

## Lichttechnischer Prüfbefund

**Familie**  
**Licross® Recessed**

**Bestell-Nr.: 56TL117C4X31**  
**EAN: 4058352862568**

**LP-Nummer**  
**59462\_1**



**Ausführung** Notlichtbetrieb, symmetrisch, eng strahlend,  
Anwendung: Fläche

**Bestückung** LED 4000 K | CRI ≥ 70

**Betriebsgerät** EVG

**Bemessungswerte** Nettolichtstrom = 310 lm  
Systemleistung = 3.9 W  
Lichtausbeute = 79.5 lm/W

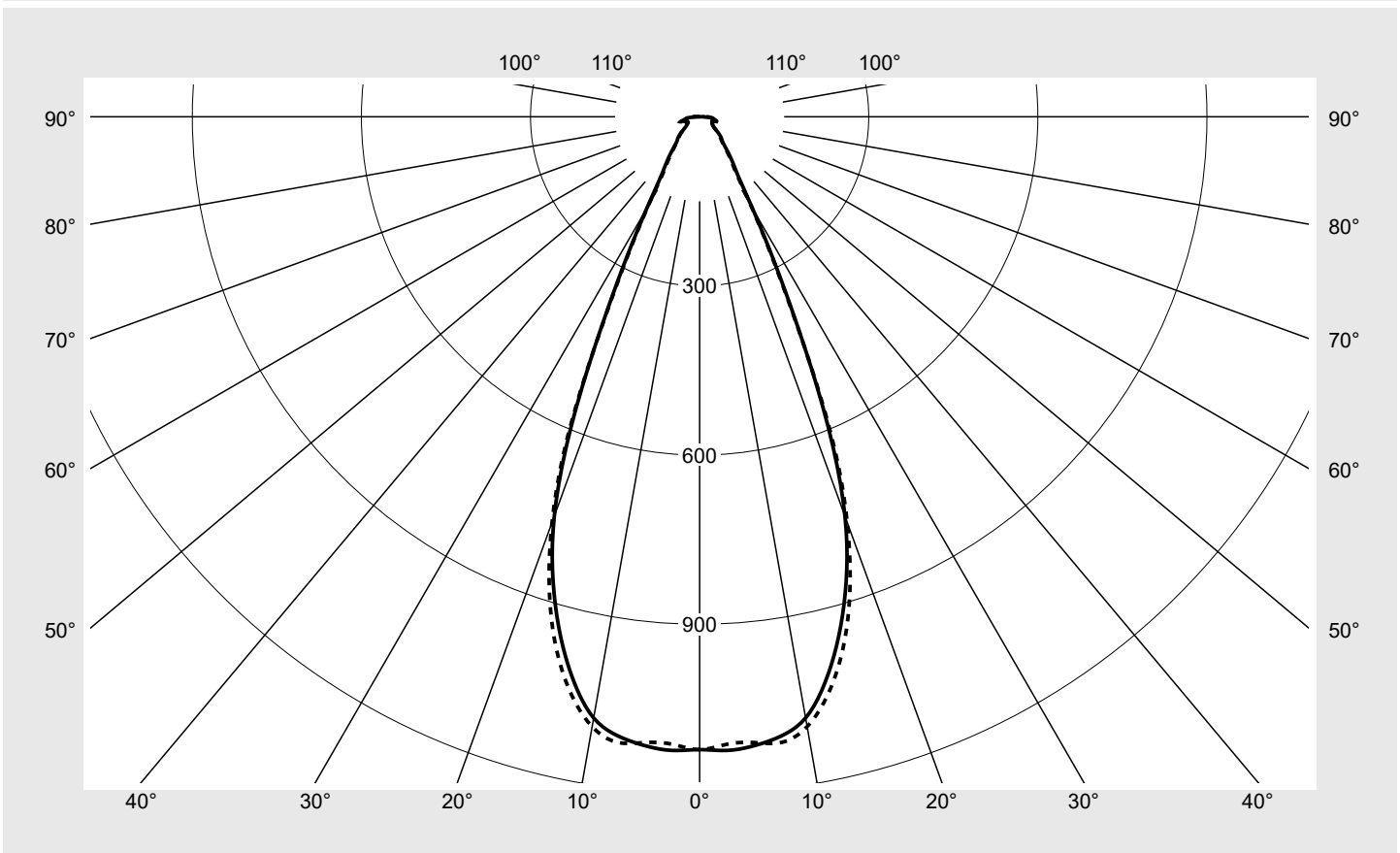
**Seriendokumentation**  
**06.07.2023**

