

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 21 Protected**

**Bestell-Nr.: 52TP11DN4AXS**  
**EAN: 4058352903728**

**LP-Nummer**  
**58525\_150**



**Ausführung** Prismenabdeckung, satiniert, eng strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI

**Bemessungswerte**  
Nettolichtstrom = 10000 lm  
Systemleistung = 55.1 W  
Lichtausbeute = 181.5 lm/W

**Seriendokumentation**  
**03.08.2023**

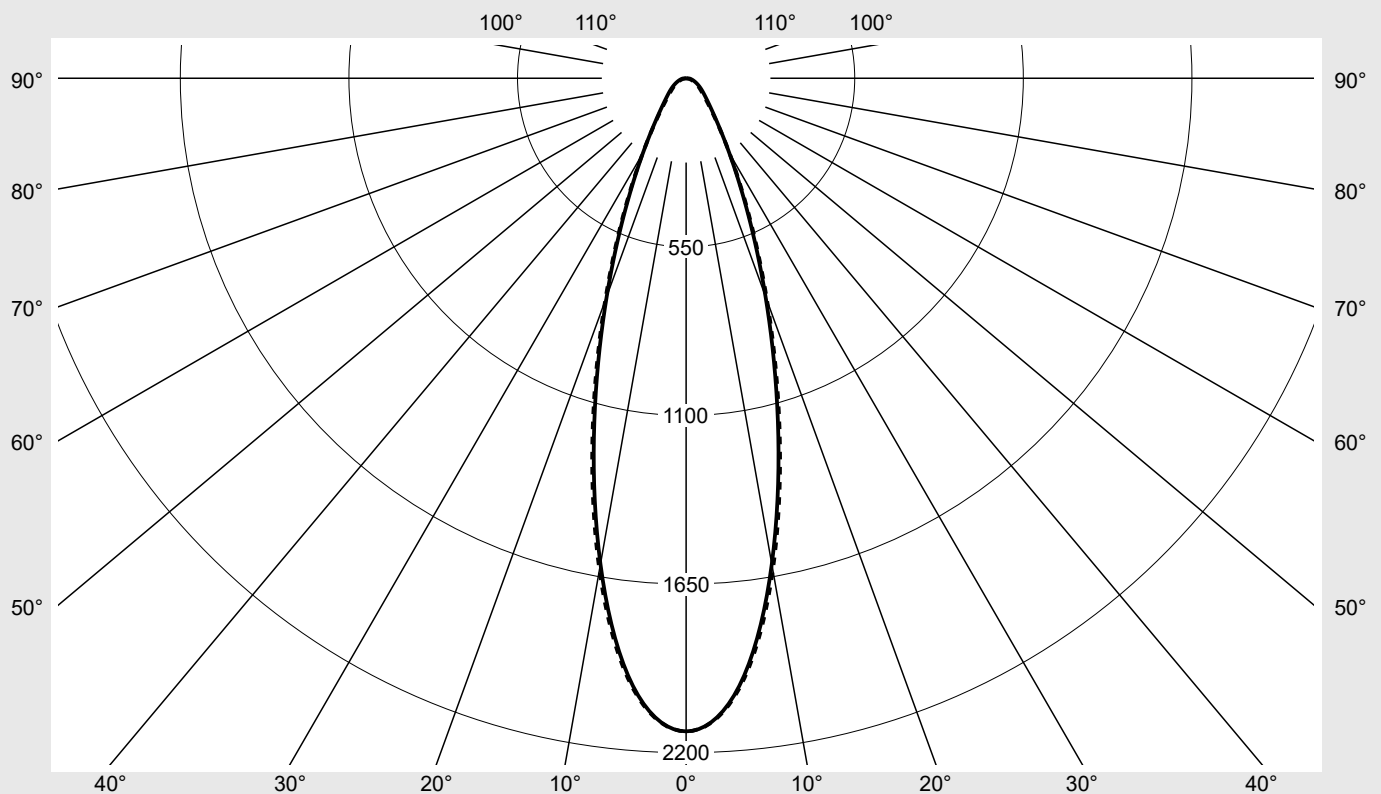
**sitEco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 2130 cd/klm**



