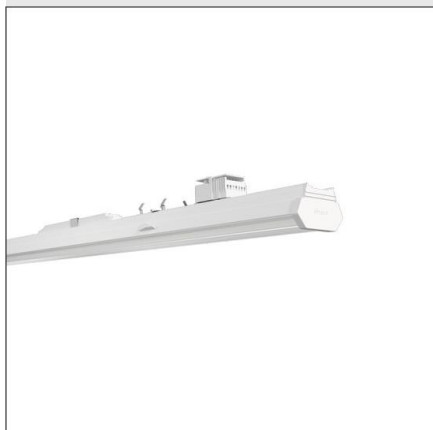


## Lichttechnischer Prüfbefund

Familie  
Licross® Protected

Bestell-Nr.: 51TP12CN58XF  
EAN: 4058352241455

LP-Nummer  
58524\_28



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 5000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen CLOi  
**Bemessungswerte** Nettolichtstrom = 8190 lm  
Systemleistung = 49.0 W  
Lichtausbeute = 167.1 lm/W

Seriendokumentation  
13.03.2020

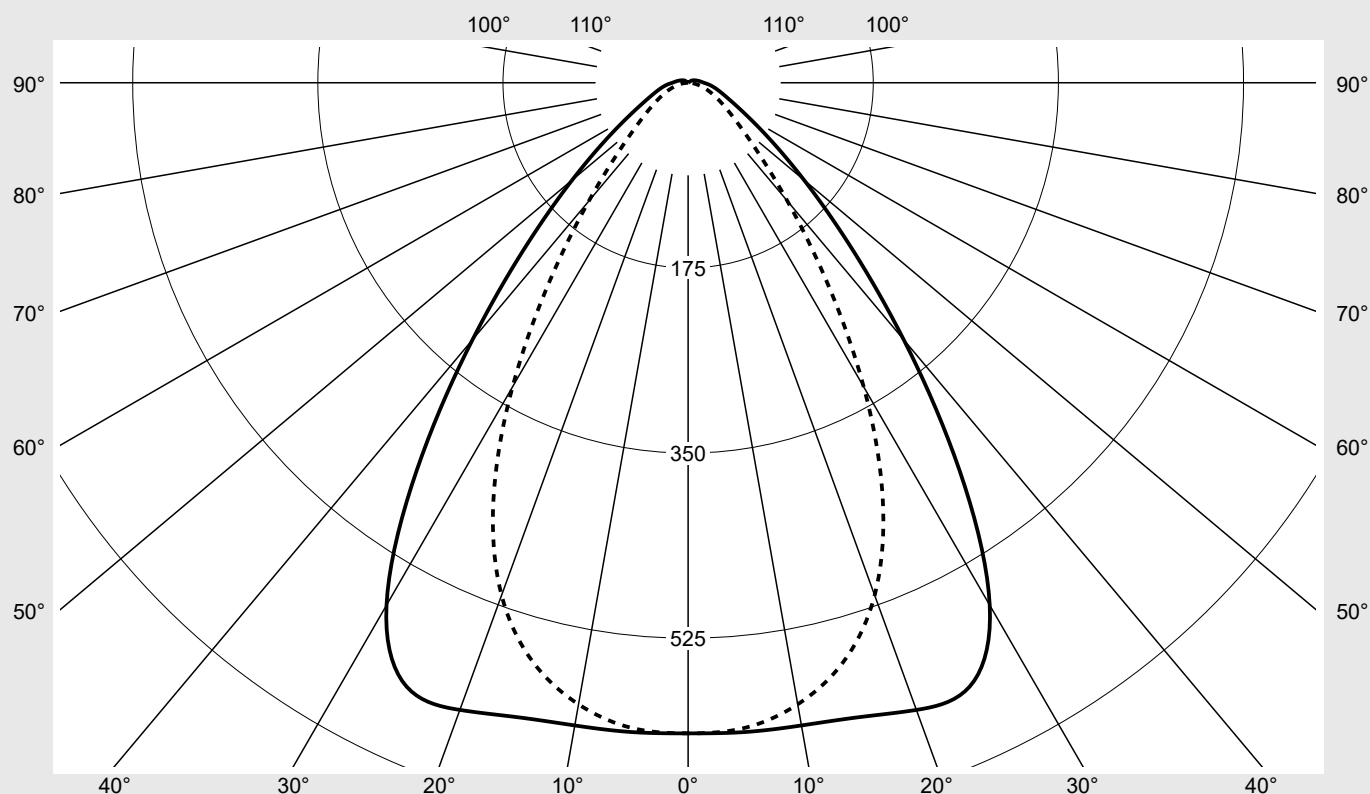
sitEco

Lichtstärke in cd/klm

C180-0

C270-90

Imax: 631 cd/klm



## Klassifizierungen

DIN 5040 A 5 1  
CIE N1=73 N2=92 N3=98  
N4=99 N5=100

## Leuchtenbetriebswirkungsgrade

$\eta_{LB}$  100,0%  
 $\phi_u$  98,6%  
 $\phi_o$  1,4%

## 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°	615.0	615.0	615.0	615.0	615.0	615.0	615.0	3.7	3.7
5°	616.1	614.1	609.7	611.1	612.9	611.9	612.2	29.3	32.9
10°	616.9	615.1	606.4	602.8	600.3	597.0	596.6	57.6	90.5
15°	620.9	617.8	600.9	587.5	576.7	568.6	566.8	83.8	174.3
20°	630.8	623.5	591.7	561.2	536.7	520.1	515.5	106.4	280.7
25°	629.8	620.7	576.3	523.2	476.9	445.6	435.5	122.6	403.3
30°	570.2	568.9	534.3	469.6	398.0	348.4	331.9	126.5	529.9
35°	447.2	456.9	450.2	394.1	307.5	246.5	227.0	114.9	644.8
40°	317.0	331.0	344.1	303.2	220.2	163.1	146.0	93.6	738.3
45°	213.9	226.3	244.1	214.7	147.7	105.6	94.0	70.6	808.9
50°	143.1	152.0	166.9	144.8	97.7	70.8	64.1	51.5	860.4
55°	96.6	102.1	111.9	95.1	64.8	49.7	46.3	37.0	897.4
60°	67.0	69.6	74.2	63.4	44.8	36.0	34.5	26.8	924.2
65°	49.0	49.5	50.0	42.8	32.0	26.6	25.7	19.7	943.9
70°	37.9	37.0	34.4	29.4	23.3	19.5	18.8	14.8	958.7
75°	30.5	28.7	24.6	20.4	16.6	13.6	12.7	11.1	969.8
