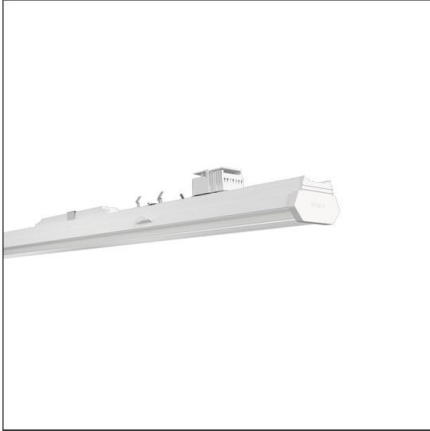


## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51TP12DN4FXM**  
**EAN: 4058352918517**

**LP-Nummer**  
**58523\_236**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 15270 lm  
 Systemleistung = 87.3 W  
 Lichtausbeute = 174.9 lm/W

**Seriendokumentation**  
**31.10.2024**

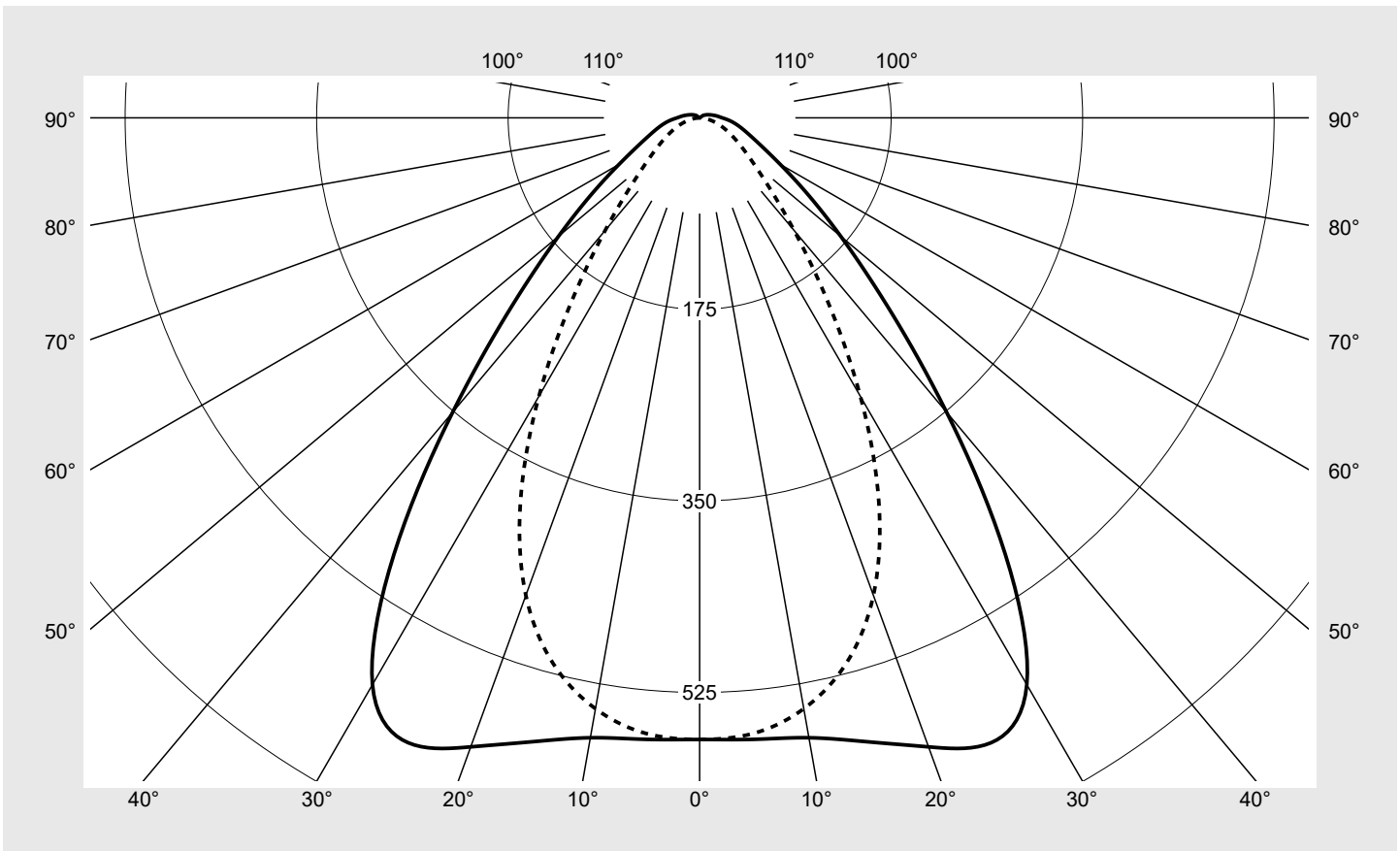
**siteco**

**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

## Lichttechnischer Prüfbefund

<b>Familie</b> Licross® 11 Protected	<b>Bestell-Nr.: 51TP12DN4FXM</b> <b>EAN: 4058352918517</b>	<b>LP-Nummer</b> 58523_236
<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