**Klassifizierungen**

DIN 5040 A 7 1  
CIE N1=84 N2=94 N3=98  
N4=99 N5=100

**Leuchtenbetriebswirkungsgrade**

$\eta_{LB}$  100,0%  
 $\phi_u$  99,1%  
 $\phi_o$  0,9%

**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°			
γ		Lichtstärke in cd/klm						Lichtstrom in lm/klm	
0°	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	2130.5	12.7	12.7
5°	1990.0	1982.4	1972.8	1980.9	1991.5	1994.0	1997.3	94.9	107.6
10°	1609.4	1602.7	1594.9	1604.0	1616.7	1623.6	1628.9	153.3	260.9
15°	1156.5	1152.7	1146.1	1151.7	1161.7	1170.4	1176.7	164.3	425.2
20°	757.1	754.5	751.0	754.8	760.5	766.7	772.3	142.2	567.4
25°	464.1	463.3	461.4	464.7	468.5	471.4	475.4	108.1	675.5
30°	281.8	280.0	276.3	277.8	280.6	282.2	284.6	76.7	752.2
35°	178.8	175.8	169.5	168.1	169.9	172.0	174.0	54.1	806.3
40°	123.8	119.7	111.6	107.8	108.9	112.2	115.0	39.9	846.2
45°	92.5	87.9	79.0	74.1	74.5	78.8	82.8	31.1	877.3
50°	72.9	68.3	60.1	54.9	54.7	59.1	63.7	25.6	902.9
55°	58.5	54.5	47.8	42.9	42.0	45.8	50.2	21.5	924.4
60°	46.6	43.5	38.6	34.6	32.9	35.6	39.1	18.0	942.5
65°	36.7	34.5	31.1	28.0	26.1	27.3	29.5	14.9	957.4
70°	28.5	27.0	24.6	22.5	20.4	20.1	21.2	12.0	969.4
75°	21.8	20.7	19.0	17.5	15.4	14.0	14.0	9.2	978.6
80°	16.2	15.4	14.3	12.9	10.9	8.9	8.1	6.7	985.3
85°	11.7	11.2	10.3	9.1	7.1	4.7	3.5	4.6	989.8
90°	8.1	7.7	6.9	5.8	3.9	1.7	0.3	2.8	992.6
95°	6.9	6.6	5.8	4.7	3.0	1.1	0.2	2.3	994.8
100°	6.0	5.6	4.9	3.8	2.2	0.6	0.2	1.8	996.7
105°	5.1	4.8	4.0	2.9	1.5	0.3	0.2	1.4	998.1
110°	4.3	4.0	3.2	2.2	0.9	0.2	0.2	1.1	999.2
115°	3.6	3.2	2.5	1.6	0.5	0.3	0.3	0.8	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	16,1	17,3	16,4	17,6	17,9	15,7	16,9	16,0	17,2	17,5
	3H	17,1	18,2	17,5	18,5	18,9	16,6	17,7	17,0	18,0	18,4
	4H	17,6	18,6	18,0	19,0	19,4	17,0	18,0	17,4	18,3	18,7
	6H	18,1	19,0	18,5	19,4	19,8	17,3	18,2	17,7	18,5	18,9
	8H	18,4	19,2	18,9	19,6	20,0	17,5	18,2	17,9	18,6	19,0
	12H	18,6	19,3	19,1	19,7	20,1	17,5	18,2	17,9	18,6	19,0
4H	2H	16,3	17,3	16,7	17,7	18,0	16,0	17,0	16,4	17,3	17,7
	3H	17,6	18,4	18,0	18,8	19,2	17,1	17,9	17,5	18,3	18,7
	4H	18,2	19,0	18,7	19,4	19,8	17,6	18,3	18,0	18,7	19,2
	6H	18,8	19,5	19,3	19,9	20,4	18,0	18,6	18,4	19,0	19,5
	8H	19,2	19,7	19,6	20,2	20,6	18,1	18,7	18,6	19,1	19,6
	12H	19,5	19,9	19,9	20,4	20,9	18,2	18,7	18,7	19,1	19,6
8H	4H	18,4	19,0	18,9	19,4	19,9	17,8	18,4	18,3	18,8	19,3
	6H	19,2	19,6	19,7	20,1	20,6	18,3	18,8	18,8	19,3	19,8
	8H	19,5	20,0	20,1	20,4	21,0	18,5	18,9	19,0	19,4	19,9
	12H	20,0	20,3	20,5	20,8	21,3	18,7	19,0	19,2	19,5	20,1
12H	4H	18,4	18,9	18,9	19,4	19,9	17,9	18,3	18,4	18,8	19,3
	6H	19,2	19,6	19,7	20,1	20,6	18,4	18,8	18,9	19,3	19,8
	8H	19,7	20,0	20,2	20,5	21,0	18,7	19,0	19,2	19,5	20,1