80°	24.8	22.7	18.1	14.1	11.2	8.8	7.6	8.2	978.0
85°	19.7	17.8	13.4	9.8	7.1	4.8	3.4	5.9	983.8
90°	14.9	13.4	9.7	6.4	4.0	1.9	0.4	3.9	987.8
95°	12.2	11.1	8.2	5.4	3.1	1.2	0.3	3.2	991.0
100°	10.0	9.2	6.9	4.5	2.4	0.7	0.3	2.6	993.6
105°	8.2	7.6	5.7	3.6	1.7	0.4	0.3	2.1	995.6
110°	6.8	6.2	4.6	2.7	1.1	0.3	0.3	1.6	997.2
115°	5.5	5.0	3.7	2.0	0.7	0.4	0.4	1.2	998.4
120°	4.3	3.8	2.7	1.4	0.6	0.5	0.5	0.9	999.3
125°	3.1	2.7	1.8	0.9	0.6	0.6	0.6	0.6	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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siteco

UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	20,6	22,0	20,9	22,3	22,6	17,3	18,7	17,7	19,1	19,4
	3H	21,0	22,3	21,4	22,6	22,9	17,7	18,9	18,0	19,3	19,6
	4H	21,2	22,4	21,6	22,7	23,1	17,8	19,0	18,2	19,4	19,7
	6H	21,5	22,6	21,9	22,9	23,3	17,9	19,1	18,4	19,4	19,8
	8H	21,8	22,7	22,2	23,1	23,5	18,0	19,0	18,5	19,4	19,8
	12H	21,9	22,8	22,4	23,2	23,6	18,1	19,0	18,5	19,4	19,8
4H	2H	20,6	21,8	21,0	22,2	22,6	17,9	19,0	18,2	19,4	19,7
	3H	21,2	22,2	21,6	22,6	23,0	18,3	19,3	18,8	19,7	20,1
	4H	21,5	22,4	22,0	22,8	23,2	18,5	19,4	19,0	19,8	20,3
	6H	21,9	22,7	22,4	23,1	23,6	18,7	19,5	19,2	19,9	20,4
	8H	22,2	22,8	22,6	23,3	23,8	18,8	19,5	19,3	20,0	20,4
	12H	22,5	23,0	22,9	23,5	24,0	18,9	19,5	19,4	19,9	20,4
8H	4H	21,5	22,2	22,0	22,7	23,2	18,8	19,4	19,2	19,9	20,4
	6H	22,0	22,6	22,5	23,1	23,6	19,1	19,6	19,5	20,1	20,6
	8H	22,3	22,8	22,8	23,3	23,9	19,2	19,7	19,7	20,2	20,7
	12H	22,7	23,1	23,3	23,6	24,2	19,3	19,7	19,8	20,2	20,7
12H	4H	21,5	22,1	22,0	22,6	23,1	18,8	19,4	19,3	19,9	20,4
	6H	22,0	22,5	22,5	23,0	23,5	19,2	19,6	19,7	20,1	20,6
	8H	22,4	22,8	22,9	23,3	23,8	19,3	19,7	19,8	20,2	20,8

