
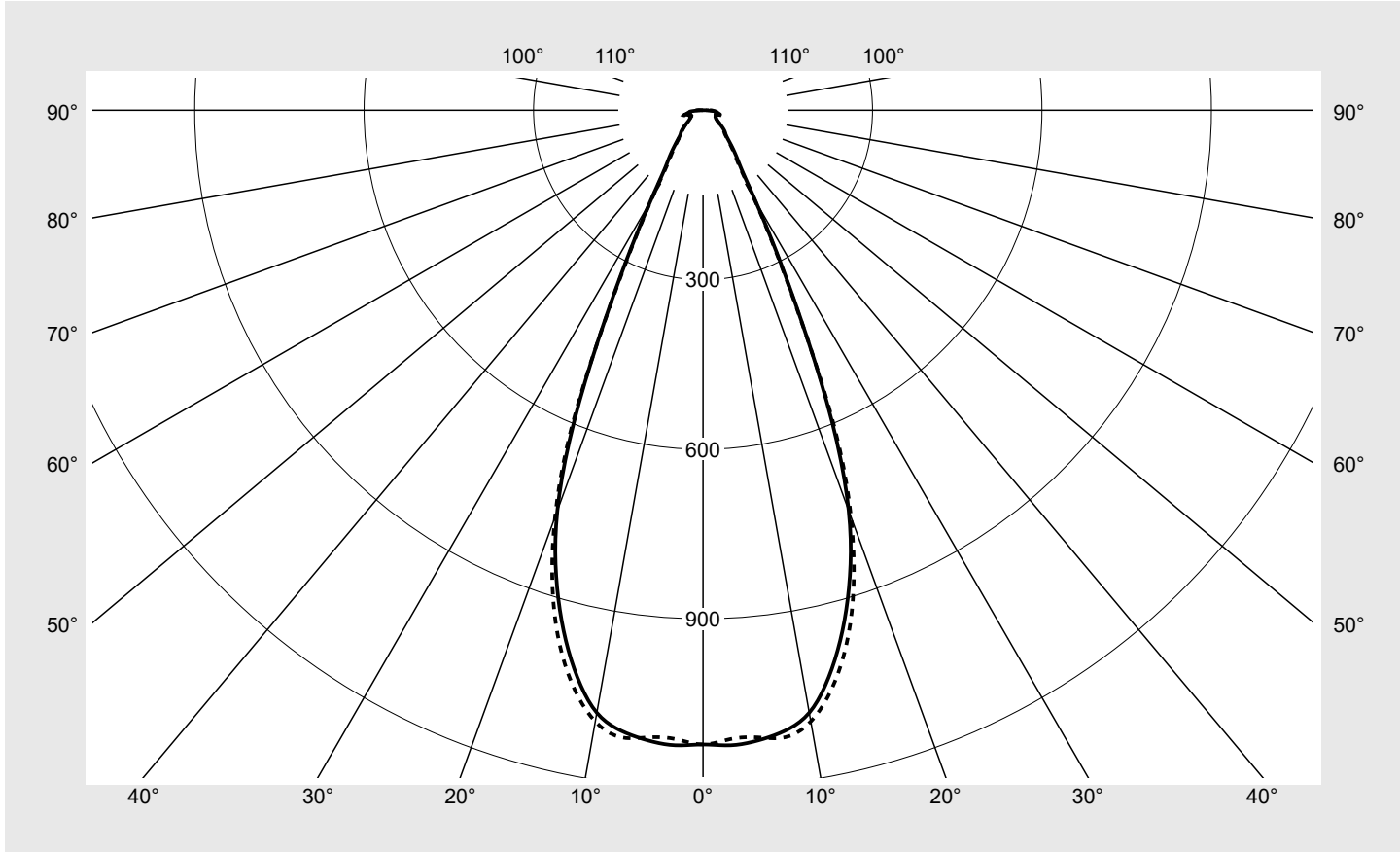


Photometric test report

Family Licross® Recessed	Order number: 56TL117C4X31 EAN: 4058352862568	LP number 59462_1
	Version emergency light operation, symmetric, narrow distribution, Application: Area	serial documentation 06.07.2023
	Lamps LED 4000 K CRI ≥ 70	Controlgear ECG
	Rated values Net luminous flux = 310 lm Power consumption = 3.9 W Luminous efficacy = 79.5 lm/W	



Luminous intensity in cd/klm C180-0 C270-90 Imax: 1127 cd/klm



Classifications	
DIN 5040	A 7 0
CIE	N1=84 N2=95 N3=98 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	100.0%
ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Licross® Recessed	Order number: 56TL117C4X31 EAN: 4058352862568	LP number 59462_1
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	Maximum luminous intensity												
	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°	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	Luminous intensity 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°	1124.9	1125.0	1125.1	1124.9	1124.5	1124.2	1124.0	1124.0	1124.1	1124.1	1124.2	1124.3	1124.3
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Photometric test report

Family Licross® Recessed	Order number: 56TL117C4X31 EAN: 4058352862568	LP number 59462_1
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Table of values for luminous intensities	Maximum luminous intensity
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C-planes	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	Luminous intensity 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

Photometric test report

Family Licross® Recessed	Order number: 56TL117C4X31 EAN: 4058352862568	LP number 59462_1
Table of values for luminous intensities		Maximum luminous intensity
		sitEco

C-planes	65,0°	67,5°	70,0°	72,5°	75,0°	77,5°	80,0°	82,5°	85,0°	87,5°	90,0°	Phi-zone	Total 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°			
	295,0°	292,5°	290,0°	287,5°	285,0°	282,5°	280,0°	277,5°	275,0°	272,5°			
γ	Luminous intensity in cd/klm											Luminous flux 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	1114.4	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

Photometric test report

Family Licross® Recessed	Order number: 56TL117C4X31 EAN: 4058352862568	LP number 59462_1
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	Maximum luminous intensity												
	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°	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	Luminous intensity 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

Photometric test report

Family Licross® Recessed	Order number: 56TL117C4X31 EAN: 4058352862568	LP number 59462_1
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	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	Luminous intensity 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

Photometric test report

Family Licross® Recessed		Order number: 56TL117C4X31 EAN: 4058352862568										LP number 59462_1	
Table of values for luminous intensities												Maximum luminous intensity	
												serial documentation 06.07.2023	
C-planes	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	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux 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

Photometric test report

Family Licross® Recessed	Order number: 56TL117C4X31 EAN: 4058352862568	LP number 59462_1
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UGR-Table	Standard room	siteco
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (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

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 12	B = 12
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C-planes	γ	10,0°	20,0°	30,0°	40,0°	50,0°	60,0°	70,0°	80,0°	90,0°	
		0,0° 180,0°	170,0° 190,0° 350,0°	160,0° 200,0° 340,0°	150,0° 210,0° 330,0°	140,0° 220,0° 320,0°	130,0° 230,0° 310,0°	120,0° 240,0° 300,0°	110,0° 250,0° 290,0°	100,0° 260,0° 280,0°	270,0°
		Luminance in cd/m²									
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

Photometric test report

Family Licross® Recessed	Order number: 56TL117C4X31 EAN: 4058352862568	LP number 59462_1
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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

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