**siteco**

**Lichtstärke in cd/klm**

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

**Imax: 1127 cd/klm**



**Klassifizierungen**

DIN 5040 A 7 0  
CIE N1=84 N2=95 N3=98  
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	Maximale Lichtstärke													
	0,0°	2,5°	5,0°	7,5°	10,0°	12,5°	15,0°	17,5°	20,0°	22,5°	25,0°	27,5°	30,0°	
γ	180,0°	177,5°	175,0°	172,5°	170,0°	167,5°	165,0°	162,5°	160,0°	157,5°	155,0°	152,5°	150,0°	
	357,5°	355,0°	352,5°	350,0°	347,5°	345,0°	342,5°	340,0°	337,5°	335,0°	332,5°	330,0°	330,0°	
	Lichtstärke in cd/klm													
0,0°	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4
2,5°	1124.9	1125.0	1125.1	1124.9	1124.5	1124.2	1124.0	1124.0	1124.1	1124.1	1124.2	1124.3	1124.3	1124.3
5,0°	1119.5	1119.4	1120.1	1121.2	1122.2	1122.9	1124.2	1126.0	1126.8	1126.6	1126.0	1125.5	1124.7	1124.7
7,5°	1107.8	1107.5	1107.8	1108.9	1109.7	1110.2	1109.9	1110.1	1110.0	1109.7	1109.9	1110.8	1111.5	1111.5
10,0°	1082.7	1082.2	1082.3	1082.5	1081.9	1080.9	1081.1	1081.7	1084.0	1086.5	1089.1	1092.5	1095.5	1095.5
12,5°	1027.8	1027.5	1027.3	1026.3	1025.6	1026.5	1029.7	1034.0	1038.9	1044.4	1050.2	1056.6	1062.2	1062.2
15,0°	953.6	953.2	953.4	954.7	957.3	962.2	967.9	975.0	982.2	989.7	997.4	1004.4	1011.1	1011.1
17,5°	864.4	865.3	867.8	871.4	876.7	883.1	891.3	900.8	910.8	921.4	932.4	944.3	955.5	955.5
20,0°	753.9	755.1	759.2	766.1	774.8	785.5	798.0	812.4	828.6	845.5	862.7	879.8	895.5	895.5
22,5°	597.0	599.2	606.0	617.3	632.8	651.5	673.3	697.5	722.5	748.0	773.6	798.2	821.5	821.5
25,0°	414.4	416.8	424.5	436.6	453.8	475.5	501.7	531.5	564.5	600.6	639.4	679.3	718.6	718.6
27,5°	277.9	280.2	287.3	299.7	317.6	340.7	368.4	399.6	433.9	470.0	507.9	546.0	583.5	583.5
30,0°	187.0	189.9	198.5	211.8	229.5	251.2	277.1	306.7	340.0	375.9	413.1	450.6	487.0	487.0
32,5°	132.8	135.9	144.1	156.5	172.4	191.6	213.8	239.2	267.8	299.2	333.2	367.4	400.2	400.2
35,0°	107.2	108.2	112.2	119.9	131.4	146.6	164.9	185.2	208.0	233.5	260.7	289.7	319.6	319.6
37,5°	88.8	89.5	91.6	95.2	101.1	110.6	123.5	139.3	157.7	179.4	204.4	232.2	261.6	261.6
40,0°	72.0	72.8	74.7	77.1	80.1	85.0	93.5	105.8	121.4	139.8	161.1	185.4	211.8	211.8
42,5°	60.3	61.3	63.0	64.7	66.6	69.1	73.4	81.1	92.6	107.2	124.4	144.7	167.4	167.4
45,0°	55.1	55.7	56.7	57.7	58.8	60.3	62.6	66.4	73.4	84.1	97.6	113.6	132.4	132.4
47,5°	48.9	49.3	49.8	50.3	50.9	51.7	53.0	54.9	58.5	65.1	74.9	87.2	102.1	102.1
50,0°	41.1	41.9	42.4	42.6	43.0	43.7	44.6	45.8	47.6	51.1	57.7	66.8	77.9	77.9
52,5°	33.9	34.4	35.3	35.7	36.0	36.6	37.3	38.0	39.1	40.9	44.5	50.5	58.6	58.6
55,0°	29.7	29.7	30.3	31.0	31.4	31.8	32.4	32.9	33.5	34.4	36.1	39.4	44.7	44.7
57,5°	27.1	26.8	27.0	27.8	28.5	28.8	29.3	29.7	29.9	30.5	31.4	33.0	36.5	36.5
