

## Lichttechnischer Prüfbefund

**Familie**  
Licross® 11 Protected

**Bestell-Nr.: 51TD13CN4E5S**  
**EAN: 4058352928769**

**LP-Nummer**  
**58527\_95**

**Ausführung** Prismenabdeckung, satiniert, extrem eng strahlend

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-Multilumen CLOi

**Bemessungswerte** Nettolichtstrom = 14500 lm  
Systemleistung = 77.6 W  
Lichtausbeute = 186.9 lm/W

**Seriendokumentation**  
12.10.2023

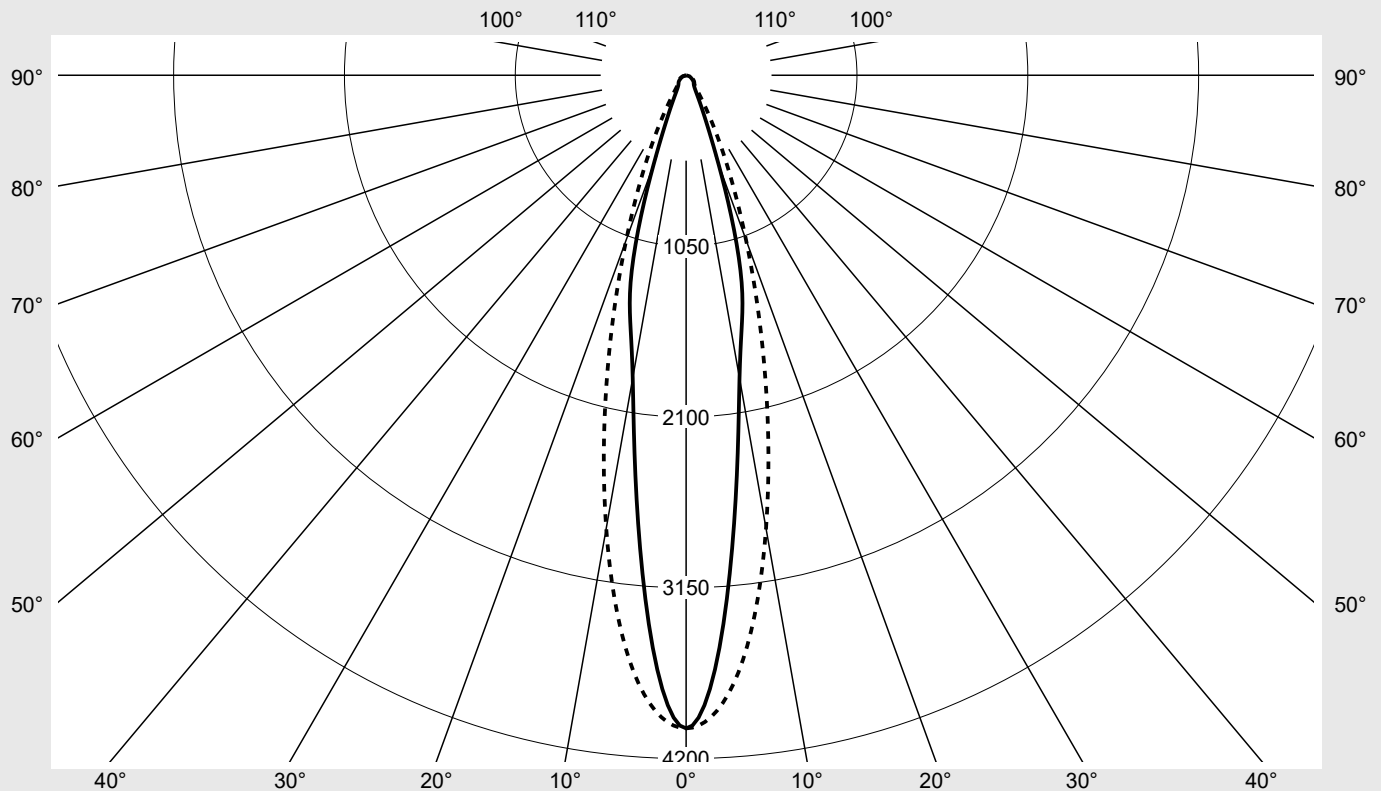
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 4014 cd/klm



### Klassifizierungen

DIN 5040 A 8 1  
CIE N1=89 N2=96 N3=99  
N4=100 N5=100

### Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  99,7%  
 $\phi_o$  0,3%

