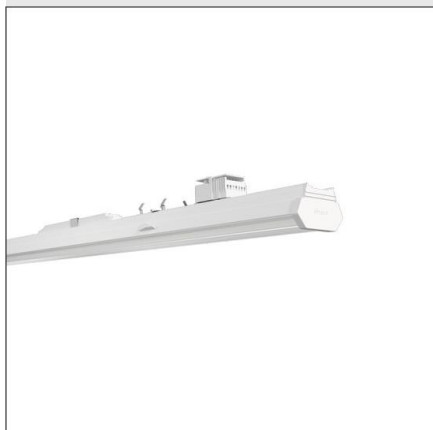


## Lichttechnischer Prüfbefund

**Familie**  
**Licross® Protected**

**Bestell-Nr.: 51TS12CN4C5L**  
**EAN: 4058352298527**

**LP-Nummer**  
**58521\_10**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-Multilumen CLOi  
**Bemessungswerte** Nettolichtstrom = 12600 lm  
 Systemleistung = 78.7 W  
 Lichtausbeute = 160.1 lm/W

**Seriendokumentation**  
**12.12.2019**

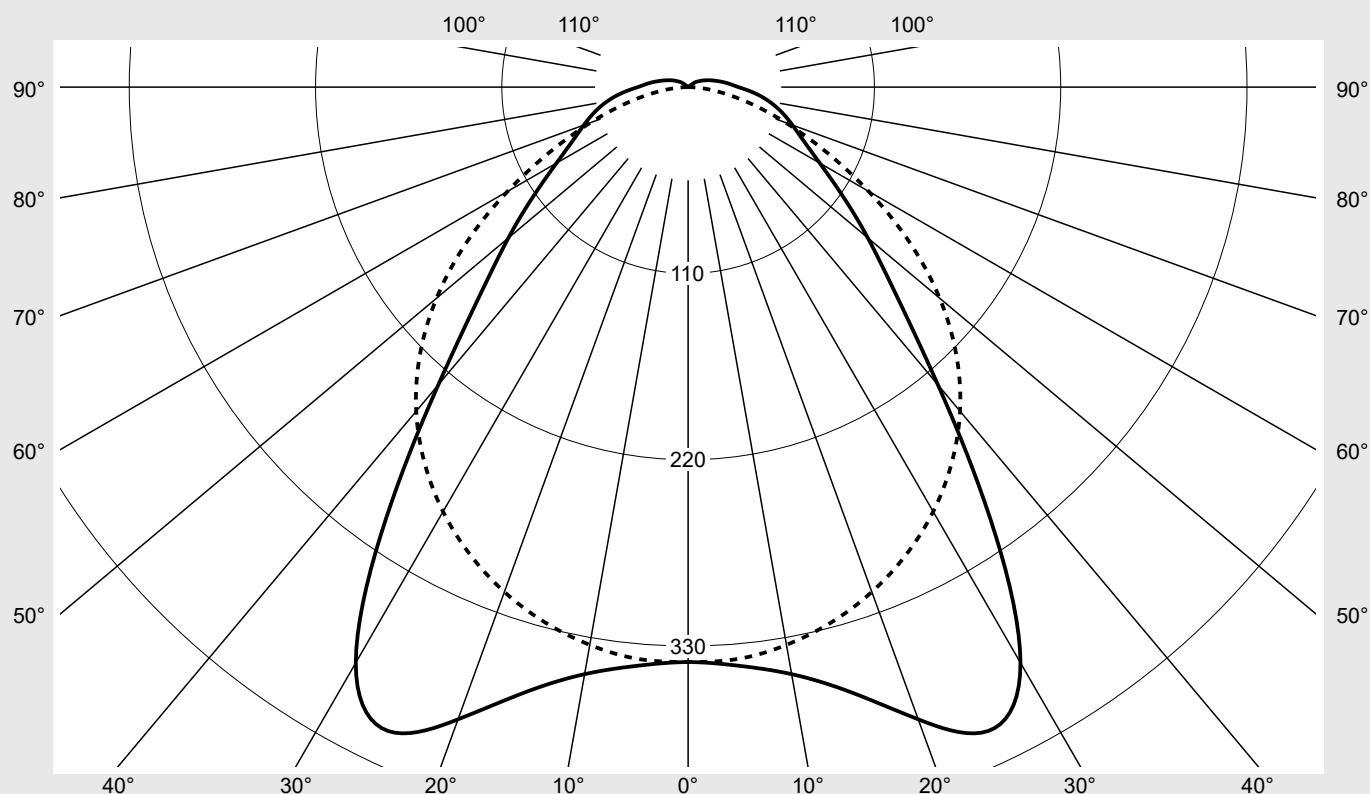
**sITeco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 419 cd/klm**

**Klassifizierungen**

DIN 5040 A 4 1  
 CIE N1=54 N2=82 N3=95  
 N4=97 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  96,8%  
 $\phi_o$  3,2%

