

## Lichttechnischer Prüfbefund

**Familie**  
Tunnellight TL-L

**Bestell-Nr.:** 5WD7A9D0A2B5  
**EAN:** 4058352973905

**LP-Nummer**  
59482\_16



**Ausführung** Sanierungseinsatz für lineare Tunnelleuchte, Leuchteneinsatz Retrofit

**Optik** symmetrisch, extrem breit strahlend

**Abdeckung** Abdeckwanne, PMMA

**Bestückung** LED 5000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 5000 lm  
Systemleistung = 29.7 W  
Lichtausbeute = 168.4 lm/W

**Seriendokumentation**  
24.11.2023

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**Lichtstärke in cd/klm**

**C180-0**

**C245-65**

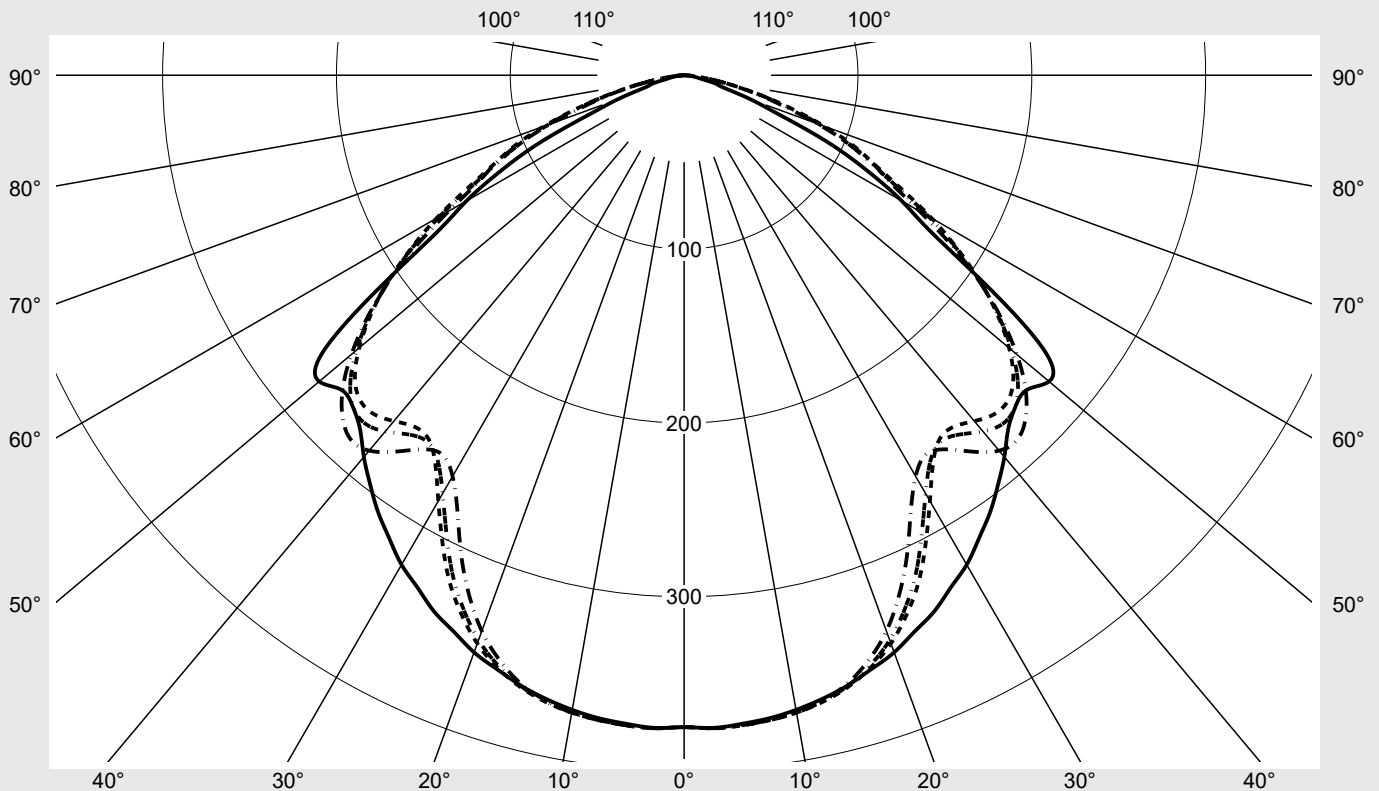
**C250-70**

**C270-90**

**Imax: 376 cd/klm**

Hausseite

Straßenseite



**Leuchtenbetriebswirkungsgrade**

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G6
Imax 70°	89.5
Imax 80°	20.7
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