## Lichttechnischer Prüfbefund

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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

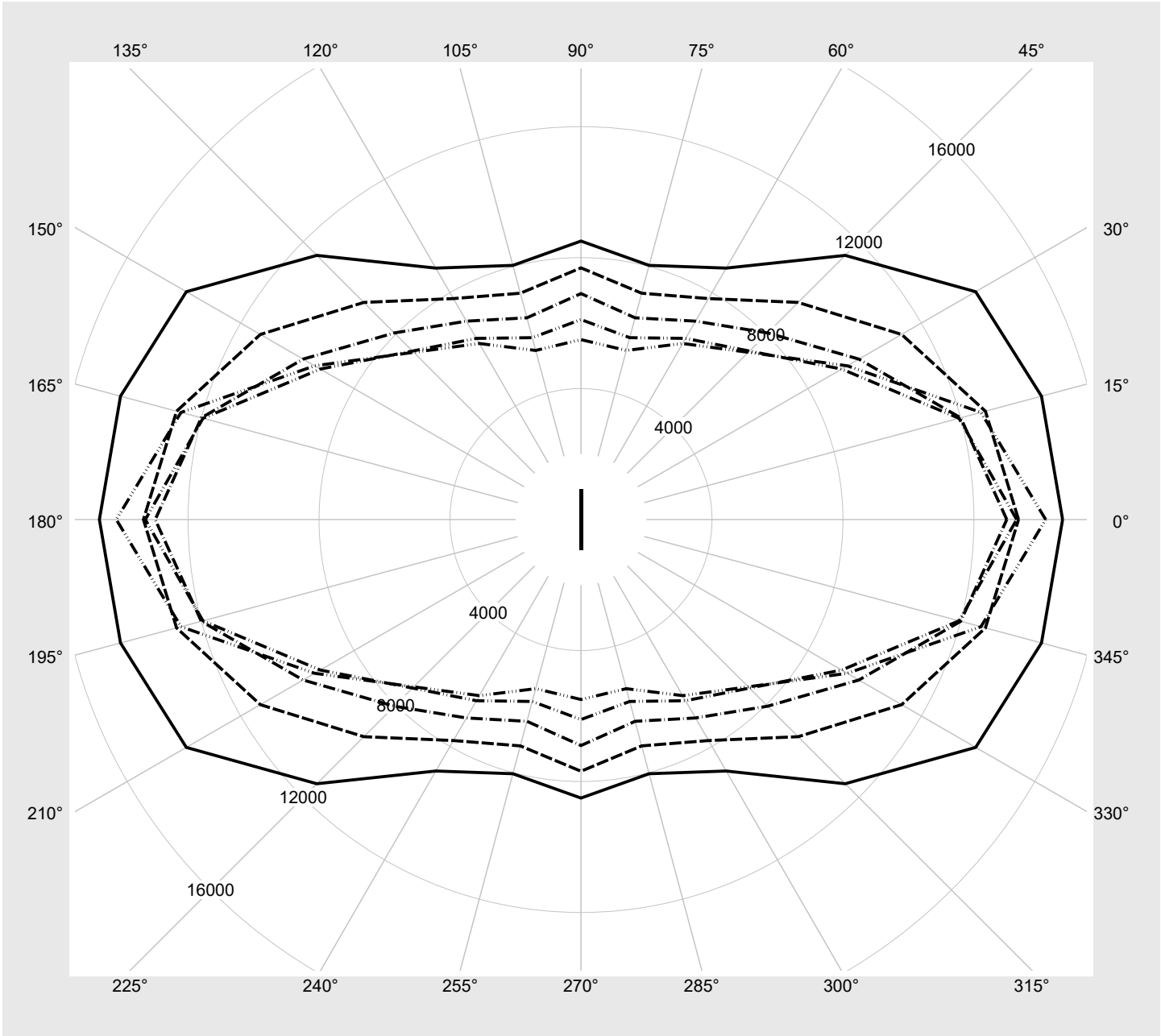
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13
		H(C90) = 0	H(C270) = 0

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**



## Lichttechnischer Prüfbefund

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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	87.3
95	240	252	14500	82.4
90	226	250	13719	77.5
85	213	248	12985	72.9
80	200	245	12243	68.3
75	186	243	11437	63.6
70	173	240	10682	59.1
65	160	237	9923	54.7
60	147	234	9156	50.2
55	134	231	8380	45.9
50	122	227	7660	41.9
45	109	223	6875	37.7
40	96	218	6081	33.4
35	84	213	5341	29.4
30	72	208	4594	25.7
25	60	201	3841	21.8
20	48	193	3080	17.9
15	36	182	2314	14.0
10	24	168	1543	10.1
5	12	142	765	6.4
2	4	102	243	4.0