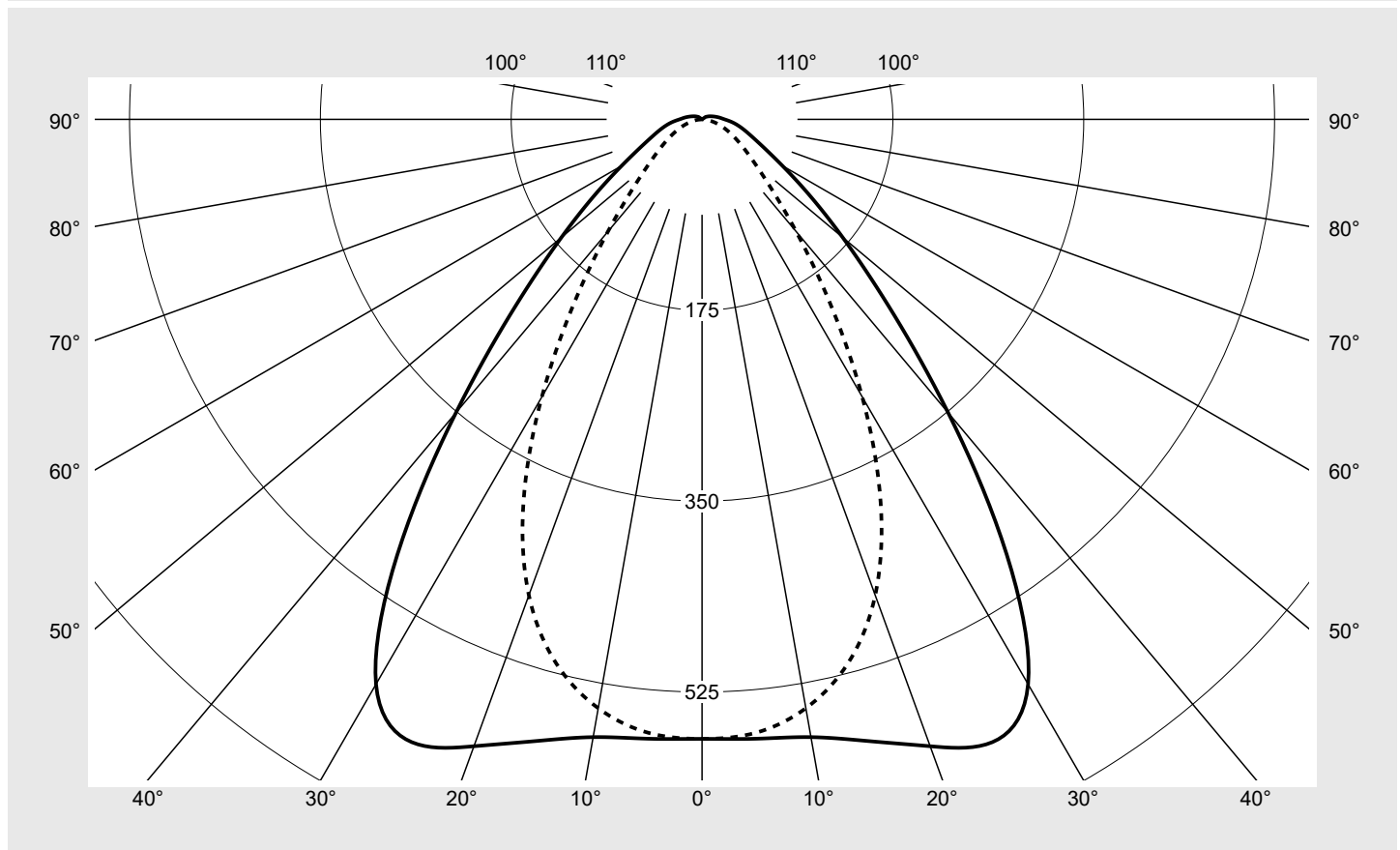
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 630 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 1  
 CIE N1=70 N2=91 N3=97  
 N4=98 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  98,3%  
 $\phi_o$  1,7%

**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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	3.4	3.4
5°	570.0	568.0	563.9	564.4	565.6	564.2	564.6	27.0	30.4
10°	575.1	572.9	563.4	557.9	553.3	549.0	548.2	53.3	83.7
15°	590.1	586.0	566.8	548.5	532.2	519.9	516.5	78.2	161.9
20°	611.6	603.6	568.7	531.0	496.5	471.9	464.3	100.3	262.2
25°	630.0	617.6	564.2	499.9	441.6	401.0	387.5	117.1	379.3
30°	598.0	589.4	536.5	452.4	368.0	311.9	293.8	123.5	502.8
35°	487.1	490.1	463.2	383.1	284.6	222.1	203.0	114.7	617.4
40°	351.1	360.8	359.1	297.2	205.7	150.3	134.3	94.9	712.3
45°	241.7	250.7	257.1	211.9	140.4	100.6	89.9	72.8	785.1
50°	168.3	174.0	178.9	144.5	94.4	69.8	63.7	54.4	839.5
55°	118.9	121.8	123.3	97.4	64.6	50.4	47.5	40.5	880.0
60°	85.1	85.8	84.4	66.1	45.7	37.4	36.1	30.1	910.0
65°	63.8	62.6	58.2	45.7	33.4	28.1	27.2	22.6	932.7
70°	50.4	47.7	40.8	32.1	24.8	20.7	19.9	17.3	949.9
75°	41.3	37.6	29.5	22.7	17.9	14.5	13.5	13.2	963.2
80°	34.0	30.0	21.9	15.9	12.4	9.4	8.0	10.0	973.1
85°	27.2	23.7	16.4	11.2	8.0	5.3	3.6	7.3	980.4
90°	20.7	17.9	12.0	7.4	4.6	2.2	0.4	5.0	985.4