60,0°	25.5	25.2	25.0	25.6	26.3	26.5	26.6	26.8	27.0	27.3	27.7	28.4	30.3	30.3
62,5°	24.8	24.5	24.1	24.0	24.1	24.1	23.9	24.0	24.1	24.3	24.7	25.1	26.1	26.1
65,0°	25.6	25.3	24.6	23.8	23.0	22.2	21.6	21.3	21.3	21.4	21.6	22.0	22.7	22.7
67,5°	24.4	24.2	23.6	22.8	22.0	21.1	20.3	19.8	19.8	20.0	20.0	20.0	20.4	20.4
70,0°	23.3	23.1	22.4	21.4	20.5	19.5	18.8	18.5	19.0	19.7	19.6	19.2	19.1	19.1
72,5°	25.2	24.4	22.0	19.9	18.5	17.4	16.9	17.0	17.7	18.0	18.0	17.7	17.9	17.9
75,0°	30.7	28.9	22.5	17.9	15.6	14.4	14.1	14.3	15.0	15.5	15.7	16.4	16.8	16.8
77,5°	29.6	26.7	20.8	15.3	12.1	10.7	10.6	11.1	12.2	14.0	15.1	15.7	15.9	15.9
80,0°	26.7	24.4	18.4	12.8	9.5	7.9	7.7	8.5	10.2	12.1	13.3	13.5	13.6	13.6
82,5°	24.5	21.6	16.3	11.0	7.8	6.3	6.2	7.2	8.5	9.8	10.8	11.6	11.9	11.9
85,0°	20.9	19.3	14.7	9.9	6.8	5.2	5.1	5.7	6.7	7.9	9.1	10.5	11.2	11.2
87,5°	8.4	7.8	6.3	4.4	3.0	2.4	2.3	2.7	3.2	4.1	5.0	5.8	5.8	5.8
90,0°	7.2	6.8	5.5	3.9	2.4	1.5	1.1	1.1	1.3	1.8	2.4	2.6	2.4	2.4
92,5°	1.4	1.3	1.1	0.7	0.4	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1
95,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	32,5°	35,0°	37,5°	40,0°	42,5°	45,0°	47,5°	50,0°	52,5°	55,0°	57,5°	60,0°	62,5°
	147,5°	145,0°	142,5°	140,0°	137,5°	135,0°	132,5°	130,0°	127,5°	125,0°	122,5°	120,0°	117,5°
	212,5°	215,0°	217,5°	220,0°	222,5°	225,0°	227,5°	230,0°	232,5°	235,0°	237,5°	240,0°	242,5°
	327,5°	325,0°	322,5°	320,0°	317,5°	315,0°	312,5°	310,0°	307,5°	305,0°	302,5°	300,0°	297,5°
γ	Lichtstärke in cd/klm												
0,0°	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4
2,5°	1124.4	1124.3	1124.2	1124.1	1124.0	1123.9	1123.8	1123.7	1123.1	1122.5	1121.9	1121.3	1120.7
5,0°	1123.9	1123.1	1122.8	1122.3	1121.7	1121.3	1120.6	1120.6	1120.6	1120.6	1120.4	1119.9	1119.3
7,5°	1112.3	1112.5	1112.3	1112.2	1112.8	1113.6	1114.6	1115.1	1115.5	1115.8	1116.3	1116.9	1117.6
10,0°	1098.1	1099.9	1100.7	1101.6	1102.5	1103.2	1103.7	1103.4	1103.1	1102.4	1101.5	1100.1	1098.8
12,5°	1066.7	1070.5	1073.5	1076.4	1077.9	1078.7	1079.0	1078.0	1075.5	1072.0	1067.6	1063.8	1060.3
15,0°	1016.6	1022.9	1029.4	1034.6	1038.5	1041.4	1042.4	1041.6	1037.6	1032.3	1025.9	1018.8	1011.8
17,5°	965.0	974.5	983.2	990.6	995.8	998.2	997.6	995.1	989.9	982.3	973.5	963.2	952.0
20,0°	910.4	923.6	934.5	943.0	948.4	951.2	950.2	945.8	937.8	926.3	911.7	895.6	878.8
22,5°	843.4	863.0	879.3	891.9	898.9	900.5	897.8	890.5	877.5	860.1	839.0	815.6	791.0
25,0°	754.5	784.3	808.2	825.0	835.2	837.8	832.9	822.2	803.2	776.2	743.2	706.4	669.6
27,5°	620.7	657.7	692.4	721.8	740.5	745.3	737.8	720.0	694.9	662.9	625.1	584.5	543.2
30,0°	522.3	554.3	578.4	594.5	603.4	606.3	604.7	595.6	578.1	552.9	520.1	483.6	445.6
32,5°	430.1	456.3	478.0	493.5	502.6	505.4	502.6	493.5	478.7	457.4	429.1	397.0	363.8
