

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 21 Recessed**

**Bestell-Nr.: 52TL1WDV4L2M**  
**EAN: 4069025081223**

**LP-Nummer**  
**59521\_13**



**Ausführung** Abdeckung satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 22780 lm  
 Systemleistung = 125.6 W  
 Lichtausbeute = 181.4 lm/W

**Seriendokumentation**  
**18.03.2024**

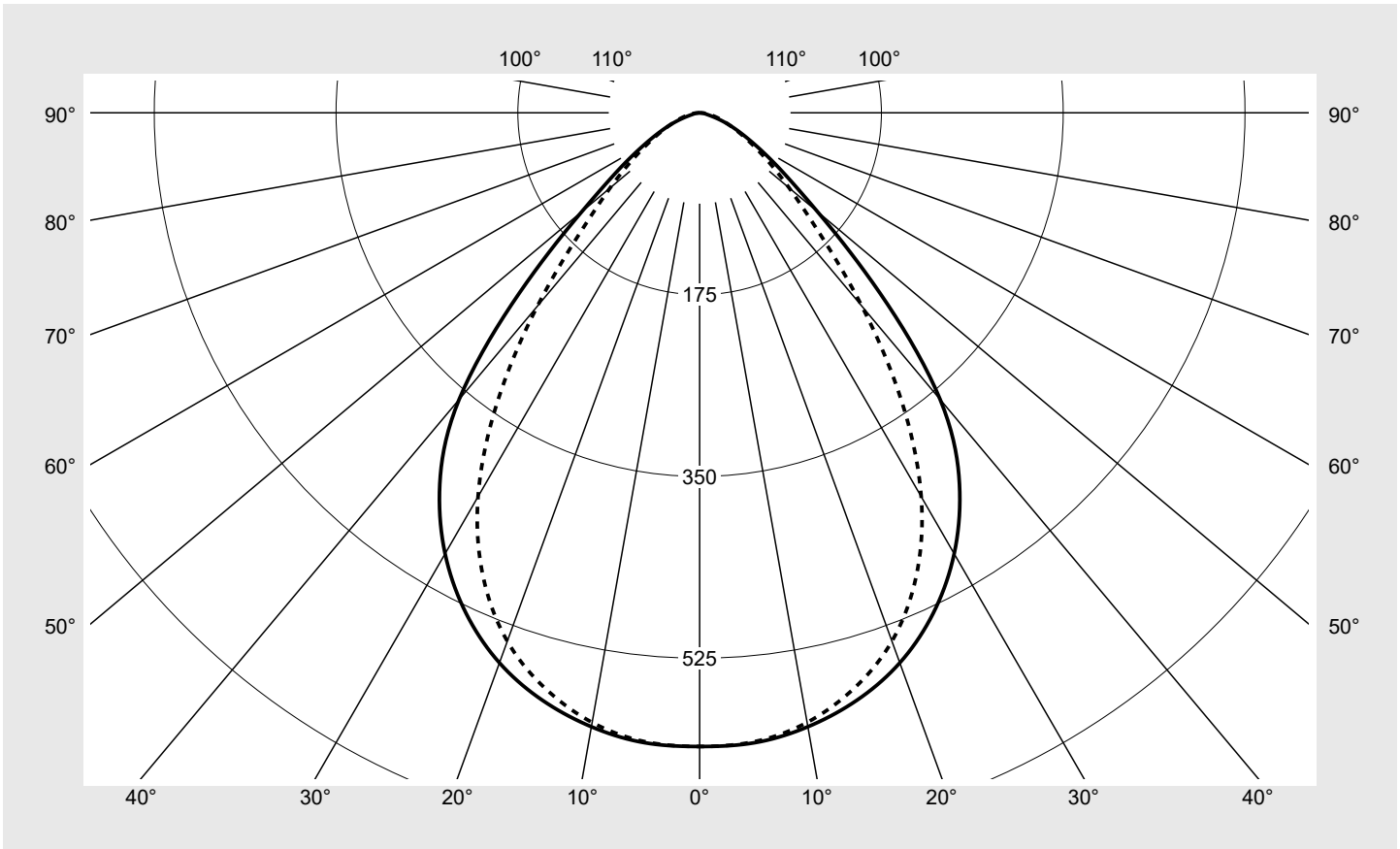
**siteco**

**Lichtstärke in cd/klm**

**C180-0**

**C270-90**

**Imax: 610 cd/klm**



**Klassifizierungen**

DIN 5040 A 5 0  
 CIE N1=73 N2=94 N3=99  
 N4=100 N5=100

**Leuchtenbetriebswirkungsgrade**

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

**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°	610.0	610.0	610.0	610.0	610.0	610.0	610.0	3.6	3.6
5°	608.6	607.6	603.5	605.7	607.8	607.2	607.6	29.0	32.6
10°	600.1	600.0	594.9	595.9	596.5	595.2	595.9	56.8	89.4
15°	585.3	585.9	578.8	577.8	576.6	573.9	573.7	82.1	171.5
20°	563.4	563.9	554.9	550.2	546.3	542.2	541.3	103.4	275.0
25°	531.8	531.9	519.6	510.4	502.3	495.0	493.0	118.6	393.5
30°	490.1	489.9	473.2	457.8	443.0	430.6	426.6	125.7	519.3
35°	436.1	434.9	413.9	389.9	365.2	345.5	339.2	122.5	641.7
40°	360.2	357.4	334.2	303.1	273.1	250.6	243.1	106.9	748.6
45°	245.6	242.6	226.1	203.9	182.4	166.8	161.9	79.2	827.8
50°	148.2	149.1	145.2	133.7	122.4	114.2	112.6	55.6	883.4
55°	94.6	95.2	94.9	92.6	85.9	79.9	79.2	40.1	923.5
