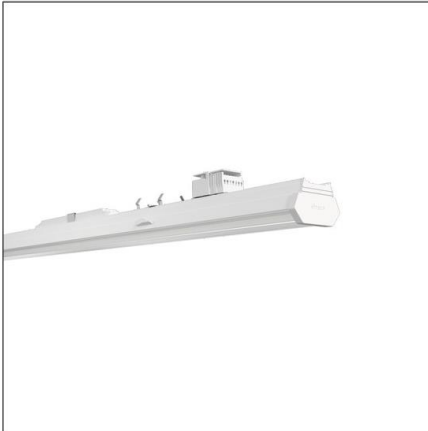


## Lichttechnischer Prüfbefund

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

**Bestell-Nr.: 51TS12DN48XF3S4**  
**EAN: 4058352676820**

**LP-Nummer**  
**58522\_224**



**Ausführung** Prismenabdeckung, satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Einstellung** AC-Betrieb  
**Bemessungswerte** Nettolichtstrom = 8470 lm  
 Systemleistung = 60.0 W  
 Lichtausbeute = 141.2 lm/W

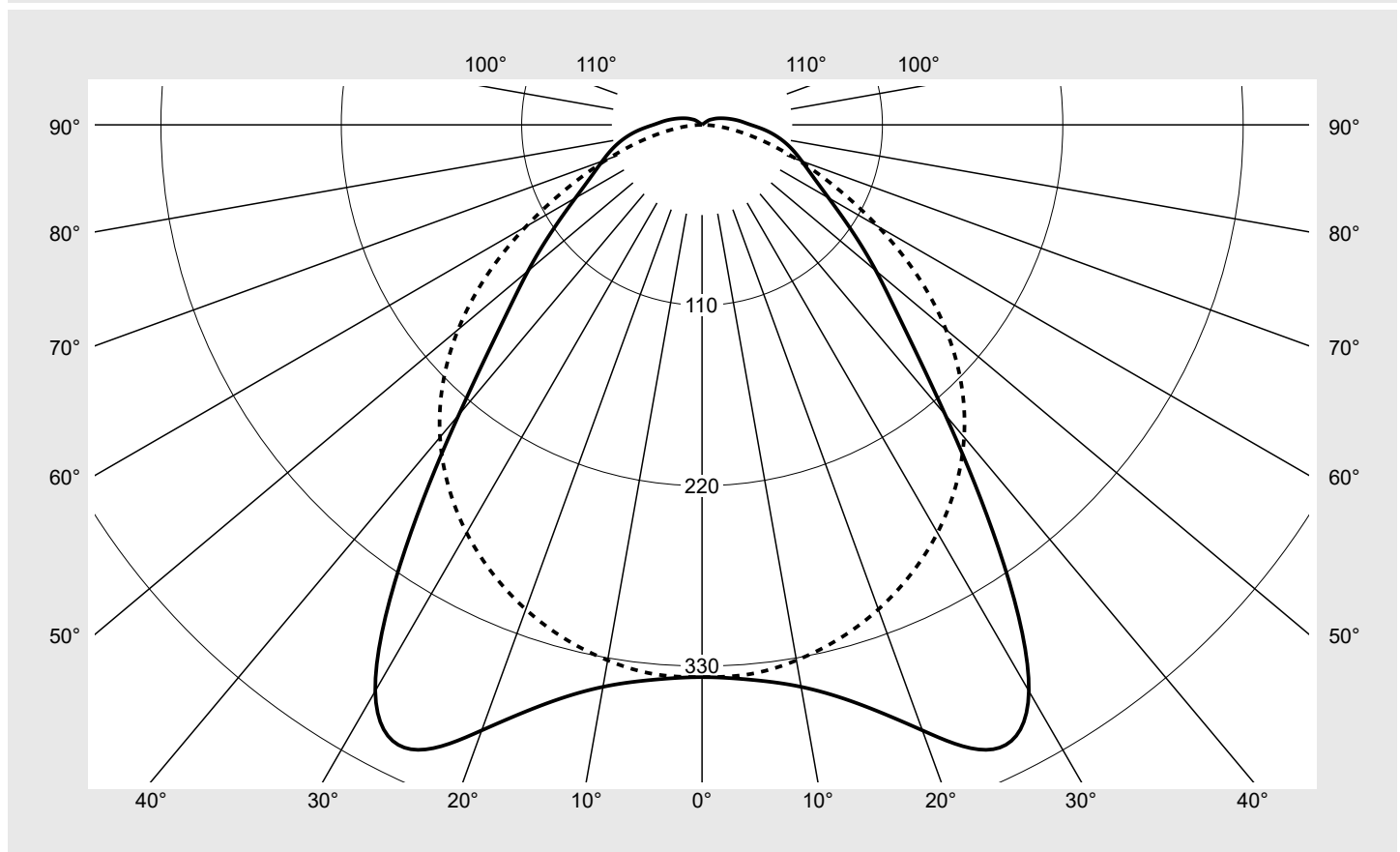
**Seriendokumentation**  
21.07.2022

**siteco**

**Lichtstärke in cd/klm**

**C180-0** **C270-90**

**Imax: 420 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

<b>Familie</b> <b>Licross® 11 Protected</b>	<b>Bestell-Nr.: 51TS12DN48XF3S4</b> <b>EAN: 4058352676820</b>	<b>LP-Nummer</b> <b>58522_224</b>
<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°			
γ									
Lichtstärke in cd/klm									
Lichtstrom in lm/klm									
0°	336.7	336.7	336.7	336.7	336.7	336.7	336.7	2.0	2.0
5°	339.6	338.6	335.9	336.3	336.9	336.0	336.1	16.1	18.1
10°	347.9	347.0	341.3	338.0	335.2	332.1	331.5	32.3	50.4
15°	365.1	363.4	352.6	343.0	333.9	326.3	324.2	48.8	99.2