35,0°	350.0	378.8	402.7	421.0	431.6	436.0	432.5	421.1	403.1	378.5	348.8	318.3	288.8
37,5°	291.0	319.7	343.4	361.0	371.7	375.5	371.2	358.9	340.3	315.6	286.2	256.2	227.8
40,0°	239.5	266.2	288.5	305.5	315.6	318.8	314.5	302.1	283.8	259.9	232.5	205.0	179.7
42,5°	191.8	216.2	237.2	252.4	262.0	265.0	260.4	248.8	231.7	210.2	186.0	162.2	140.7
45,0°	153.1	173.9	191.6	204.2	212.1	214.3	210.0	200.0	184.7	166.2	146.0	126.8	109.3
47,5°	119.3	136.6	151.7	162.7	169.1	170.8	167.4	158.7	145.8	130.7	114.5	98.8	84.8
50,0°	90.6	104.0	116.4	126.1	131.7	133.1	130.7	123.7	113.3	101.4	88.8	76.4	65.7
52,5°	67.5	76.8	86.0	93.7	98.3	99.3	97.8	92.9	85.1	76.4	67.2	58.2	50.7
55,0°	50.6	56.4	62.4	68.0	71.4	72.4	71.4	68.0	62.9	57.1	50.9	44.7	39.9
57,5°	40.8	44.5	48.1	51.6	54.0	54.6	53.8	51.7	48.4	44.4	40.2	36.0	33.1
60,0°	33.4	36.3	38.8	41.3	42.8	43.0	42.4	41.0	38.9	36.2	33.1	30.3	28.6
62,5°	28.3	30.8	32.7	34.2	35.2	35.3	34.7	33.5	32.1	30.2	28.0	26.1	25.2
65,0°	24.0	25.9	27.5	28.8	29.6	29.7	29.1	28.1	26.9	25.4	24.0	22.9	22.4
67,5°	21.2	22.5	24.0	25.2	26.0	26.1	25.5	24.5	23.4	22.3	21.3	20.8	20.7
70,0°	19.7	20.6	21.7	22.7	23.3	23.3	22.8	22.0	20.9	19.9	19.3	19.0	19.3
72,5°	18.6	19.4	19.9	20.1	20.1	19.9	19.6	19.3	18.7	18.2	17.7	17.3	17.4
75,0°	16.9	17.0	16.9	16.8	16.6	16.5	16.5	16.5	16.7	16.9	16.9	16.8	16.6
77,5°	15.2	14.5	13.8	13.5	13.3	13.4	13.5	13.8	14.2	14.8	15.6	16.1	15.8
80,0°	13.3	12.0	11.3	13.3	12.2	10.5	11.9	13.6	12.5	12.9	14.1	14.5	14.1
82,5°	11.8	12.0	12.4	15.7	12.1	8.1	11.3	16.0	12.8	12.2	13.0	13.2	12.6
85,0°	11.3	11.2	13.5	14.5	9.3	6.5	9.0	15.4	14.0	12.0	11.9	12.3	11.7
87,5°	5.1	7.7	9.5	7.4	4.4	3.6	4.2	7.6	9.0	7.8	7.4	7.9	7.7
90,0°	2.4	2.8	4.0	2.8	0.8	0.8	0.9	1.8	2.8	2.4	2.3	2.4	2.3
92,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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<b>Wertetabelle Lichtstärkemessung</b>	<b>Maximale Lichtstärke</b>	<b>siteco</b>
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C- Ebenen	65,0°	67,5°	70,0°	72,5°	75,0°	77,5°	80,0°	82,5°	85,0°	87,5°	90,0°	Phi-Zone	Summe Phi-Zone
	115,0°	112,5°	110,0°	107,5°	105,0°	102,5°	100,0°	97,5°	95,0°	92,5°			
	245,0°	247,5°	250,0°	252,5°	255,0°	257,5°	260,0°	262,5°	265,0°	267,5°	270,0°		
	295,0°	292,5°	290,0°	287,5°	285,0°	282,5°	280,0°	277,5°	275,0°	272,5°			
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0,0°	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1122.4	1.7	1.7
2,5°	1119.9	1119.0	1118.2	1117.5	1116.8	1116.1	1115.4	1114.7	1114.3	1114.1	1113.9	13.4	15.1
5,0°	1118.9	1118.0	1116.6	1116.0	1115.4	1115.2	1114.9	1114.4	1114.6	1114.3	1114.1	26.8	41.9
7,5°	1118.2	1118.9	1119.6	1119.9	1119.9	1120.1	1119.8	1118.5	1118.6	1118.4	1119.1	39.9	81.7
10,0°	1097.9	1097.2	1096.9	1097.6	1098.7	1099.7	1100.0	1100.2	1099.4	1098.5	1098.4	52.1	133.8