60°	61.8	62.8	63.1	63.8	60.6	55.1	54.9	28.8	952.3
65°	39.8	41.1	42.4	42.8	42.4	38.1	37.8	20.3	972.6
70°	23.6	24.8	26.8	28.2	28.2	26.4	25.7	13.6	986.2
75°	10.5	11.2	13.0	16.6	16.9	18.1	17.0	7.9	994.2
80°	5.4	5.5	5.6	6.4	8.9	11.0	9.8	4.1	998.2
85°	2.7	2.8	2.9	2.9	2.8	4.7	4.7	1.8	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	23,9	25,3	24,2	25,6	25,9	22,6	24,0	23,0	24,3	24,7
	3H	24,1	25,4	24,5	25,7	26,1	23,0	24,3	23,4	24,6	25,0
	4H	24,2	25,3	24,6	25,7	26,1	23,2	24,4	23,6	24,7	25,1
	6H	24,2	25,2	24,6	25,6	26,0	23,3	24,4	23,7	24,8	25,2
	8H	24,2	25,1	24,6	25,5	25,9	23,4	24,4	23,8	24,8	25,2
	12H	24,2	25,1	24,6	25,5	25,9	23,4	24,3	23,9	24,7	25,1
4H	2H	24,0	25,2	24,4	25,5	25,9	22,9	24,0	23,3	24,4	24,8
	3H	24,4	25,3	24,8	25,7	26,1	23,4	24,4	23,9	24,8	25,2
	4H	24,4	25,3	24,8	25,7	26,1	23,7	24,5	24,1	25,0	25,4
	6H	24,4	25,1	24,9	25,6	26,0	23,9	24,6	24,4	25,1	25,5
	8H	24,4	25,1	24,9	25,5	26,0	24,0	24,6	24,4	25,1	25,6
	12H	24,4	25,0	24,9	25,4	25,9	24,0	24,6	24,5	25,1	25,6
8H	4H	24,4	25,1	24,9	25,5	26,0	23,7	24,4	24,2	24,8	25,3
	6H	24,4	25,0	24,9	25,4	26,0	24,0	24,5	24,5	25,0	25,5
	8H	24,4	24,9	24,9	25,4	25,9	24,1	24,6	24,6	25,1	25,6
	12H	24,4	24,8	25,0	25,3	25,9	24,2	24,6	24,7	25,1	25,6
12H	4H	24,4	25,0	24,9	25,5	26,0	23,7	24,3	24,2	24,8	25,3
	6H	24,4	24,9	24,9	25,4	25,9	24,0	24,4	24,5	24,9	25,5
	8H	24,4	24,8	24,9	25,3	25,9	24,1	24,5	24,6	25,0	25,5