95°	16.6	14.7	10.2	6.3	3.6	1.3	0.3	4.0	989.4
100°	13.2	11.9	8.5	5.2	2.7	0.8	0.3	3.2	992.6
105°	10.4	9.5	6.9	4.1	1.9	0.4	0.3	2.5	995.1
110°	8.2	7.4	5.5	3.1	1.2	0.3	0.3	1.9	997.0
115°	6.5	5.8	4.2	2.2	0.7	0.4	0.4	1.4	998.4
120°	4.9	4.3	3.0	1.4	0.6	0.5	0.5	1.0	999.4
125°	3.5	3.0	2.0	0.9	0.6	0.5	0.5	0.7	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	23,4	24,9	23,8	25,2	25,5	19,3	20,7	19,6	21,0	21,4
	3H	24,0	25,3	24,4	25,7	26,0	19,7	21,0	20,1	21,3	21,7
	4H	24,4	25,6	24,8	25,9	26,3	19,9	21,1	20,3	21,5	21,8
	6H	24,8	25,9	25,2	26,2	26,6	20,0	21,2	20,4	21,5	21,9
	8H	25,1	26,0	25,5	26,4	26,8	20,1	21,2	20,5	21,6	22,0
	12H	25,3	26,2	25,8	26,6	27,0	20,2	21,2	20,6	21,5	22,0
4H	2H	23,5	24,7	23,9	25,1	25,4	20,0	21,1	20,3	21,5	21,9
	3H	24,2	25,2	24,6	25,6	26,0	20,5	21,5	20,9	21,9	22,3
	4H	24,7	25,6	25,1	26,0	26,4	20,8	21,7	21,2	22,1	22,5
	6H	25,2	26,0	25,7	26,4	26,9	21,0	21,8	21,4	22,2	22,7
	8H	25,6	26,3	26,0	26,7	27,2	21,1	21,8	21,5	22,2	22,7
	12H	25,9	26,5	26,4	27,0	27,5	21,1	21,8	21,6	22,2	22,7
8H	4H	24,7	25,4	25,1	25,9	26,3	21,1	21,8	21,6	22,2	22,7
	6H	25,3	25,9	25,8	26,4	26,9	21,4	22,0	21,9	22,5	23,0
	8H	25,7	26,3	26,2	26,7	27,3	21,5	22,1	22,0	22,5	23,1
	12H	26,2	26,7	26,8	27,2	27,7	21,7	22,1	22,2	22,6	23,1
12H	4H	24,7	25,3	25,2	25,8	26,3	21,2	21,8	21,7	22,2	22,7
	6H	25,3	25,9	25,8	26,3	26,9	21,6	22,0	22,1	22,5	23,0