12,5°	1057.3	1055.2	1053.8	1052.8	1052.7	1052.5	1053.7	1052.7	1051.9	1050.6	1050.1	62.6	196.4
15,0°	1005.6	999.7	994.9	991.1	987.1	985.8	983.9	982.8	981.2	980.1	979.8	70.9	267.3
17,5°	941.2	930.8	921.6	913.0	905.6	899.0	893.1	889.7	887.4	886.6	886.1	76.8	344.1
20,0°	862.0	845.6	830.6	816.2	802.9	791.5	781.7	773.8	769.1	766.2	765.5	79.7	423.8
22,5°	765.5	739.9	715.0	691.1	670.0	651.4	636.2	624.1	616.0	610.5	608.9	78.4	502.2
25,0°	633.7	598.5	564.1	531.8	502.0	476.1	454.0	435.8	421.9	413.3	411.0	71.1	573.3
27,5°	504.0	466.0	429.0	395.3	364.6	338.1	315.1	296.6	282.9	274.4	272.2	61.6	634.9
30,0°	408.5	372.2	336.6	304.3	274.7	248.4	225.7	207.3	193.5	184.7	182.2	53.0	687.9
32,5°	330.7	298.0	266.4	237.5	211.2	188.0	168.1	151.7	138.3	129.2	125.8	45.7	733.5
35,0°	260.0	232.3	206.3	182.5	161.2	142.9	127.3	115.0	106.5	102.2	101.1	39.4	773.0
37,5°	201.4	177.3	155.8	136.9	120.7	107.5	97.4	90.6	86.5	84.2	83.5	34.1	807.0
40,0°	156.7	135.9	117.8	102.6	90.7	82.2	77.1	73.9	71.4	69.6	68.9	29.2	836.3
42,5°	121.5	104.7	90.5	79.2	71.3	66.4	63.6	61.8	60.1	58.4	57.7	24.8	861.0
45,0°	94.2	81.4	71.1	63.8	59.4	56.8	55.3	54.2	53.4	52.8	52.6	21.0	882.1
47,5°	73.3	64.0	57.3	53.2	50.7	49.1	48.2	47.5	47.1	46.9	46.9	17.6	899.7
50,0°	57.4	51.3	47.4	45.0	43.2	42.1	41.5	41.0	40.9	40.8	40.7	14.6	914.3
52,5°	45.3	41.8	39.7	38.1	36.9	36.0	35.4	34.9	34.7	34.3	33.9	11.8	926.1
55,0°	36.9	35.3	34.2	33.4	32.7	32.1	31.4	31.0	30.6	30.3	30.2	9.6	935.7
57,5°	31.7	31.0	30.4	29.9	29.4	28.8	28.3	27.8	27.3	27.3	27.5	8.2	943.9
60,0°	27.9	27.5	27.3	27.0	26.6	26.2	25.9	25.3	25.0	25.2	25.4	7.2	951.1
62,5°	24.7	24.4	24.2	24.1	24.0	23.9	23.7	23.4	23.1	23.1	23.2	6.5	957.6
65,0°	22.1	21.9	21.8	21.7	21.9	22.4	23.1	23.7	24.3	24.9	25.2	6.0	963.6
67,5°	20.7	20.6	20.1	19.9	20.3	21.1	21.8	22.3	22.7	22.8	22.8	5.6	969.2
70,0°	19.7	19.5	18.7	18.1	18.4	19.2	19.8	20.1	20.4	20.7	20.9	5.2	974.4
72,5°	17.7	17.6	17.0	16.4	16.5	17.0	17.8	19.0	20.6	21.9	22.1	4.9	979.3
75,0°	16.1	15.5	14.8	14.1	13.9	14.2	15.1	17.5	23.7	31.3	34.9	4.7	984.0
77,5°	15.0	13.6	12.0	10.8	10.3	10.4	11.6	15.0	20.9	27.6	30.5	4.1	988.1
80,0°	13.2	11.7	9.8	8.0	7.2	7.5	9.0	12.6	18.1	23.4	26.0	3.5	991.5
82,5°	11.4	9.9	8.2	6.7	5.8	6.1	7.9	11.4	16.2	21.1	23.2	3.2	994.7
85,0°	10.0	8.2	6.6	5.5	4.8	5.2	7.1	10.5	14.5	18.4	20.6	2.9	997.6
87,5°	6.5	5.1	4.0	3.4	3.2	3.9	5.9	9.1	12.5	15.8	17.5	1.7	999.3
90,0°	1.7	1.1	0.8	0.6	0.6	0.7	1.3	2.3	4.0	5.7	12.9	0.7	1000.0
92,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0
97,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0
102,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0
