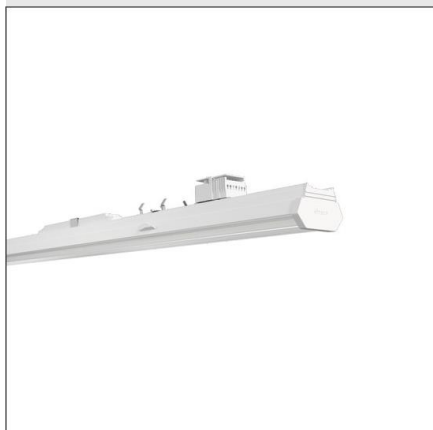


## Lichttechnischer Prüfbefund

## Familie

Licross® 11 Protected



Bestell-Nr.: 51TP12DN4EXL3S

EAN: 4058352485736

LP-Nummer

58523\_34

<b>Ausführung</b>	Prismenabdeckung, satiniert, breit strahlend
<b>Bestückung</b>	LED 4000 K   CRI ≥ 80
<b>Betriebsgerät</b>	EVG-DALI
<b>Einstellung</b>	AC-Betrieb
<b>Bemessungswerte</b>	Nettolichtstrom = 14070 lm Systemleistung = 89.8 W Lichtausbeute = 156.7 lm/W