	8H	25,8	26,2	26,3	26,7	27,3	21,7	22,1	22,2	22,6	23,2

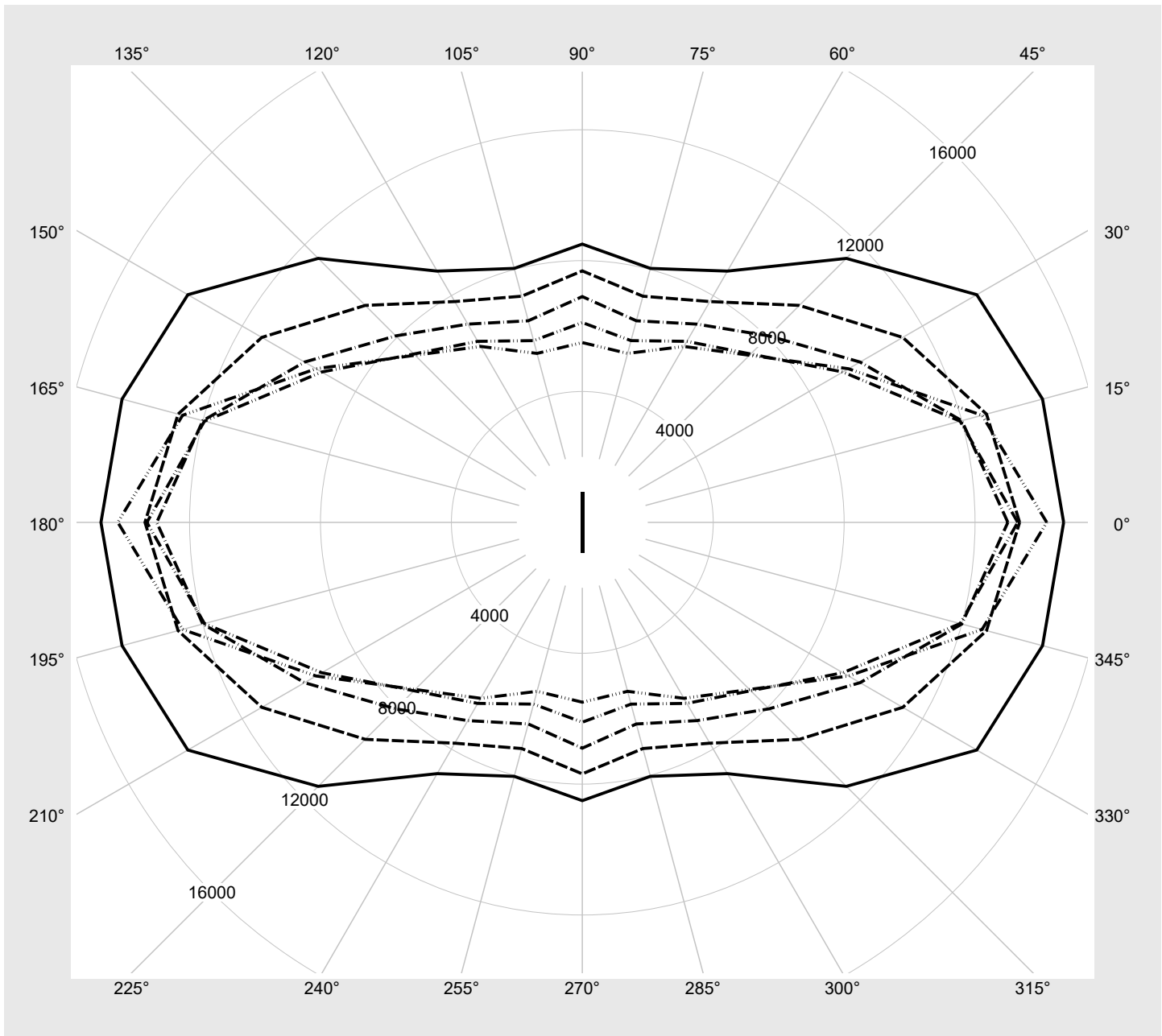
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		38756.6	40388.1	42034.7	35454.3	24242.2	18041.6	16823.7	
50°		28896.4	30046.4	31420.2	26073.6	17668.0	13652.1	13112.0	
55°		22144.4	22846.6	23583.8	19222.8	13310.7	10942.3	10959.8	
60°		17468.8	17758.3	17857.8	14527.2	10561.9	9201.5	9540.3	
65°		14707.8	14559.1	13917.4	11410.3	8867.9	8036.6	8505.6	
70°		13362.3	12786.3	11307.1	9378.7	7793.2	7156.4	7686.7	
75°		13003.1	12004.5	9800.2	8061.1	6996.8	6379.1	6901.6	
80°		13305.1	11952.2	9193.0	7278.0	6388.9	5751.2	6107.7	
85°		14191.7	12645.1	9391.0	7224.3	6209.2	5346.8	5495.6	

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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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<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	15270	91.1
95	240	252	14500	86.2
90	226	250	13719	81.3
85	213	248	12985	76.7
80	200	245	12243	72.1
75	186	243	11437	67.4
70	173	240	10682	62.9
65	160	237	9923	58.5
60	147	234	9156	54.0
55	134	231	8380	49.7
50	122	227	7660	45.7
45	109	223	6875	41.5
40	96	218	6081	37.2
35	84	213	5341	33.2
30	72	208	4594	29.5
25	60	201	3841	25.6
20	48	193	3080	21.7
15	36	182	2314	17.8
10	24	168	1543	13.9
5	12	142	765	10.2
2	4	102	243	7.8