**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°	339.5	339.5	339.5	339.5	339.5	339.5	339.5	2.0	2.0
5°	343.0	342.0	339.2	339.3	339.7	338.8	338.9	16.2	18.3
10°	352.0	350.9	345.1	341.6	338.4	335.1	334.4	32.6	50.9
15°	369.7	367.9	356.8	346.8	337.2	329.4	327.1	49.3	100.2
20°	397.2	393.9	374.9	354.6	335.9	321.8	317.2	66.8	167.0
25°	419.5	416.9	395.3	365.3	334.4	312.1	304.6	84.4	251.4
30°	392.5	397.1	392.3	370.7	332.1	300.1	289.4	97.4	348.9
35°	311.0	322.2	341.8	350.7	323.8	285.3	271.2	100.3	449.2
40°	229.5	240.6	267.7	298.9	299.5	266.8	249.8	94.7	543.9
45°	174.0	182.0	204.5	237.4	256.3	239.9	224.1	85.2	629.1
50°	138.5	144.4	161.2	187.1	207.0	203.8	193.9	74.9	704.0
55°	110.9	115.6	129.9	149.5	163.4	162.9	159.6	64.1	768.1
60°	89.8	92.9	103.5	120.2	127.5	124.1	123.1	53.4	821.5
65°	75.3	77.0	82.7	94.9	98.6	91.3	89.2	43.6	865.1
70°	65.6	65.8	66.8	73.1	74.5	64.6	61.3	35.1	900.1
75°	57.2	56.6	54.5	55.3	53.6	43.2	39.2	27.5	927.6
80°	48.6	47.5	44.1	40.6	36.2	26.8	21.9	20.7	948.4
85°	39.1	38.1	34.6	29.4	22.8	14.4	9.2	14.9	963.2
90°	29.7	28.9	25.8	20.2	13.1	5.9	0.8	10.0	973.2
95°	24.0	23.5	21.5	16.6	10.0	3.6	0.7	8.0	981.2
100°	19.1	18.8	17.3	13.3	7.4	1.9	0.7	6.2	987.3
105°	15.1	14.8	13.5	10.2	5.0	0.8	0.6	4.6	991.9
110°	11.8	11.4	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.1	8.6	7.4	4.7	1.4	0.7	0.7	2.3	997.5
120°	6.7	6.2	4.9	2.7	0.8	0.7	0.8	1.5	999.1
125°	4.5	4.0	2.9	1.3	0.8	0.8	0.8	0.9	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	22,0	23,6	22,3	23,9	24,2	23,8	25,5	24,2	25,8	26,1
	3H	23,2	24,6	23,5	25,0	25,3	24,8	26,3	25,2	26,6	27,0
	4H	23,9	25,2	24,2	25,6	26,0	25,2	26,6	25,6	26,9	27,3
	6H	24,6	25,9	25,0	26,3	26,7	25,4	26,7	25,9	27,1	27,5
	8H	25,0	26,2	25,5	26,6	27,0	25,6	26,7	26,0	27,1	27,5
	12H	25,4	26,6	25,8	26,9	27,4	25,6	26,7	26,0	27,1	27,5
4H	2H	22,8	24,2	23,2	24,5	24,9	24,3	25,6	24,7	26,0	26,4
	3H	24,2	25,4	24,6	25,7	26,1	25,5	26,7	26,0	27,1	27,5
	4H	25,0	26,1	25,4	26,5	26,9	26,0	27,1	26,5	27,5	27,9
	6H	25,9	26,8	26,4	27,3	27,7	26,4	27,3	26,8	27,8	28,2
	8H	26,4	27,2	26,8	27,7	28,1	26,5	27,4	27,0	27,8	28,3
	12H	26,9	27,6	27,3	28,1	28,6	26,6	27,4	27,1	27,8	28,3
8H	4H	25,4	26,3	25,9	26,7	27,2	26,3	27,2	26,8	27,6	28,1
	6H	26,5	27,2	27,0	27,7	28,2	26,8	27,6	27,3	28,0	28,5
	8H	27,1	27,7	27,6	28,2	28,7	27,0	27,7	27,5	28,2	28,7
	12H	27,7	28,3	28,2	28,8	29,3	27,2	27,8	27,7	28,3	28,8
12H	4H	25,5	26,2	26,0	26,7	27,2	26,4	27,1	26,9	27,6	28,1
	6H	26,6	27,2	27,1	27,7	28,2	27,0	27,6	27,5	28,1	28,6
	8H	27,3	27,8	27,8	28,3	28,9	27,2	27,8	27,7	28,3	28,8