107,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Licross® Recessed</b>	<b>Bestell-Nr.: 56TL117C4X31</b> <b>EAN: 4058352862568</b>	<b>LP-Nummer</b> <b>59462_1</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	Maximale Lichtstärke												
	0,0°	2,5°	5,0°	7,5°	10,0°	12,5°	15,0°	17,5°	20,0°	22,5°	25,0°	27,5°	30,0°
180,0°	180,0°	177,5°	175,0°	172,5°	170,0°	167,5°	165,0°	162,5°	160,0°	157,5°	155,0°	152,5°	150,0°
	357,5°	355,0°	352,5°	350,0°	347,5°	345,0°	342,5°	340,0°	337,5°	335,0°	332,5°	330,0°	330,0°
γ	Lichtstärke in cd/klm												
112,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
115,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
117,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
120,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
122,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
125,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
127,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
130,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
132,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
135,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
137,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
140,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
142,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
145,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
147,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
150,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
152,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
155,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
157,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
160,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
162,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
165,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
167,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
170,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
172,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
175,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
177,5°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
180,0°	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Licross® Recessed</b>	<b>Bestell-Nr.: 56TL117C4X31</b> <b>EAN: 4058352862568</b>	<b>LP-Nummer</b> <b>59462_1</b>
<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	32,5°	35,0°	37,5°	40,0°	42,5°	45,0°	47,5°	50,0°	52,5°	55,0°	57,5°	60,0°	62,5°
	147,5°	145,0°	142,5°	140,0°	137,5°	135,0°	132,5°	130,0°	127,5°	125,0°	122,5°	120,0°	117,5°
	212,5°	215,0°	217,5°	220,0°	222,5°	225,0°	227,5°	230,0°	232,5°	235,0°	237,5°	240,0°	242,5°
	327,5°	325,0°	322,5°	320,0°	317,5°	315,0°	312,5°	310,0°	307,5°	305,0°	302,5°	300,0°	297,5°
γ	Lichtstärke in cd/klm												
112,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Lichttechnischer Prüfbefund

