

## Lichttechnischer Prüfbefund

**Familie**  
Licross® 21 Protected

**Bestell-Nr.:** 52TD12DN4AXM  
**EAN:** 4058352902820

**LP-Nummer**  
58523\_166



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 10000 lm  
Systemleistung = 56.0 W  
Lichtausbeute = 178.6 lm/W

**Seriendokumentation**  
03.08.2023

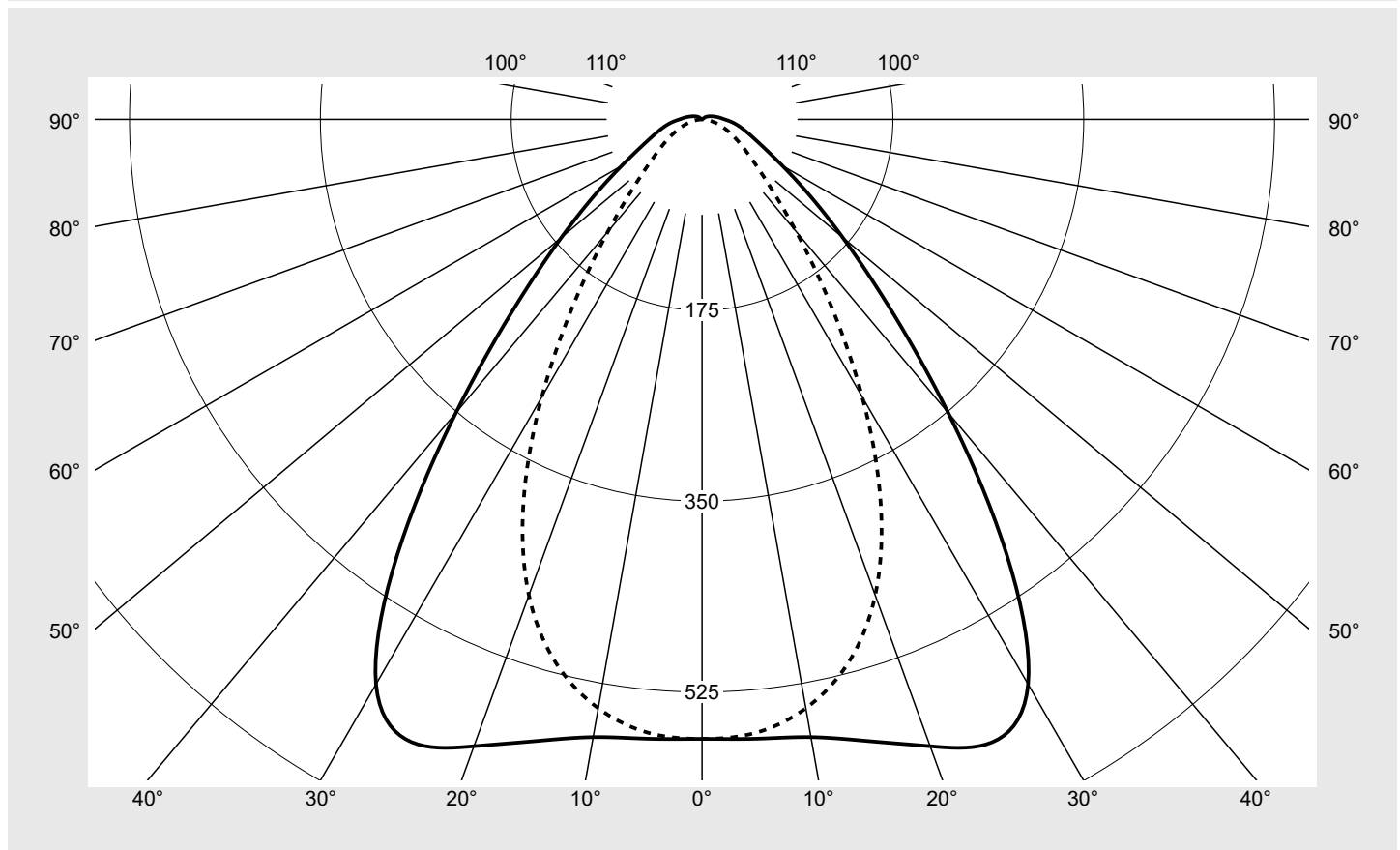
siteco

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	22,0	23,4	22,3	23,7	24,1	17,8	19,3	18,2	19,6	19,9
	3H	22,6	23,8	23,0	24,2	24,5	18,2	19,5	18,6	19,9	20,2
	4H	22,9	24,1	23,3	24,4	24,8	18,4	19,7	18,8	20,0	20,4
	6H	23,3	24,4	23,7	24,8	25,1	18,6	19,7	19,0	20,1	20,5
	8H	23,6	24,6	24,0	24,9	25,3	18,7	19,7	19,1	20,1	20,5
	12H	23,9	24,7	24,3	25,1	25,5	18,7	19,7	19,1	20,1	20,5
