

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® 11 Recessed**

**Bestell-Nr.: 51TL1WDN4EXM**  
**EAN: 4069025078247**

**LP-Nummer**  
**59521\_27**



**Ausführung** Abdeckung satiniert, breit strahlend  
**Bestückung** LED 4000 K | CRI ≥ 80  
**Betriebsgerät** EVG-DALI  
**Bemessungswerte** Nettolichtstrom = 14170 lm  
 Systemleistung = 76.8 W  
 Lichtausbeute = 184.5 lm/W

**Seriendokumentation**  
21.03.2024

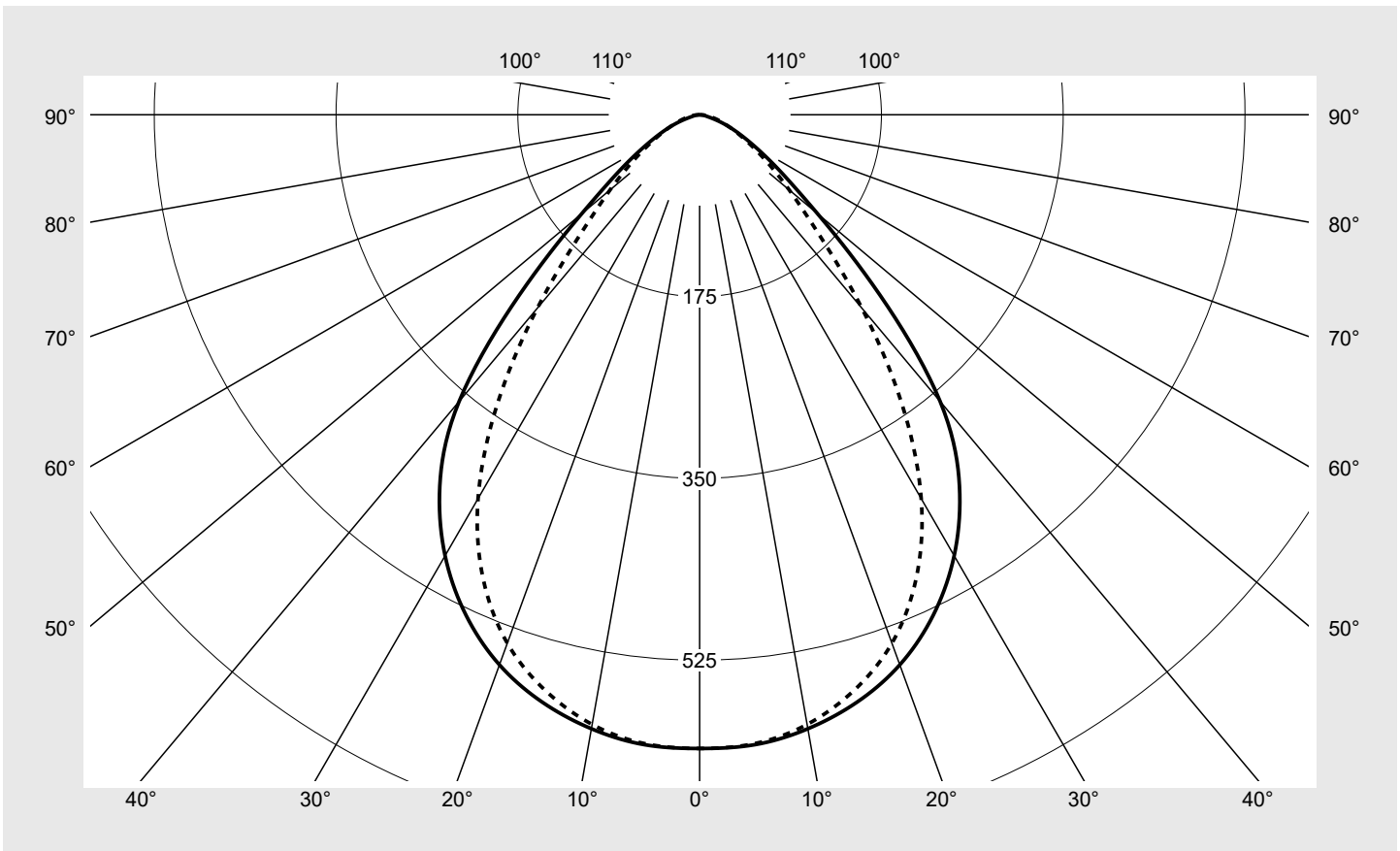
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**Lichtstärke in cd/klm**