### Messbedingungen

DIN EN 13032 und DIN 5032

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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>sITeco</b>
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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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	4014.0	24.0	24.0
5°	3075.0	3073.4	3140.6	3286.7	3470.0	3619.0	3684.9	159.0	183.0
10°	1889.9	1876.2	1856.5	1927.7	2182.7	2591.5	2828.1	203.0	386.0
15°	1318.5	1331.1	1324.1	1227.2	1167.4	1498.4	1861.2	192.4	578.4
20°	585.4	606.8	689.8	798.0	693.5	737.0	1075.9	136.1	714.5
25°	239.7	246.3	276.4	361.8	426.5	351.4	567.8	79.8	794.2
30°	128.7	127.4	129.3	152.0	214.6	178.7	273.1	45.8	840.1
35°	88.6	83.8	76.3	80.1	101.4	103.4	134.8	29.2	869.2
40°	73.1	66.6	55.1	52.3	60.4	70.8	85.4	22.6	891.8
45°	65.6	58.2	44.9	39.5	42.7	55.1	71.6	20.0	911.8
50°	58.1	50.6	38.4	32.4	32.8	44.4	65.0	18.2	930.0
55°	47.1	41.7	33.1	27.2	26.3	35.1	57.2	16.1	946.1
60°	37.8	33.0	27.8	22.9	21.3	27.1	47.5	13.8	959.9
65°	30.0	25.5	22.6	19.4	17.3	20.3	35.6	11.4	971.3
70°	23.9	19.8	17.3	16.1	13.9	14.7	23.4	9.1	980.4
75°	19.2	15.7	12.9	12.9	10.8	10.0	13.4	6.9	987.3
80°	14.6	12.1	9.7	9.6	7.9	6.2	6.6	5.0	992.4
85°	10.5	9.0	7.3	6.7	5.6	3.2	2.3	3.5	995.8
90°	7.5	6.5	5.5	4.5	3.7	1.4	0.2	2.3	998.2
95°	6.1	5.4	4.5	3.6	2.8	0.8	0.2	1.8	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	14,8	15,9	15,1	16,2	16,5	15,3	16,4	15,7	16,7	17,0
	3H	16,4	17,1	16,8	17,5	17,8	16,8	17,6	17,2	17,9	18,3
	4H	16,8	17,7	17,2	18,0	18,4	17,0	17,9	17,4	18,3	18,6
	6H	17,2	18,2	17,6	18,6	19,0	17,0	18,0	17,5	18,4	18,8
	8H	17,9	18,5	18,3	18,9	19,3	17,2	18,1	17,6	18,4	18,9
	12H	17,9	18,7	18,3	19,1	19,5	17,2	18,0	17,6	18,4	18,8
4H	2H	15,0	15,9	15,4	16,3	16,6	15,5	16,4	15,9	16,7	17,1
	3H	16,5	17,3	16,9	17,7	18,1	16,8	17,5	17,2	17,9	18,4
	4H	17,3	18,0	17,7	18,4	18,8	17,3	18,0	17,8	18,4	18,8
	6H	17,8	18,6	18,3	19,1	19,5	17,4	18,2	17,9	18,6	19,1
	8H	18,5	19,0	19,0	19,4	19,9	17,8	18,3	18,3	18,7	19,2
	12H	18,6	19,3	19,1	19,7	20,2	17,6	18,2	18,1	18,7	19,2
8H	4H	17,5	18,0	18,0	18,4	18,9	17,5	18,0	18,0	18,4	18,9
	6H	18,7	18,8	19,2	19,3	19,8	18,0	18,3	18,5	18,8	19,3
	8H	18,8	19,2	19,3	19,7	20,2	18,1	18,5	18,6	18,9	19,5
	12H	19,0	19,6	19,5	20,1	20,6	17,9	18,5	18,4	18,9	19,5
12H	4H	17,2	17,9	17,7	18,3	18,8	17,2	17,9	17,7	18,3	18,8
	6H	18,1	18,7	18,6	19,2	19,7	17,7	18,3	18,2	18,8	19,3
	8H	18,6	19,2	19,1	19,7	20,2	17,9	18,5	18,4	19,0	19,5