4H	2H	22,0	23,2	22,4	23,6	24,0	18,5	19,7	18,9	20,0	20,4
	3H	22,7	23,8	23,2	24,2	24,6	19,0	20,0	19,5	20,4	20,8
	4H	23,2	24,1	23,6	24,5	25,0	19,3	20,2	19,7	20,6	21,0
	6H	23,8	24,5	24,2	25,0	25,4	19,5	20,3	20,0	20,7	21,2
	8H	24,1	24,8	24,6	25,2	25,7	19,6	20,3	20,1	20,8	21,2
	12H	24,5	25,0	25,0	25,5	26,0	19,7	20,3	20,1	20,8	21,3
8H	4H	23,2	23,9	23,7	24,4	24,9	19,6	20,3	20,1	20,7	21,2
	6H	23,9	24,5	24,4	24,9	25,4	19,9	20,5	20,4	21,0	21,5
	8H	24,3	24,8	24,8	25,3	25,8	20,1	20,6	20,6	21,1	21,6
	12H	24,8	25,2	25,3	25,7	26,2	20,2	20,6	20,7	21,1	21,7
12H	4H	23,2	23,8	23,7	24,3	24,8	19,7	20,3	20,2	20,8	21,2
	6H	23,9	24,4	24,4	24,9	25,4	20,1	20,6	20,6	21,0	21,6
	8H	24,3	24,7	24,8	25,2	25,8	20,2	20,7	20,8	21,2	21,7