Seriendokumentation

04.05.2021

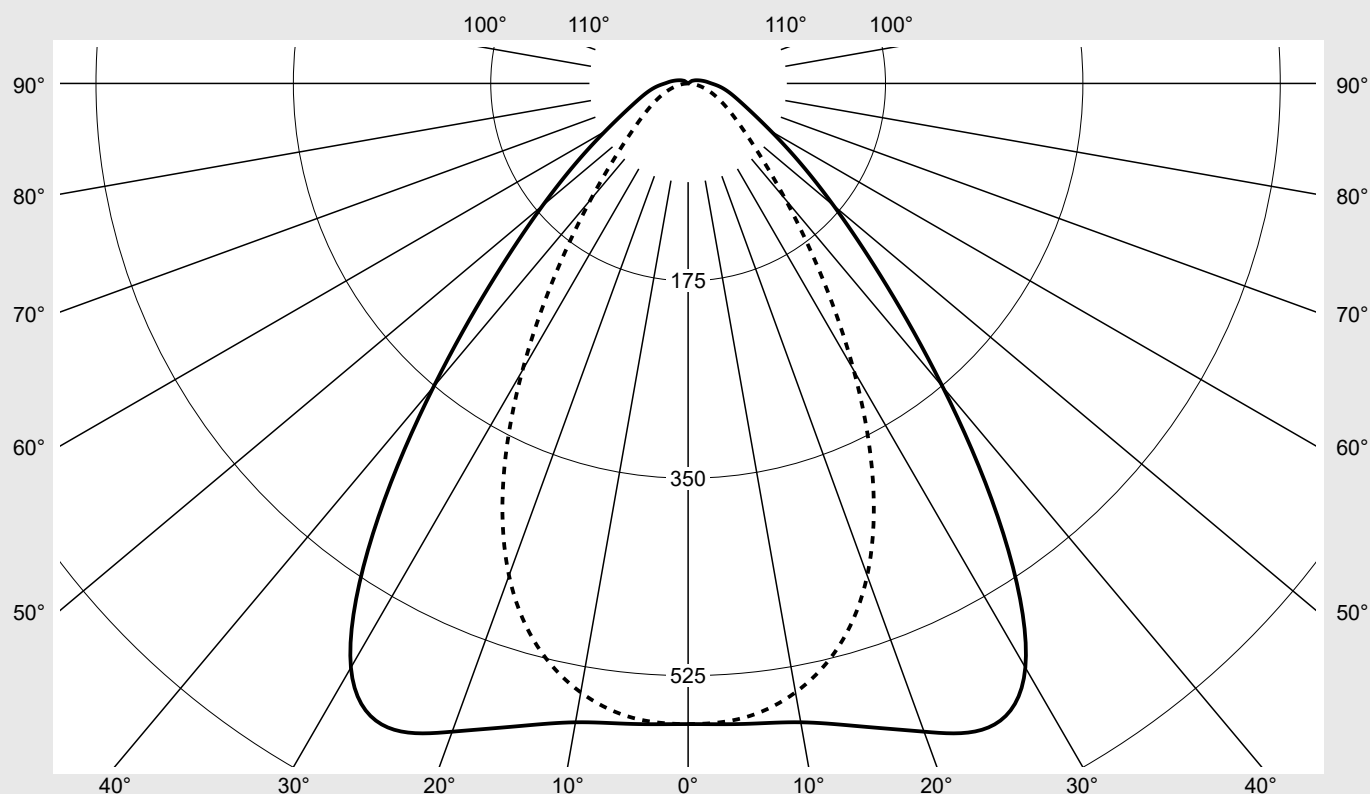
siteco

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

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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	23,2	24,6	23,5	24,9	25,2	19,0	20,4	19,3	20,8	21,1
	3H	23,8	25,0	24,1	25,4	25,7	19,4	20,7	19,8	21,1	21,4
	4H	24,1	25,3	24,5	25,6	26,0	19,6	20,8	20,0	21,2	21,6
	6H	24,5	25,6	24,9	25,9	26,3	19,8	20,9	20,2	21,3	21,7
	8H	24,8	25,7	25,2	26,1	26,5	19,8	20,9	20,3	21,3	21,7
	12H	25,0	25,9	25,5	26,3	26,7	19,9	20,9	20,3	21,3	21,7
4H	2H	23,2	24,4	23,6	24,8	25,1	19,7	20,8	20,1	21,2	21,6
	3H	23,9	25,0	24,4	25,3	25,8	20,2	21,2	20,6	21,6	22,0
	4H	24,4	25,3	24,8	25,7	26,1	20,5	21,4	20,9	21,8	22,2
	6H	25,0	25,7	25,4	26,2	26,6	20,7	21,5	21,2	21,9	22,4
	8H	25,3	26,0	25,7	26,4	26,9	20,8	21,5	21,2	22,0	22,4
	12H	25,7	26,2	26,1	26,7	27,2	20,8	21,5	21,3	22,0	22,4
8H	4H	24,4	25,1	24,9	25,6	26,0	20,8	21,5	21,3	21,9	22,4
	6H	25,1	25,6	25,5	26,1	26,6	21,1	21,7	21,6	22,2	22,7
	8H	25,5	26,0	26,0	26,5	27,0	21,2	21,8	21,7	22,3	22,8
	12H	26,0	26,4	26,5	26,9	27,4	21,4	21,8	21,9	22,3	22,8
12H	4H	24,4	25,0	24,9	25,5	26,0	20,9	21,5	21,4	21,9	22,4
	6H	25,1	25,6	25,6	26,1	26,6	21,3	21,7	21,8	22,2	22,8
	8H	25,5	25,9	26,0	26,4	27,0	21,4	21,9	22,0	22,4	22,9