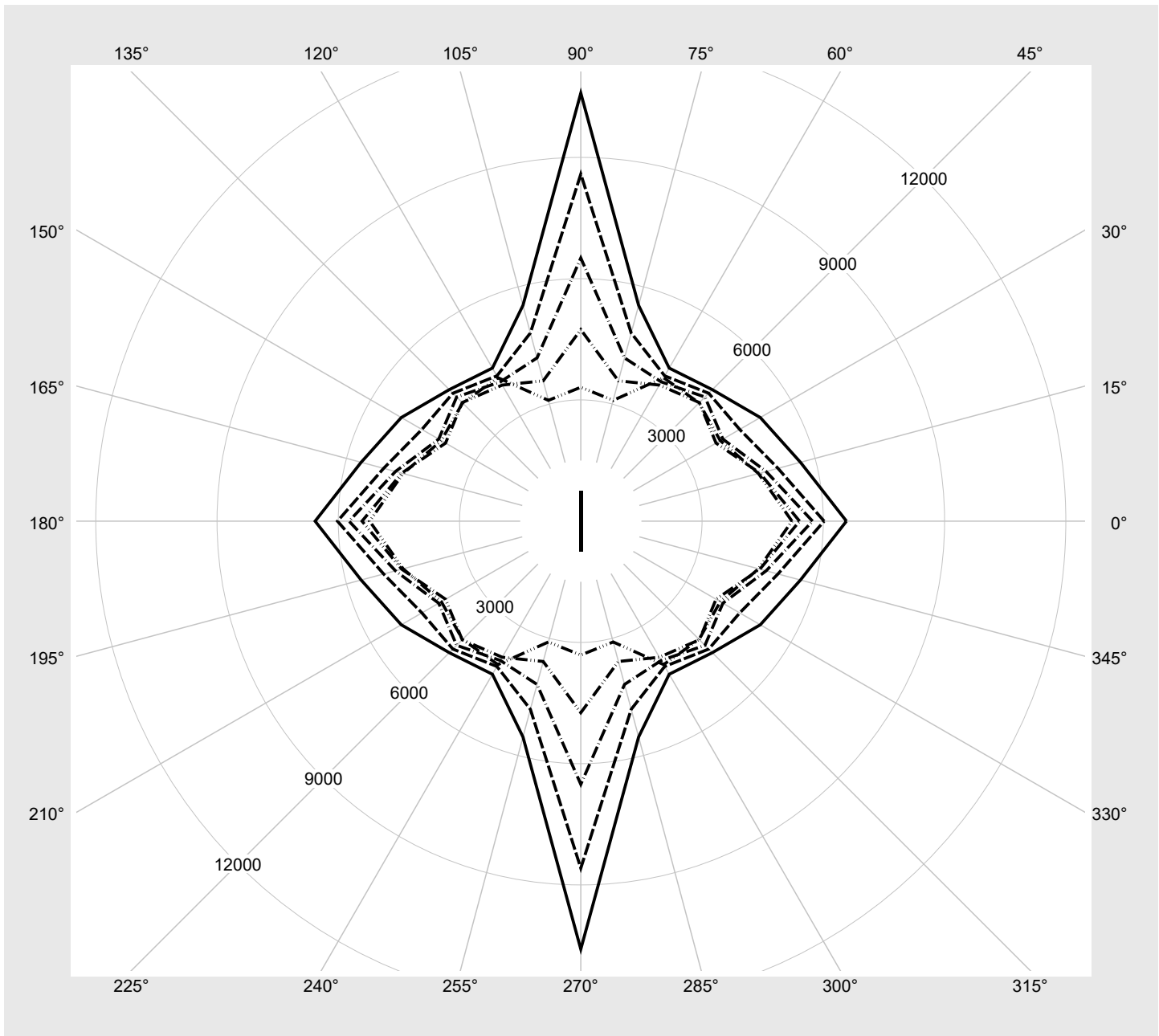
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9995.6	8899.2	6973.3	6276.5	7008.9	9390.9	12721.6	
50°		9463.7	8290.1	6399.6	5550.2	5824.9	8254.7	12700.8	
55°		8339.8	7419.8	6010.6	5092.9	5144.1	7238.2	12519.3	
60°		7370.8	6474.8	5591.0	4776.9	4681.2	6327.8	11921.8	
65°		6573.0	5626.5	5128.1	4601.7	4373.5	5527.7	10590.2	
70°		6019.9	5050.0	4539.6	4475.6	4151.0	4819.6	8586.3	
75°		5733.6	4747.2	4059.3	4344.0	3980.2	4181.8	6511.3	
80°		5412.4	4587.3	3863.7	4149.2	3887.8	3594.5	4739.3	
85°		5224.4	4551.7	3984.5	4138.0	4098.0	3094.6	3313.3	

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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	14500	77.6	87.4	82.5
2	A	C	F	13233	70.1	79.0	74.6
3	A	D	E	12254	64.3	74.9	69.6
4	A	D	F	11178	58.3	65.2	61.8
5	B	C	E	10167	52.6	58.7	55.6
6	B	C	F	9156	47.0	52.2	49.6
7	B	D	E	8134	41.5	46.2	43.8
8	B	D	F	7090	36.0	39.9	38.0