

## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51TP12CN4EXM**  
**EAN: 4058352930267**

**LP-Nummer**  
**58523\_224**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen CLOi  
**Bemessungswerte** Nettolichtstrom = 14240 lm  
 Systemleistung = 77.6 W  
 Lichtausbeute = 183.5 lm/W

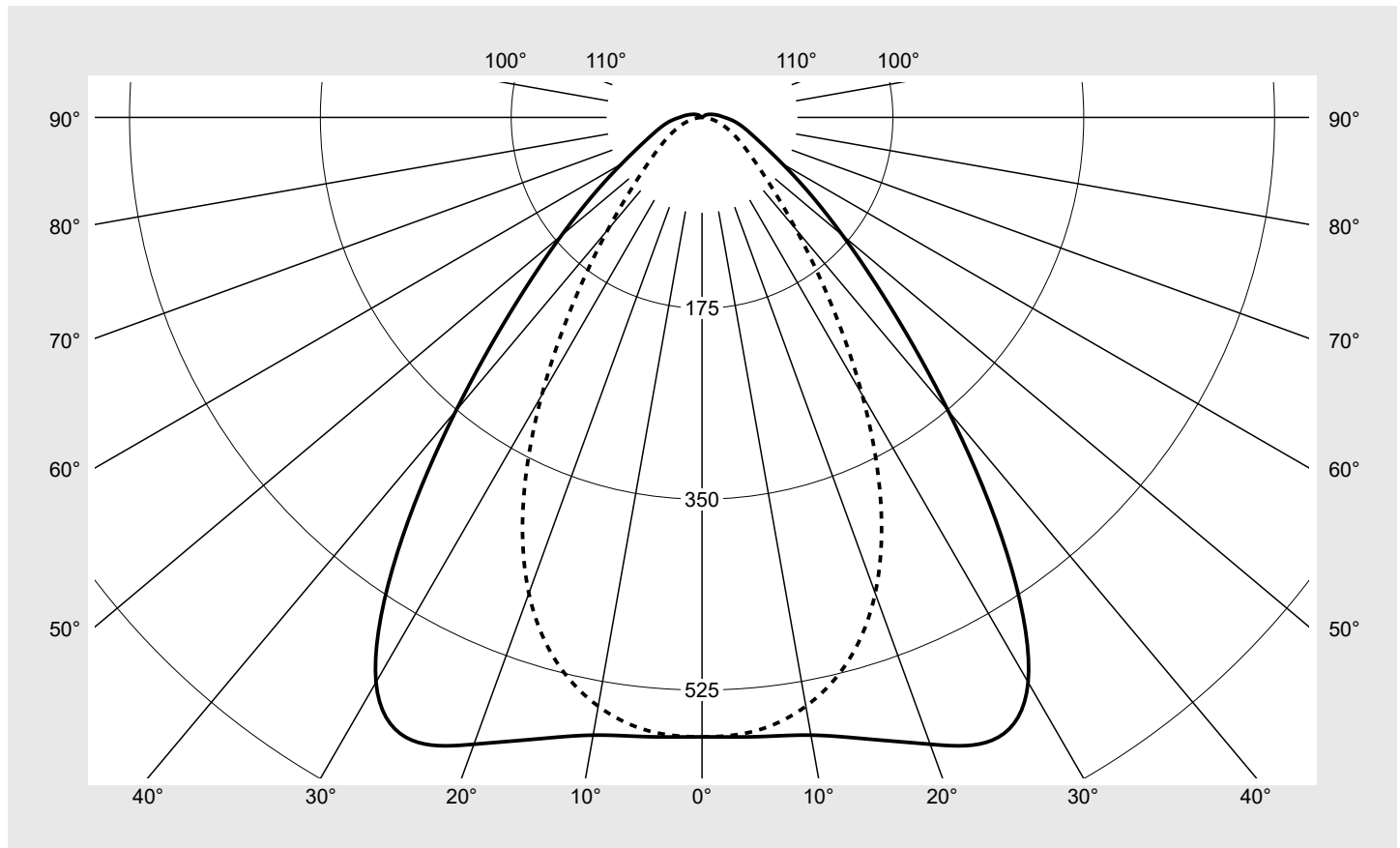
**Seriendokumentation**  
**12.10.2023**