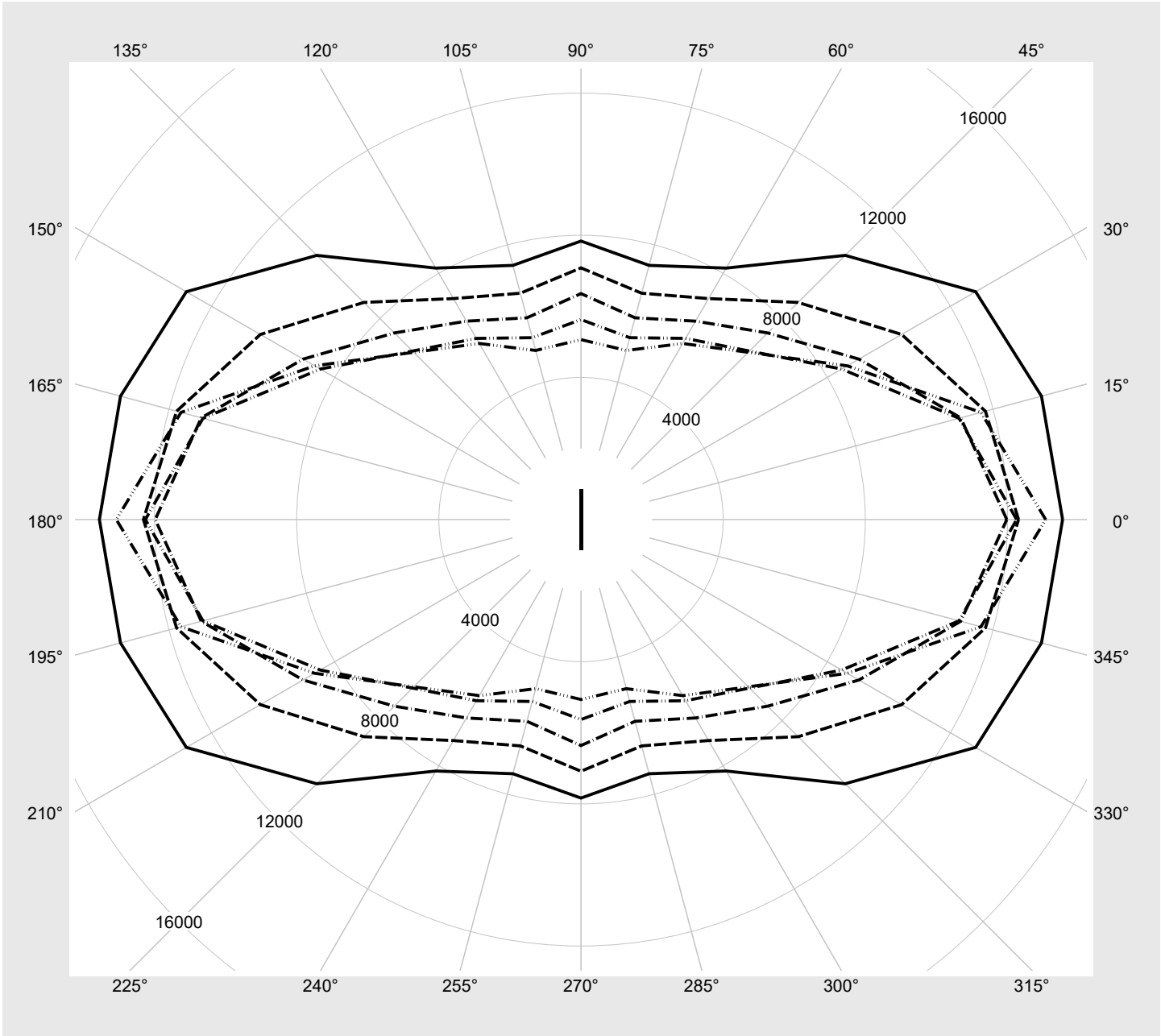
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		35710.9	37214.2	38731.4	32668.1	22337.1	16623.8	15501.6
50°		26625.6	27685.2	28951.0	24024.6	16279.6	12579.3	12081.6
55°		20404.2	21051.1	21730.4	17712.2	12264.7	10082.4	10098.6
60°		16096.0	16362.8	16454.4	13385.5	9731.9	8478.4	8790.6
65°		13551.9	13415.0	12823.7	10513.6	8171.0	7405.1	7837.2
70°		12312.2	11781.5	10418.5	8641.7	7180.8	6594.0	7082.6
75°		11981.2	11061.1	9030.1	7427.6	6446.9	5877.8	6359.2
80°		12259.5	11013.0	8470.5	6706.0	5886.8	5299.2	5627.7
85°		13076.4	11651.4	8653.0	6656.6	5721.2	4926.7	5063.7

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**Leuchtdichten in cd/m²**      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	14070	89.8
95	240	252	13363	85.1
90	226	250	12644	80.2
85	213	248	11971	75.8
80	199	245	11235	71.0
75	186	243	10546	66.6
70	173	240	9851	62.3
65	160	237	9145	57.9
60	147	234	8435	53.6
55	134	231	7715	49.3
50	122	227	7047	45.5
45	109	223	6320	41.2
40	97	219	5638	37.3
35	85	214	4951	33.4
30	72	208	4202	29.3
25	60	201	3504	25.5
20	48	193	2801	21.6
15	36	182	2092	17.8
10	24	168	1381	14.2
5	13	145	728	10.7
2	5	110	261	8.1