20°	392.9	389.6	370.2	350.5	332.5	318.7	314.4	66.1	165.3
25°	420.1	417.2	393.2	361.7	330.8	309.3	301.9	83.9	249.2
30°	398.6	403.0	395.6	369.9	329.0	297.6	287.2	97.7	346.8
35°	315.4	327.2	346.9	353.5	322.7	283.2	269.5	100.9	447.7
40°	230.7	242.3	270.7	302.4	300.6	265.5	248.6	95.2	542.9
45°	173.9	182.1	205.6	239.8	258.3	240.0	223.6	85.6	628.5
50°	138.5	144.5	161.6	188.3	208.7	204.6	194.1	75.2	703.7
55°	110.6	115.5	130.2	150.3	164.6	163.9	160.4	64.4	768.0
60°	89.1	92.4	103.6	120.9	128.5	124.9	123.9	53.5	821.6
65°	74.6	76.3	82.5	95.4	99.4	91.8	89.8	43.7	865.3
70°	64.8	65.1	66.4	73.4	75.2	65.0	61.7	35.1	900.3
75°	56.7	56.1	54.1	55.3	54.0	43.4	39.3	27.4	927.8
80°	48.3	47.2	43.9	40.6	36.4	26.8	21.9	20.7	948.5
85°	39.1	38.0	34.5	29.4	22.9	14.4	9.1	14.9	963.3
90°	29.8	28.8	25.7	20.2	13.1	5.8	0.8	9.9	973.3
95°	24.0	23.5	21.4	16.6	9.9	3.5	0.7	7.9	981.2
100°	19.2	18.8	17.3	13.3	7.4	1.9	0.6	6.2	987.4
105°	15.1	14.8	13.6	10.2	5.0	0.8	0.6	4.6	992.0
110°	11.8	11.3	10.2	7.3	2.9	0.6	0.6	3.3	995.3
115°	9.0	8.5	7.3	4.7	1.4	0.7	0.7	2.3	997.6
120°	6.6	6.1	4.9	2.7	0.8	0.7	0.7	1.5	999.1
125°	4.4	4.0	2.9	1.3	0.7	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