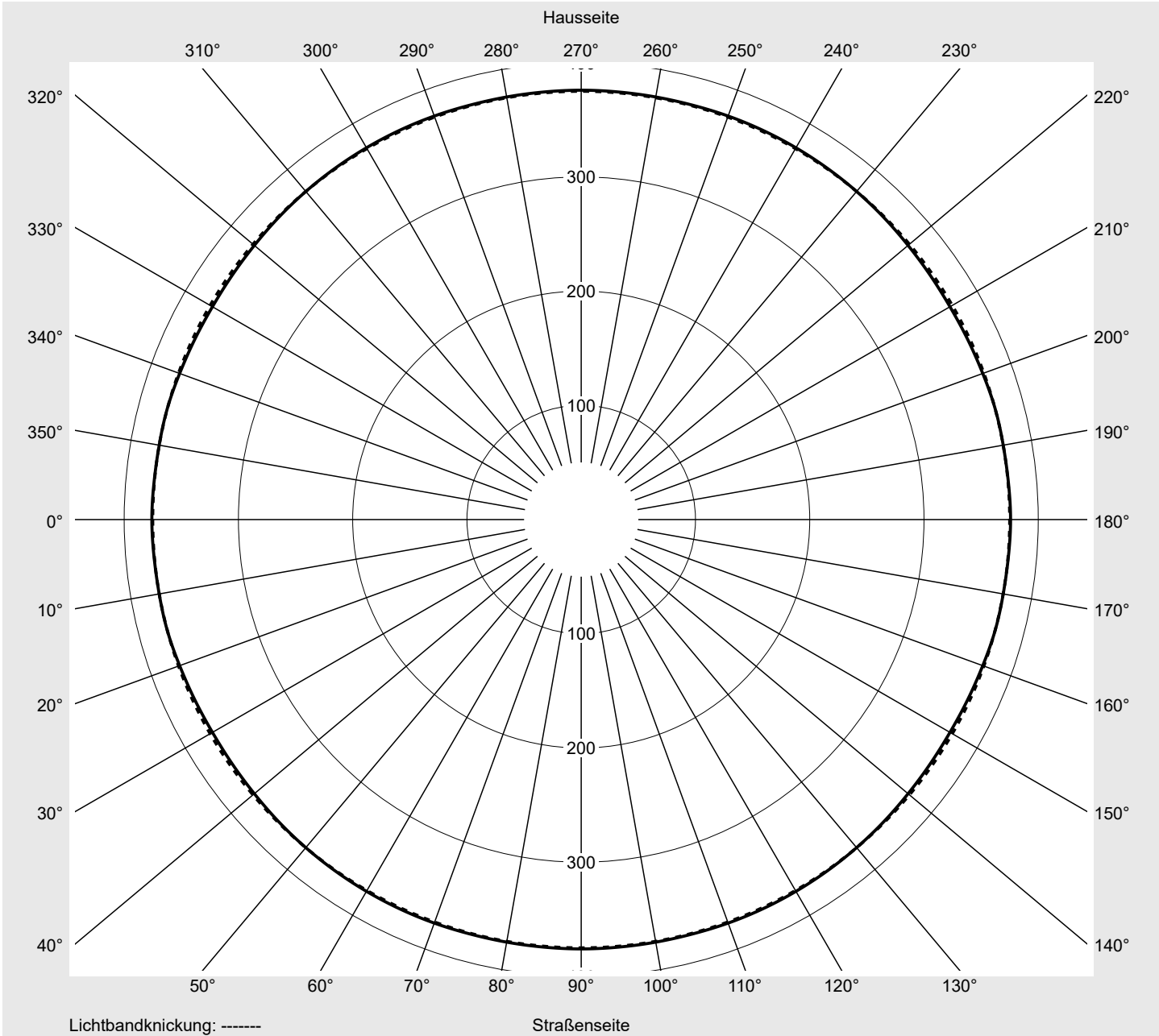
**Messbedingungen**

DIN EN 13032 und DIN 5032

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**Kegelmantelkurven in cd/klm** KMK 2.5°  KMK 0°  siteco