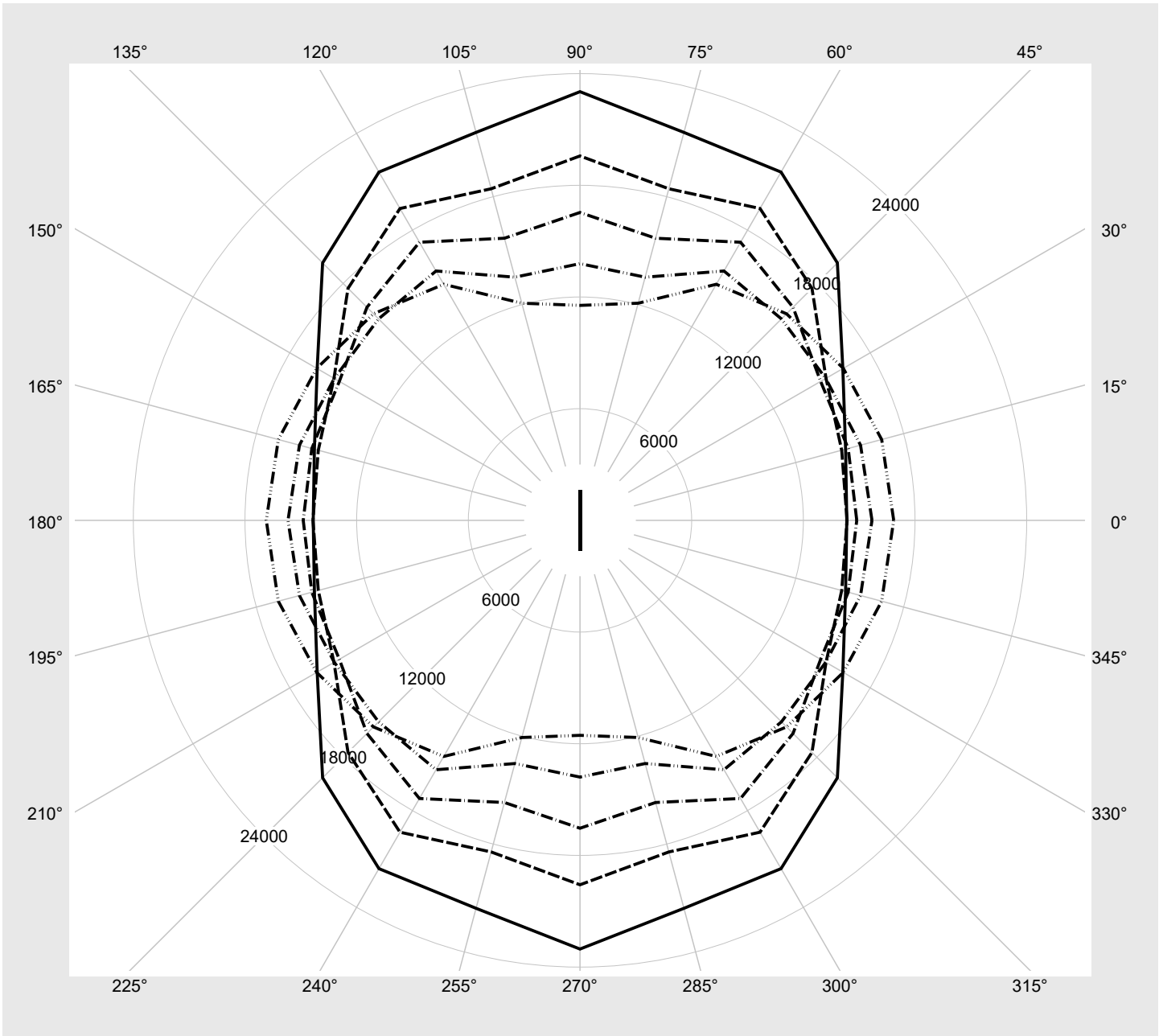
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		23020.7	24191.9	27590.0	32782.3	36522.2	35496.4	34587.0
50°		19626.6	20575.5	23360.0	27850.7	31975.9	32916.0	32924.7
55°		17040.4	17883.8	20496.2	24347.0	27782.5	29204.9	30363.3
60°		15206.4	15856.8	18077.6	21784.5	24324.2	25216.0	26864.5
65°		14333.4	14773.8	16306.5	19557.7	21605.2	21577.4	23030.5
70°		14348.6	14557.2	15263.7	17627.2	19345.1	18442.3	19577.4
75°		14870.4	14918.2	14930.8	16188.2	17253.9	15691.5	16540.5
80°		15688.9	15605.7	15246.8	15306.2	15469.7	13525.2	13791.8
85°		16855.7	16780.6	16335.9	15693.6	14645.0	12077.5	11549.0

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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	12600	78.7	87.9	83.3
2	A	C	F	11060	67.9	75.6	71.8
3	A	D	E	10070	61.3	68.0	64.6
4	A	D	F	9070	54.7	60.5	57.6
5	B	C	E	8060	48.2	53.5	50.8
6	B	C	F	7100	42.2	46.5	44.4
7	B	D	E	6050	35.8	39.2	37.5
8	B	D	F	5060	30.0	32.9	31.4