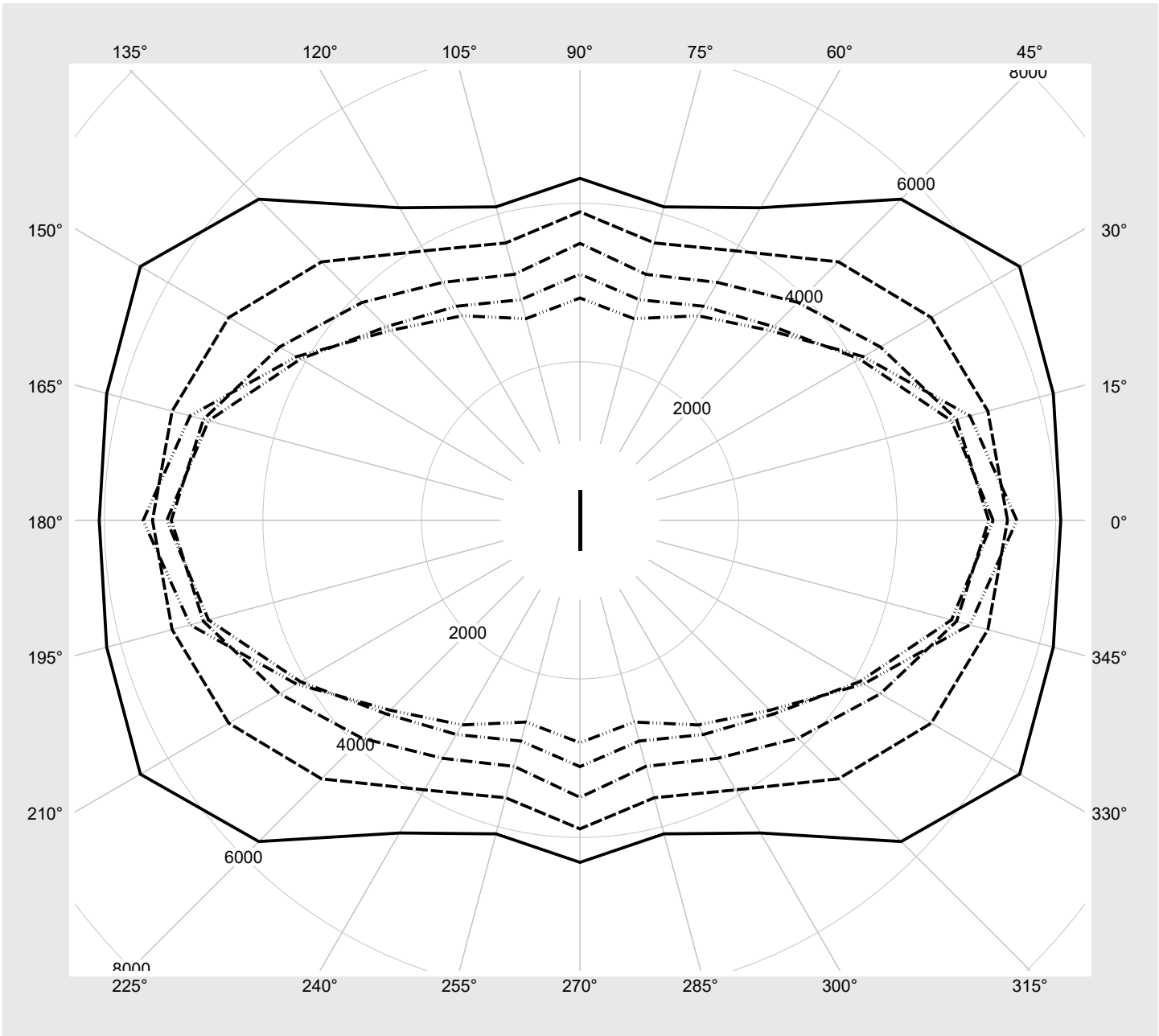
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13
		H(C90) = 0	H(C270) = 0

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°		18398.1	19553.5	21401.6	19268.4	13677.1	10158.8	9434.9	
50°		13173.5	14076.6	15721.5	14017.5	9809.8	7429.6	7070.3	
55°		9647.2	10264.4	11472.3	10068.1	7163.2	5786.5	5727.7	
60°		7381.7	7721.6	8425.3	7468.6	5549.1	4758.0	4889.7	
65°		6065.0	6181.5	6403.7	5729.4	4553.5	4093.9	4314.2	
70°		5393.4	5326.8	5116.4	4611.1	3925.5	3622.5	3891.6	
75°		5156.1	4918.5	4375.0	3887.4	3466.0	3212.7	3494.1	
80°		5212.4	4851.9	4071.3	3454.1	3118.7	2881.8	3106.3	
85°		5510.9	5092.3	4129.7	3386.7	2979.6	2633.9	2805.1	

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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>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	8190	49.0	54.4	51.7
2	A	C	F	7560	44.8	49.8	47.3
3	A	D	E	7070	41.7	46.2	44.0
4	A	D	F	6510	38.1	42.1	40.1
5	B	C	E	6060	35.5	39.0	37.2
6	B	C	F	5550	32.5	35.5	34.0
7	B	D	E	5050	29.4	32.0	30.7
8	B	D	F	4540	26.4	29.0	27.7