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

C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°	
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°	
γ		Lichtstärke in cd/klm									
0,0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2,5°	375.8	375.3	375.0	375.1	374.0	373.2	372.7	372.9	373.4	374.3	374.3
5,0°	374.6	374.3	374.2	374.3	373.2	372.4	371.9	372.2	372.8	373.6	373.6
7,5°	373.1	373.0	373.0	373.1	372.0	371.2	370.7	371.0	371.5	372.4	372.4
10,0°	370.7	370.9	371.1	371.3	370.3	369.5	368.9	369.2	369.8	370.6	370.6
12,5°	367.4	367.9	368.2	368.4	367.5	366.8	366.2	366.5	367.1	367.9	367.9
15,0°	363.4	364.1	364.6	364.8	364.0	363.3	362.7	362.9	363.5	364.3	364.3
17,5°	358.2	359.5	360.2	360.4	359.7	359.0	358.2	358.3	358.6	359.0	359.0
20,0°	353.3	354.3	355.1	355.6	354.8	354.0	353.3	353.0	352.8	352.6	352.6
22,5°	346.4	348.4	349.5	349.8	349.1	348.1	347.0	346.1	345.2	344.2	344.2
25,0°	340.4	342.0	343.1	343.6	342.7	341.4	339.7	337.9	335.9	333.8	333.8
27,5°	332.2	334.7	336.1	336.2	335.0	333.2	330.7	327.6	324.3	320.7	320.7
30,0°	325.1	327.2	328.4	328.4	326.8	324.3	320.8	316.3	311.4	306.1	306.1
32,5°	315.8	318.6	319.9	319.6	317.4	313.9	309.2	303.2	296.5	289.1	289.1
35,0°	306.9	309.2	310.1	309.5	306.4	301.8	295.6	287.6	279.1	270.1	270.1
37,5°	296.7	299.3	299.9	298.5	294.4	288.6	281.2	271.3	261.6	252.2	252.2
40,0°	286.6	288.7	288.7	286.6	281.1	273.8	264.6	253.3	243.9	236.5	236.5
42,5°	276.0	278.8	278.4	274.6	267.5	258.4	247.5	236.0	228.9	226.3	226.3
45,0°	269.6	271.0	268.8	263.1	253.8	242.6	229.6	220.3	217.7	221.9	221.9
47,5°	267.7	268.7	264.7	255.7	242.9	229.1	214.3	209.2	211.5	221.1	221.1
50,0°	274.0	274.7	268.5	255.4	236.9	219.6	203.3	203.3	208.7	219.7	219.7
52,5°	262.3	264.7	261.3	251.9	233.3	216.3	201.1	203.5	208.1	214.9	214.9
55,0°	216.1	216.5	215.4	212.7	205.8	203.6	205.9	208.7	209.2	207.5	207.5
57,5°	169.7	171.3	169.4	164.0	162.7	170.6	187.8	203.8	208.0	200.2	200.2
60,0°	144.6	144.2	140.7	134.0	132.9	139.8	154.8	173.9	186.6	192.7	192.7
62,5°	118.5	119.6	117.3	111.8	112.8	118.6	129.4	139.1	150.0	162.1	162.1
65,0°	91.1	90.1	88.7	87.0	91.8	99.3	109.8	115.5	120.4	124.2	124.2
67,5°	59.4	60.9	61.1	60.1	65.2	73.0	83.3	91.9	96.6	97.5	97.5
70,0°	41.2	40.7	40.7	41.1	44.7	50.1	57.1	64.8	71.4	76.8	76.8