Familie <b>Licross® Recessed</b>		Bestell-Nr.: 56TL117C4X31 EAN: 4058352862568										LP-Nummer <b>59462_1</b>			
Wertetabelle Lichtstärkemessung												Maximale Lichtstärke		Serien dokumentation 06.07.2023	
C- Ebenen	65,0° 115,0° 245,0°	67,5° 112,5° 247,5°	70,0° 110,0° 250,0°	72,5° 107,5° 252,5°	75,0° 105,0° 255,0°	77,5° 102,5° 257,5°	80,0° 100,0° 260,0°	82,5° 97,5° 262,5°	85,0° 95,0° 265,0°	87,5° 92,5° 267,5°	90,0° 270,0°	Phi-Zone	Summe Phi-Zone		
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm			
112,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
117,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
122,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
127,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
132,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
137,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
142,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
147,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
152,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
157,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
162,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
167,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
172,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		
177,5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	1000.0		

## Lichttechnischer Prüfbefund

<b>Familie</b> <b>Licross® Recessed</b>	<b>Bestell-Nr.: 56TL117C4X31</b> <b>EAN: 4058352862568</b>	<b>LP-Nummer</b> <b>59462_1</b>
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<b>UGR-Tabelle</b>	<b>Standardraum</b>	<b>siteco</b>
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Reflexionsgrad Decke	0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3	
Reflexionsgrad Wände	0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3	
Reflexionsgrad Boden	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	
Raumabmessungen	Blickrichtung quer zur Leuchte (C0)					Blickrichtung längs zur Leuchte (C90)					
x	y										
2H	2H	28,1	29,4	28,4	29,7	30,0	28,0	29,3	28,4	29,6	29,9
	3H	28,6	29,8	29,0	30,1	30,5	28,5	29,7	28,9	30,0	30,4
	4H	29,2	30,3	29,6	30,6	31,0	29,2	30,2	29,6	30,6	30,9
	6H	30,2	31,1	30,6	31,5	31,9	30,1	31,0	30,5	31,4	31,8
	8H	30,9	31,7	31,4	32,1	32,5	30,8	31,6	31,3	32,0	32,4
	12H	31,8	32,5	32,3	32,9	33,3	31,7	32,4	32,1	32,8	33,2