**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>
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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									
γ								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	23,6	25,1	24,0	25,4	25,7	22,4	23,8	22,7	24,1	24,4
	3H	23,9	25,2	24,3	25,5	25,8	22,8	24,0	23,2	24,4	24,7
	4H	23,9	25,1	24,3	25,4	25,8	22,9	24,1	23,3	24,5	24,8
	6H	23,9	25,0	24,3	25,3	25,7	23,1	24,1	23,5	24,5	24,9
	8H	24,0	24,9	24,4	25,3	25,7	23,2	24,1	23,6	24,5	24,9
	12H	24,0	24,8	24,4	25,2	25,6	23,2	24,1	23,6	24,5	24,9
4H	2H	23,8	24,9	24,2	25,3	25,7	22,6	23,8	23,0	24,2	24,5
	3H	24,1	25,1	24,5	25,5	25,9	23,2	24,2	23,6	24,6	25,0
	4H	24,2	25,0	24,6	25,4	25,9	23,4	24,3	23,9	24,7	25,2
	6H	24,2	24,9	24,6	25,3	25,8	23,7	24,4	24,1	24,8	25,3
	8H	24,2	24,8	24,6	25,3	25,8	23,7	24,4	24,2	24,8	25,3
	12H	24,2	24,7	24,7	25,2	25,7	23,8	24,4	24,3	24,8	25,3
8H	4H	24,2	24,8	24,6	25,3	25,8	23,5	24,2	24,0	24,6	25,1
	6H	24,2	24,7	24,7	25,2	25,7	23,7	24,3	24,2	24,8	25,3
	8H	24,2	24,7	24,7	25,1	25,7	23,8	24,3	24,4	24,8	25,3
	12H	24,2	24,6	24,7	25,1	25,6	24,0	24,4	24,5	24,9	25,4
12H	4H	24,2	24,8	24,7	25,2	25,7	23,5	24,1	24,0	24,5	25,0
	6H	24,2	24,6	24,7	25,1	25,7	23,7	24,2	24,3	24,7	25,2
	8H	24,2	24,6	24,7	25,1	25,6	23,9	24,2	24,4	24,7	25,3

## Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

Lichttechnische Abmessungen in mm: **L = 1500**  
**B = 58**

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°	56578.6	55890.6	52073.0	46973.5	42009.0	38428.9	37287.6		
50°	37539.9	37783.2	36786.1	33877.2	31011.9	28926.6	28528.8		
55°	26852.5	27030.3	26955.6	26286.9	24384.3	22683.1	22488.6		
60°	20120.1	20442.3	20568.3	20791.5	19726.9	17958.1	17888.1		
65°	15353.2	15820.7	16330.6	16504.4	16355.6	14669.2	14577.1		
70°	11217.6	11794.8	12754.3	13412.5	13423.4	12556.2	12249.6		
75°	6634.7	7021.0	8197.2	10460.1	10647.7	11377.7	10725.7		
80°	5109.0	5164.4	5258.2	6048.8	8333.7	10355.0	9195.7		
85°	5122.3	5221.3	5331.6	5428.8	5167.1	8691.6	8691.6		