72,5°	24.0	24.8	25.3	25.5	28.3	32.4	37.8	44.0	49.5	54.2	54.2
75,0°	19.1	19.3	19.5	19.8	20.8	22.2	24.0	29.0	33.7	38.1	38.1
77,5°	11.3	11.9	12.4	12.9	14.3	15.7	17.0	20.3	23.0	25.4	25.4
80,0°	7.9	7.8	7.8	7.9	8.3	8.9	9.7	11.6	14.1	17.2	17.2
82,5°	4.9	4.9	4.9	4.9	5.1	5.5	5.9	6.9	8.1	9.6	9.6
85,0°	2.8	2.7	2.7	2.8	2.8	2.9	3.1	3.4	3.9	4.6	4.6
87,5°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.4	1.6	1.6
90,0°	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	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-Zone	Summe Phi-Zone	
	130°	125°	120°	115°	110°	105°	100°	95°				
	230°	235°	240°	245°	250°	255°	260°	265°				
	310°	305°	300°	295°	290°	285°	280°	275°				
γ	Lichtstärke in cd/klm										Lichtstrom in lm/klm	
0,0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	0.6	0.6
2,5°	375.0	375.5	375.9	376.0	376.0	375.7	375.7	375.8	375.9	375.9	4.5	5.0
5,0°	374.3	374.9	375.3	375.5	375.5	375.2	375.2	375.3	375.5	375.5	8.9	14.0
7,5°	373.1	373.6	374.1	374.2	374.2	374.0	374.0	374.1	374.2	374.2	13.3	27.3
10,0°	371.3	371.9	372.3	372.3	372.2	372.0	372.0	372.1	372.2	372.2	17.7	45.0
12,5°	368.5	369.0	369.3	369.1	368.9	368.4	368.3	368.3	368.4	368.4	21.8	66.8
15,0°	364.6	364.8	364.9	364.3	363.6	362.9	362.6	362.4	362.4	362.4	25.8	92.6
17,5°	359.0	358.8	358.4	357.2	355.9	354.6	353.7	353.1	352.9	352.9	29.5	122.1
20,0°	352.0	351.0	349.9	347.8	345.7	343.5	341.9	340.8	340.2	340.2	32.8	155.0
22,5°	342.4	340.5	338.2	335.2	332.0	328.7	326.1	324.3	323.4	323.4	35.7	190.7
25,0°	330.8	327.7	324.2	320.1	315.7	311.2	307.6	305.1	303.7	303.7	38.1	228.8
27,5°	316.3	311.6	306.7	301.4	296.2	291.0	286.9	284.1	282.4	282.4	39.9	268.8
30,0°	300.0	293.9	288.0	282.8	277.9	273.3	269.9	267.6	266.4	266.4	41.4	310.2
32,5°	281.8	275.3	269.6	266.2	263.5	261.5	260.2	259.3	258.8	258.8	42.7	352.8
35,0°	263.2	258.2	255.1	255.9	257.4	259.6	261.2	262.2	262.7	262.7	43.9	396.7
37,5°	248.0	247.0	249.1	254.9	260.5	265.9	269.6	271.9	272.9	272.9	45.4	442.2
40,0°	238.2	242.9	250.7	259.7	267.5	274.0	278.0	280.7	281.9	281.9	46.9	489.1
42,5°	234.5	244.1	255.2	264.3	271.7	277.4	280.9	283.1	284.0	284.0	48.2	537.3
45,0°	234.4	246.0	256.9	263.9	269.3	273.2	275.8	277.3	277.9	277.9	49.1	586.4
47,5°	233.6	244.0	252.3	256.9	260.3	262.8	264.8	265.9	266.3	266.3	49.7	636.1