## Lichttechnischer Prüfbefund

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UGR-Tabelle		Standardraum									
Raumabmessungen		Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)				
x	y										
2H	2H	20,6	22,2	21,0	22,5	22,9	22,5	24,1	22,8	24,4	24,7
	3H	21,8	23,2	22,1	23,6	23,9	23,5	25,0	23,9	25,3	25,6
	4H	22,5	23,8	22,8	24,2	24,6	23,8	25,2	24,2	25,6	25,9
	6H	23,2	24,5	23,6	24,9	25,3	24,1	25,4	24,5	25,7	26,1
	8H	23,6	24,8	24,0	25,2	25,6	24,2	25,4	24,6	25,8	26,2
	12H	24,0	25,1	24,4	25,5	25,9	24,3	25,4	24,7	25,8	26,2
4H	2H	21,4	22,8	21,8	23,2	23,5	22,9	24,3	23,3	24,7	25,0
	3H	22,8	24,0	23,2	24,4	24,8	24,2	25,4	24,6	25,8	26,2
	4H	23,6	24,7	24,0	25,1	25,5	24,7	25,8	25,1	26,2	26,6
	6H	24,5	25,4	25,0	25,9	26,3	25,0	26,0	25,5	26,4	26,9
	8H	25,0	25,8	25,4	26,3	26,7	25,2	26,0	25,6	26,5	26,9
	12H	25,5	26,2	25,9	26,7	27,2	25,3	26,0	25,8	26,5	27,0
8H	4H	24,0	24,9	24,5	25,3	25,8	25,0	25,8	25,4	26,3	26,7
	6H	25,1	25,8	25,6	26,3	26,8	25,5	26,2	26,0	26,7	27,2
	8H	25,7	26,3	26,2	26,8	27,3	25,7	26,3	26,2	26,8	27,3
	12H	26,3	26,9	26,8	27,4	27,9	25,9	26,4	26,4	26,9	27,4
12H	4H	24,1	24,8	24,6	25,3	25,8	25,0	25,8	25,5	26,2	26,7
	6H	25,2	25,8	25,7	26,3	26,8	25,6	26,2	26,1	26,7	27,2
	8H	25,9	26,4	26,4	26,9	27,4	25,9	26,4	26,4	26,9	27,4