4H	2H	28,3	29,4	28,7	29,7	30,1	28,3	29,3	28,7	29,7	30,1
	3H	29,1	30,0	29,5	30,4	30,8	29,0	29,9	29,5	30,3	30,7
	4H	29,8	30,6	30,2	31,0	31,4	29,7	30,5	30,2	30,9	31,4
	6H	30,7	31,3	31,2	31,8	32,2	30,6	31,3	31,1	31,7	32,2
	8H	31,2	31,8	31,7	32,3	32,8	31,2	31,7	31,6	32,2	32,7
	12H	32,2	32,6	32,7	33,1	33,6	32,1	32,5	32,6	33,0	33,5
8H	4H	30,0	30,6	30,5	31,1	31,5	30,0	30,6	30,4	31,0	31,5
	6H	31,0	31,5	31,5	32,0	32,5	31,0	31,5	31,5	32,0	32,5
	8H	31,7	32,1	32,2	32,6	33,1	31,6	32,0	32,1	32,5	33,1
	12H	32,6	32,9	33,1	33,4	33,9	32,5	32,8	33,0	33,3	33,8
12H	4H	30,2	30,6	30,6	31,1	31,6	30,1	30,5	30,6	31,0	31,5
	6H	31,2	31,6	31,8	32,1	32,6	31,2	31,5	31,7	32,0	32,6
	8H	31,9	32,2	32,5	32,8	33,3	31,9	32,2	32,4	32,7	33,3

<b>Leuchtdichten-Tabelle</b>	<b>Max. für <math>\gamma \geq 65^\circ</math></b>	<b>Lichttechnische Abmessungen in mm:</b>	<b>L = 12</b>	<b>B = 12</b>
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C- Ebenen	0,0°	10,0°	20,0°	30,0°	40,0°	50,0°	60,0°	70,0°	80,0°	90,0°
	180,0°	170,0°	160,0°	150,0°	140,0°	130,0°	120,0°	110,0°	100,0°	
		190,0°	200,0°	210,0°	220,0°	230,0°	240,0°	250,0°	260,0°	
		350,0°	340,0°	330,0°	320,0°	310,0°	300,0°	290,0°	280,0°	270,0°
$\gamma$	Leuchtdichte in cd/m <sup>2</sup>									
45,0°	167781.7	178955.0	223495.8	403120.6	621684.4	608897.5	386101.9	216524.0	168268.8	160140.0
50,0°	137749.6	144113.0	159284.5	260763.1	422258.0	414320.6	255739.4	158882.6	138988.8	136276.0
55,0°	111284.0	117702.0	125621.4	167732.9	255108.6	255333.8	167695.4	128436.3	118002.3	113460.9
60,0°	109619.4	113106.9	116120.8	130243.1	177647.2	176527.8	130243.1	117455.6	111341.7	109188.9
65,0°	130200.2	117159.8	108449.3	115377.0	146551.7	142985.9	116803.3	110843.4	117669.2	128111.7
70,0°	146783.1	128844.3	119654.7	120347.0	142691.8	138474.6	119843.5	117451.7	124312.4	131425.0
75,0°	255519.6	129506.5	124349.5	140070.0	139487.7	137491.5	139820.4	123018.7	125181.3	289954.8
80,0°	330389.5	117402.9	126329.0	168108.1	164884.8	168480.0	179265.7	121370.1	111328.2	322083.2
85,0°	517225.4	166727.4	164257.4	275903.0	357908.1	380879.5	304555.4	161787.3	175866.5	509321.3



**Lichttechnischer Prüfbefund**

<b>Familie</b> <b>Licross® Recessed</b>	<b>Bestell-Nr.: 56TL117C4X31</b> <b>EAN: 4058352862568</b>	<b>LP-Nummer</b> <b>59462_1</b>
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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**