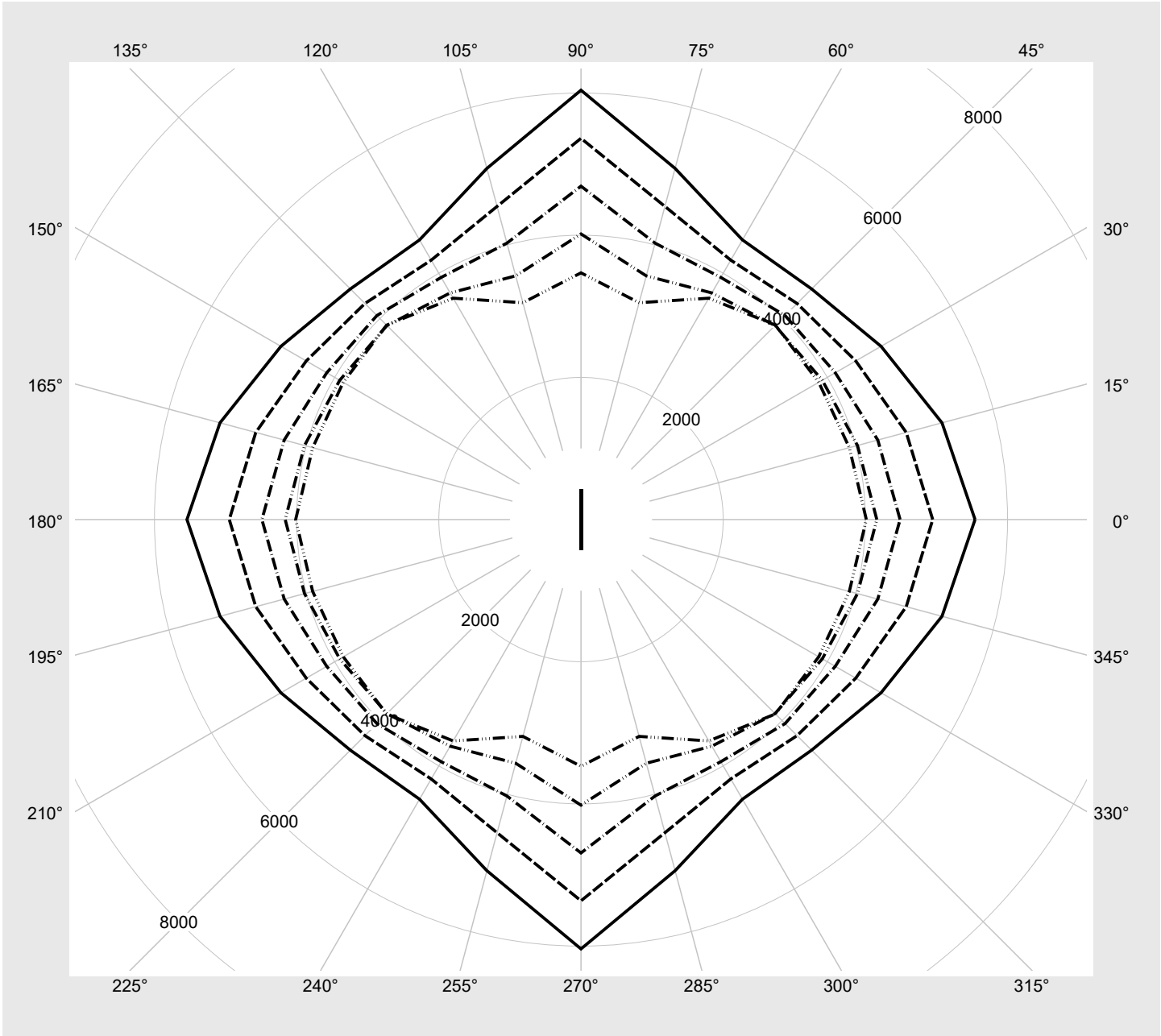
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 1480 B = 78	H(C0) = 13	H(C180) = 13	H(C90) = 0	H(C270) = 0
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C-Ebenen	$\gamma$	Leuchtdichte in cd/m <sup>2</sup>							
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	
45°		9716.1	9270.4	8459.2	8122.1	8427.6	9256.7	10137.5	
50°		8197.1	7724.5	6915.1	6491.7	6700.2	7579.3	8578.7	
55°		7140.9	6696.6	5984.4	5547.8	5664.7	6520.4	7582.9	
60°		6271.4	5898.7	5349.8	4971.7	4987.6	5742.8	6774.1	
65°		5543.0	5257.3	4873.8	4587.9	4542.5	5114.1	6039.9	
70°		4947.5	4736.2	4462.6	4298.5	4213.9	4560.7	5363.1	
75°		4488.6	4322.3	4130.1	4059.6	3933.3	4025.9	4690.1	
80°		4161.2	4026.3	3919.1	3860.5	3681.3	3549.1	4017.8	
85°		4013.6	3907.6	3861.6	3867.2	3595.9	3158.0	3470.7	

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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>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	10000	55.1
95	241	252	9512	52.5
90	227	250	8981	49.5
85	214	248	8487	46.8
80	201	245	7990	44.2
75	188	243	7491	41.4
70	175	240	6985	38.7
65	162	238	6481	35.9
60	150	235	6010	33.4
55	137	231	5500	30.8
50	124	228	4986	28.0
45	112	224	4510	25.5
40	99	219	3990	22.7
35	87	215	3511	20.1
30	74	209	2987	17.6
25	62	202	2504	15.4
20	50	194	2016	13.2
15	37	183	1488	10.3
10	25	169	996	6.6
5	13	145	502	2.5