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

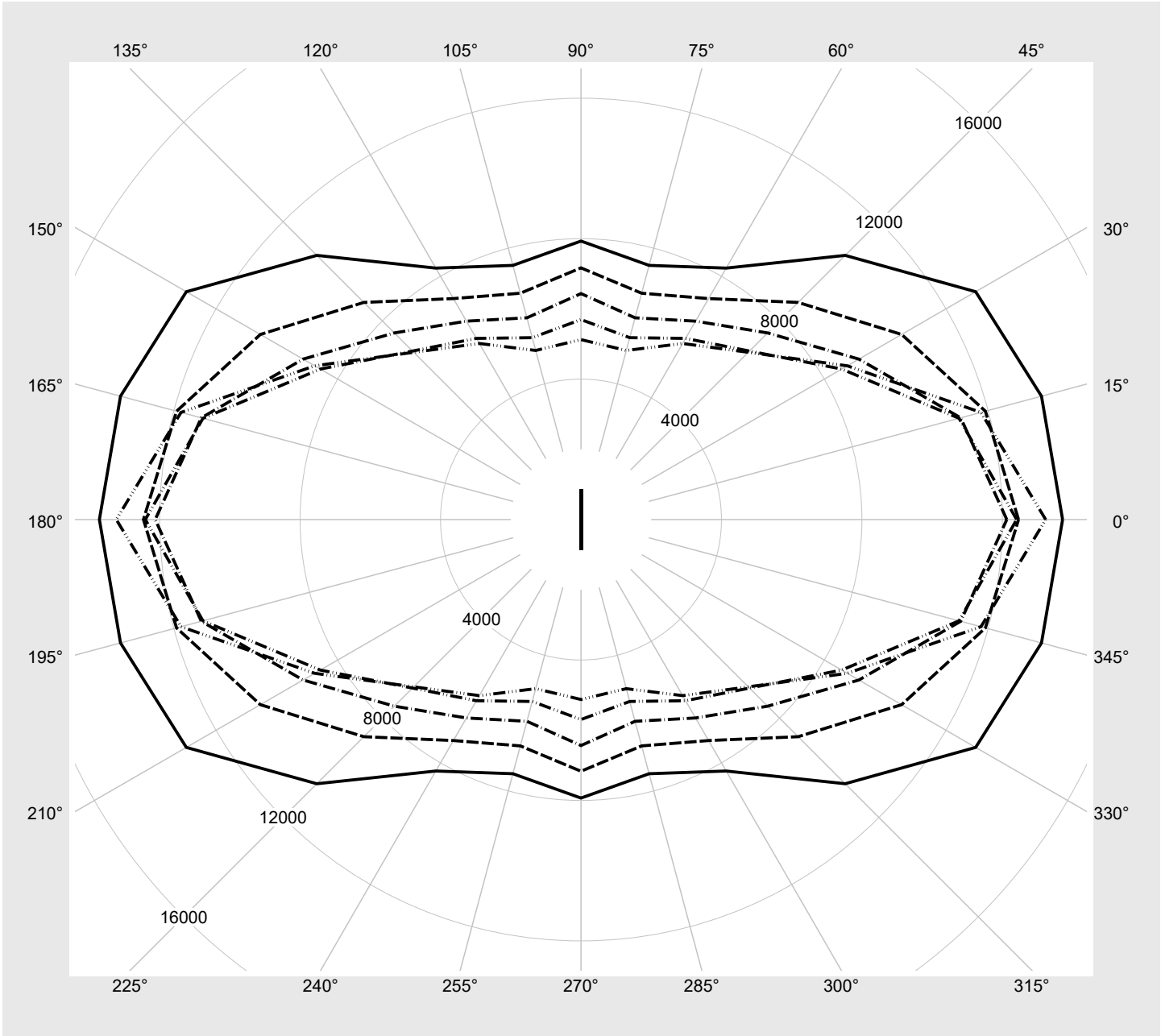
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		36142.4	37663.8	39199.4	33062.8	22607.0	16824.7	15688.9
50°		26947.3	28019.7	29300.8	24314.9	16476.3	12731.3	12227.6
55°		20650.7	21305.5	21993.0	17926.2	12412.9	10204.2	10220.6
60°		16290.5	16560.5	16653.2	13547.3	9849.5	8580.8	8896.8
65°		13715.7	13577.1	12978.6	10640.7	8269.8	7494.5	7931.9
70°		12460.9	11923.8	10544.4	8746.1	7267.5	6673.7	7168.2
75°		12126.0	11194.8	9139.2	7517.3	6524.8	5948.8	6436.1
80°		12407.6	11146.0	8572.9	6787.0	5958.0	5363.3	5695.7
85°		13234.4	11792.2	8757.6	6737.0	5790.3	4986.2	5124.9

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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>Multilumen-Tabelle</b>	Umgebungstemperatur: 25°C	<b>siteco</b>
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DIP-Stufe	Schalterstellung			Lichtstrom [lm]	Systemleistung [W]	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
	1	2	3				
1	A	C	E	14240	77.6	87.4	82.5
2	A	C	F	13000	70.1	79.0	74.6
3	A	D	E	12030	64.3	74.9	69.6
4	A	D	F	10980	58.3	65.2	61.8
5	B	C	E	9990	52.6	58.7	55.6
6	B	C	F	8990	47.0	52.2	49.6
7	B	D	E	7990	41.5	46.2	43.8
8	B	D	F	6970	36.0	39.9	38.0