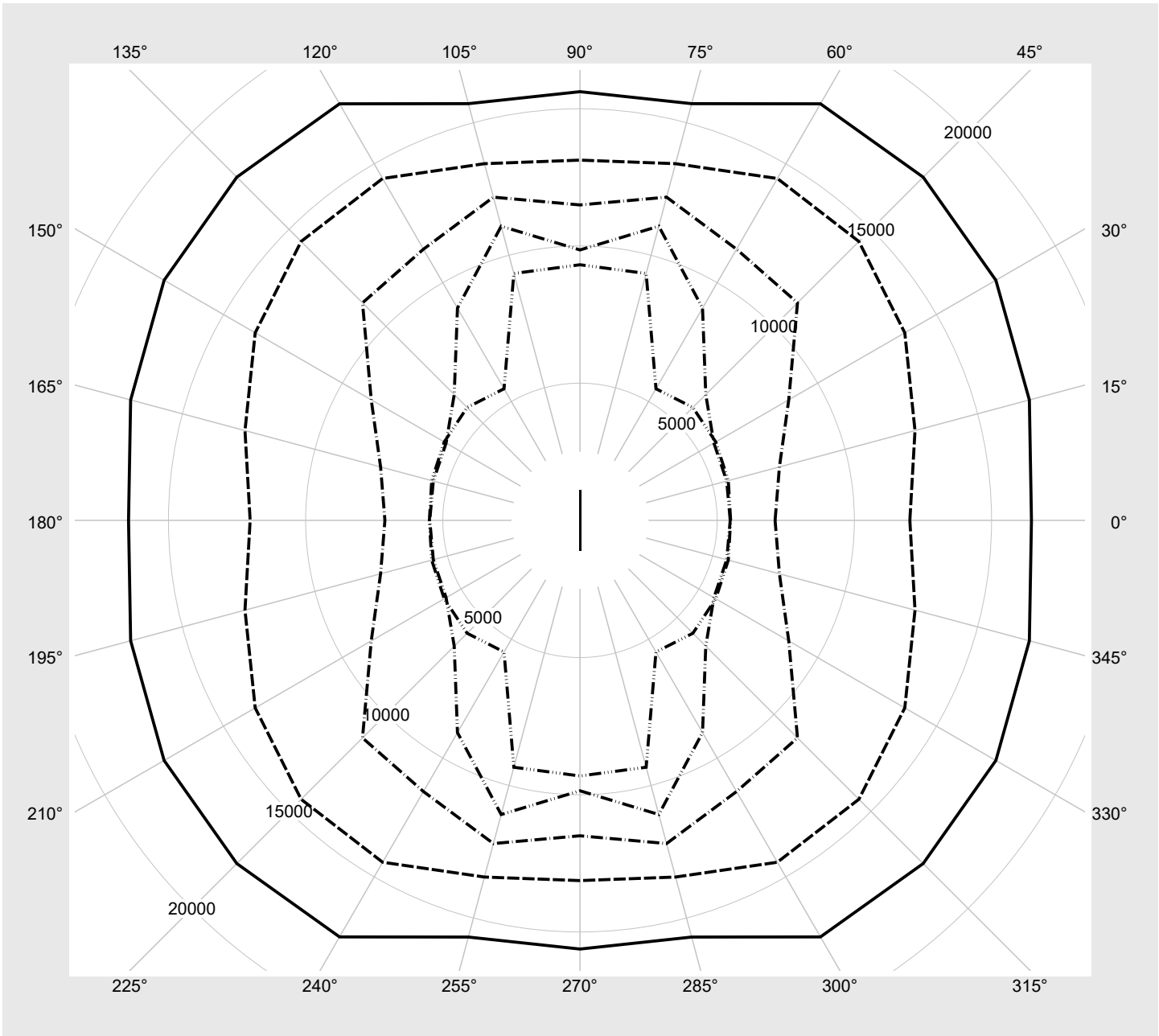
<b>Leuchtdichten-Tabelle</b> Max. für $\gamma \geq 65^\circ$	<b>Lichttechnische Abmessungen in mm:</b> L = 2250 B = 58
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C- Ebenen	$\gamma$	Leuchtdichte in $\text{cd/m}^2$						
		0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
45°		60638.0	59900.6	55809.1	50343.8	45023.1	41186.1	39962.9
50°		40233.3	40494.1	39425.4	36307.9	33237.0	31002.0	30575.6
55°		28779.1	28969.6	28889.6	28172.9	26133.9	24310.6	24102.1
60°		21563.7	21908.9	22044.1	22283.2	21142.3	19246.6	19171.5
65°		16454.8	16955.8	17502.3	17688.6	17529.1	15721.6	15622.9
70°		12022.5	12641.0	13669.4	14374.8	14386.5	13457.1	13128.4
75°		7110.7	7524.8	8785.3	11210.6	11411.6	12194.0	11495.3
80°		5475.6	5534.9	5635.4	6482.8	8931.6	11097.9	9855.4
85°		5489.8	5595.9	5714.1	5818.3	5537.9	9315.2	9315.2

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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	22780	125.6
95	240	252	21636	118.9
90	226	250	20483	112.2
85	213	248	19394	106.0
80	199	245	18212	99.1
75	186	243	17097	92.8
70	173	240	15972	86.4
65	160	237	14833	80.1
60	147	234	13684	73.8
55	134	231	12526	67.4
50	121	227	11350	61.2
45	109	223	10259	55.4
40	96	218	9068	49.1
35	84	213	7953	43.3
30	72	208	6834	37.6
25	60	201	5708	31.8
20	48	193	4569	26.0
15	36	182	3427	20.2
10	24	168	2278	14.0
5	12	142	1116	7.6
1	4	102	341	2.8