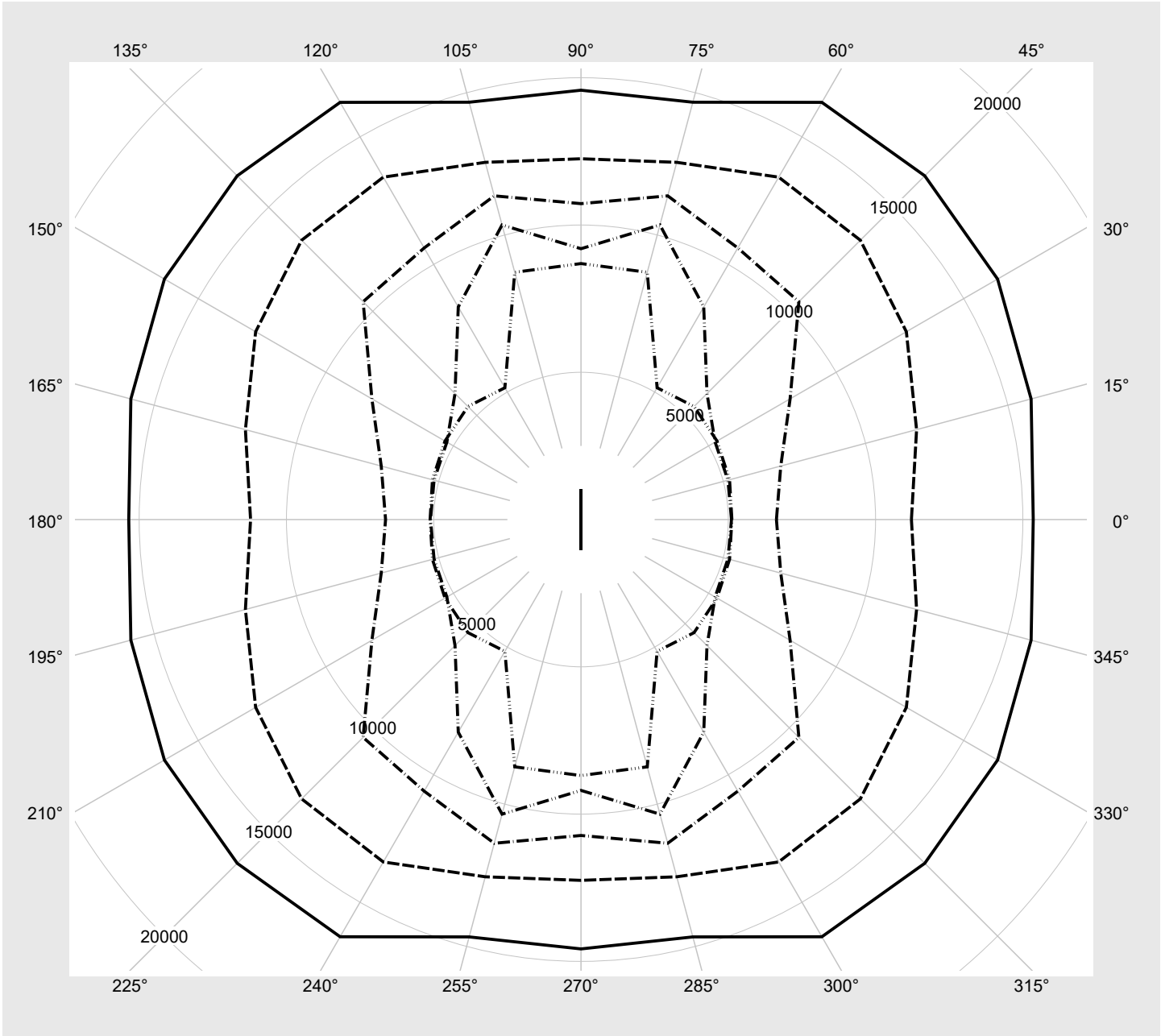
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**Leuchtdichten in cd/m<sup>2</sup>**

$\gamma$ 65°	$\gamma$ 70°	$\gamma$ 75°	$\gamma$ 80°	$\gamma$ 85°
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**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	14170	76.8
95	240	252	13445	72.6
90	227	250	12766	68.6
85	213	248	12027	64.3
80	200	245	11336	60.3
75	187	243	10640	56.5
70	174	240	9940	52.6
65	161	237	9235	48.7
60	148	234	8521	44.8
55	135	231	7805	41.0
50	122	227	7080	37.3
45	109	223	6351	33.5
40	97	219	5670	30.0
35	85	214	4984	26.6
30	72	208	4235	22.9
25	60	201	3540	19.5
20	48	193	2837	16.1
15	36	182	2132	12.6
10	24	168	1421	9.2
5	12	142	703	5.9
2	4	102	222	3.6