50,0°	229.0	236.3	241.5	244.0	245.9	247.2	248.7	249.6	249.8	249.8	50.1	686.2
52,5°	219.7	223.6	226.4	227.7	228.5	228.8	229.7	230.2	230.2	230.2	49.7	735.9
55,0°	207.5	207.8	208.6	208.5	208.4	208.1	208.4	208.3	207.9	207.9	46.9	782.9
57,5°	193.7	189.6	188.0	187.0	186.0	185.2	184.7	183.9	182.8	182.8	42.5	825.4
60,0°	180.4	171.8	166.8	164.4	162.2	160.3	159.2	157.9	156.4	156.4	37.9	863.3
62,5°	160.1	154.2	144.4	140.0	136.9	135.2	135.0	134.6	134.0	134.0	32.8	896.1
65,0°	131.8	132.2	125.5	120.3	117.7	117.6	118.7	119.4	119.6	119.6	27.8	923.9
67,5°	102.8	107.4	111.4	104.9	101.3	100.6	101.2	101.7	101.9	101.9	22.5	946.4
70,0°	80.8	85.1	89.5	85.9	83.2	81.4	81.6	81.7	81.7	81.7	17.4	963.9
72,5°	60.0	63.5	64.8	66.4	65.4	61.8	61.8	61.8	61.7	61.7	12.6	976.5
75,0°	41.4	44.7	48.1	48.6	48.1	46.6	46.4	46.4	46.4	46.4	9.3	985.8
77,5°	27.7	29.8	31.8	33.0	33.5	33.1	32.4	32.0	32.0	32.0	6.4	992.1
80,0°	18.0	18.9	19.8	20.4	20.7	20.7	20.3	20.1	20.1	20.1	4.0	996.1
82,5°	10.0	10.8	11.8	11.9	11.9	11.8	11.5	11.4	11.3	11.3	2.3	998.5
85,0°	4.7	5.0	5.3	5.5	5.6	5.4	5.3	5.2	5.1	5.1	1.1	999.6
87,5°	1.6	1.7	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	0.4	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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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	5000	29.7
95	241	252	4752	28.4
90	228	250	4503	27.0
85	215	248	4253	25.7
80	202	246	4002	24.3
75	189	243	3751	22.9
70	176	241	3499	21.5
65	163	238	3245	20.1
60	150	235	2991	18.5
55	138	232	2756	17.2
50	125	228	2501	15.7
45	112	224	2244	14.2
40	100	220	2007	12.8
35	87	215	1749	11.2
30	74	209	1490	9.7
25	62	202	1251	8.3
20	49	194	991	6.9
18	44	190	890	6.4

<b>Dimmstufen-Tabelle</b>	Umgebungstemperatur: 10°C
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	5060	29.8
95	241	252	4809	28.4
90	228	250	4557	27.1
85	215	248	4304	25.7
80	202	246	4050	24.4
75	189	243	3795	22.9
70	176	241	3540	21.5
65	163	238	3283	20.1
60	150	235	3027	18.6
55	138	232	2788	17.2
50	125	228	2530	15.7
45	112	224	2270	14.2
40	100	220	2030	12.8
35	87	215	1769	11.2
30	75	209	1528	9.8
25	62	202	1265	8.4
20	49	194	1002	6.9
18	44	190	901	6.4

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### Lichtstrom-Tabelle

**siteco**

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	5000.0	29.7
10.0	5060.0	29.8