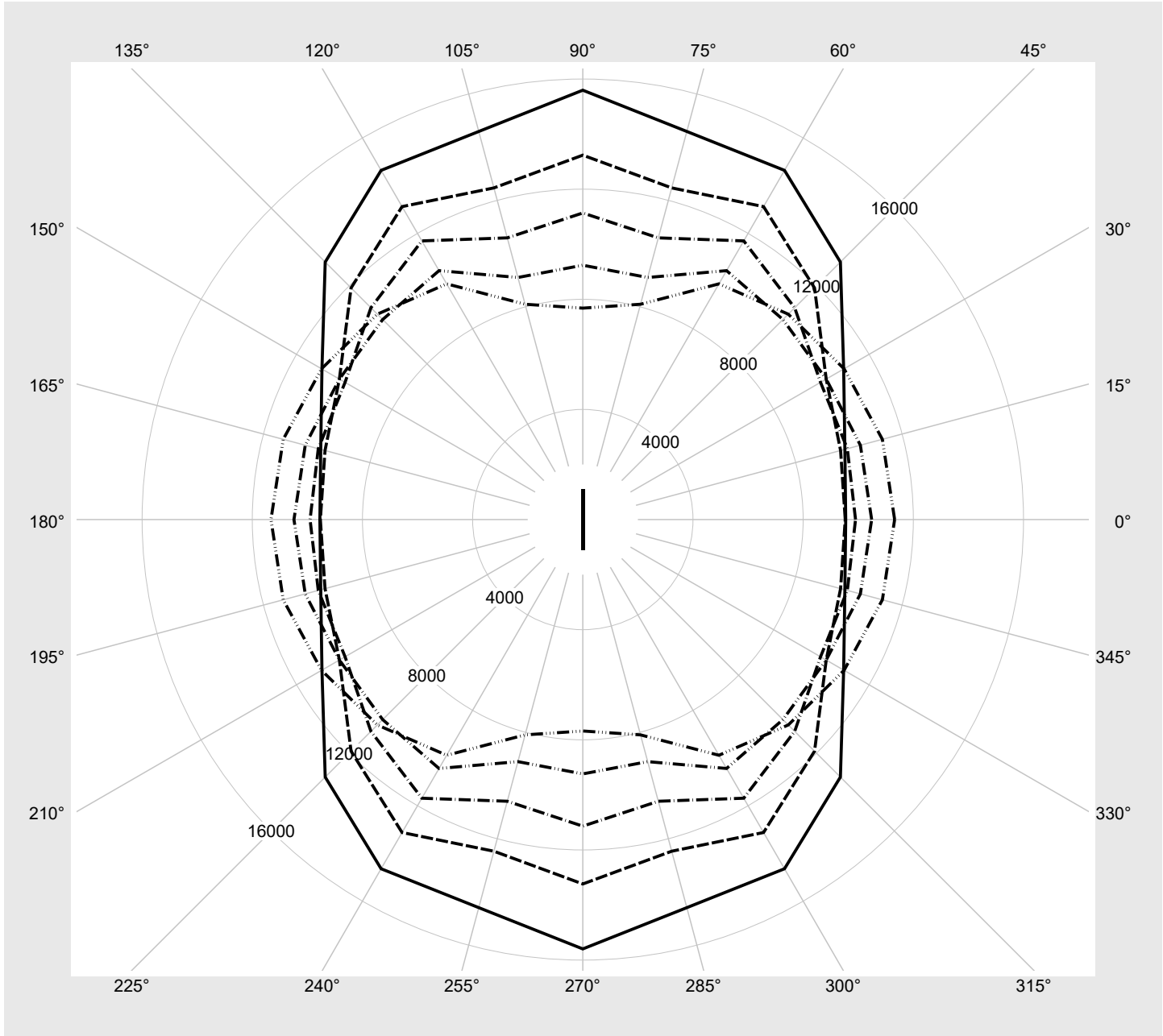
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480, B = 78	H(C0) = 13, H(C90) = 0	H(C180) = 13, H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°	45°	15464.0	16276.2	18641.5	22258.6	24735.8	23871.1	23203.3	
50°	50°	13187.2	13835.8	15740.3	18848.1	21668.8	22217.1	22158.3	
55°	55°	11423.8	12011.5	13812.5	16457.0	18819.2	19749.1	20514.4	
60°	60°	10149.4	10603.7	12161.9	14730.2	16478.4	17051.8	18187.6	
65°	65°	9545.4	9850.7	10935.7	13226.4	14645.5	14593.0	15594.5	
70°	70°	9528.5	9689.4	10205.0	11898.2	13124.8	12471.2	13235.5	
75°	75°	9902.0	9943.2	9967.0	10878.9	11686.9	10592.4	11135.6	
80°	80°	10487.4	10432.9	10204.6	10275.5	10439.2	9102.8	9237.8	
85°	85°	11321.5	11260.2	10953.1	10549.9	9885.2	8096.2	7679.3	

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**Leuchtdichten in cd/m²**       $\gamma$  65°     $\gamma$  70°     $\gamma$  75°     $\gamma$  80°     $\gamma$  85°



## Lichttechnischer Prüfbefund

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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	8470	60.0
95	240	252	8032	56.9
90	227	250	7630	53.9
85	213	248	7187	50.9
80	200	245	6773	48.0
75	187	243	6356	45.2
70	174	240	5915	42.3
65	161	237	5492	39.5
60	148	234	5068	36.7
55	136	231	4673	34.2
50	123	227	4241	31.4
45	110	223	3807	28.7
40	98	219	3403	26.2
35	85	214	2963	23.5
30	73	208	2550	20.9
25	60	201	2102	18.2
20	48	193	1681	15.7
15	36	182	1259	13.3
10	24	168	833	10.8
5	12	142	407	8.4
2	5	110	163	7.0