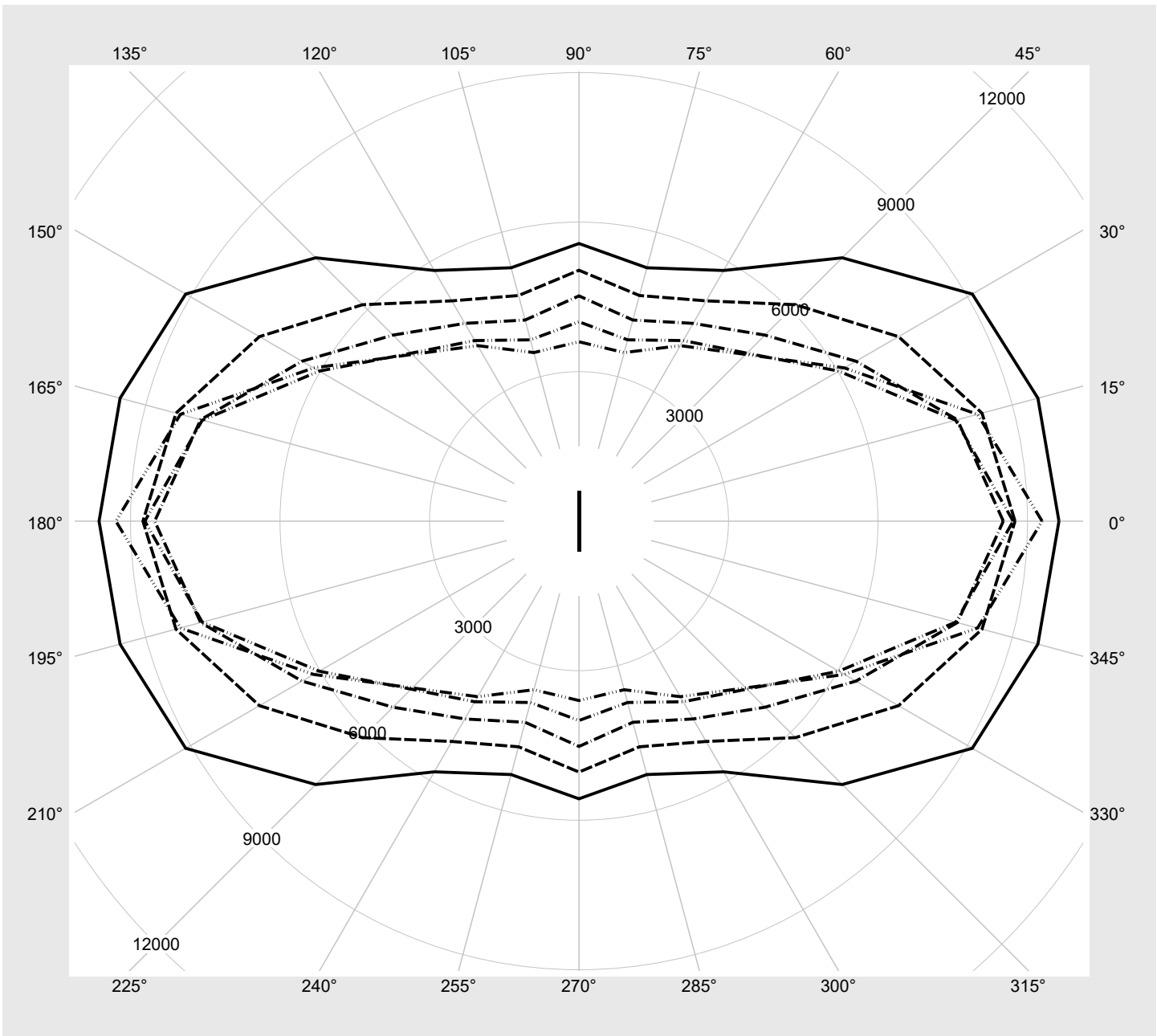
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		25380.9	26449.3	27527.6	23218.3	15875.7	11815.1	11017.5
50°		18923.7	19676.8	20576.4	17075.0	11570.4	8940.5	8586.8
55°		14501.9	14961.7	15444.5	12588.6	8716.9	7165.9	7177.4
60°		11439.9	11629.5	11694.7	9513.5	6916.8	6025.9	6247.7
65°		9631.8	9534.5	9114.2	7472.4	5807.4	5263.0	5570.1
70°		8750.7	8373.5	7404.8	6141.9	5103.6	4686.6	5033.8
75°		8515.5	7861.5	6417.9	5279.0	4582.0	4177.5	4519.7
80°		8713.2	7827.3	6020.3	4766.2	4184.0	3766.3	3999.8
85°		9293.8	8281.0	6150.0	4731.0	4066.2	3501.5	3599.0

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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	10000	56.0
95	241	252	9510	53.3
90	228	250	9019	50.5
85	214	248	8486	47.6
80	201	245	7989	44.8
75	188	243	7490	42.1
70	175	240	6985	39.3
65	162	238	6482	36.5
60	150	235	6011	33.9
55	137	231	5501	31.2
50	124	228	4986	28.4
45	112	224	4512	25.9
40	99	219	3991	23.0
35	87	215	3512	20.4
30	74	209	2988	17.8
25	62	202	2505	15.6
20	50	194	2017	13.4
15	37	183	1490	10.5
10	25	169	997	6.8
5	13	145	503	2.6