

## Lichttechnischer Prüfbefund

**Familie**  
Tunnellight TL-L

**Bestell-Nr.:** 5WD7A8D0B2C5  
**EAN:** 4058352973523

**LP-Nummer**  
59482\_24



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

**Optik** symmetrisch, extrem breit strahlend

**Abdeckung** Abdeckwanne, PMMA

**Bestückung** LED 4000 K | CRI ≥ 80

**Betriebsgerät** EVG-DALI

**Bemessungswerte** Nettolichtstrom = 9800 lm  
Systemleistung = 63.3 W  
Lichtausbeute = 154.8 lm/W

**Seriendokumentation**  
24.11.2023

siteco

**Lichtstärke in cd/klm**

**C180-0**

**C245-65**

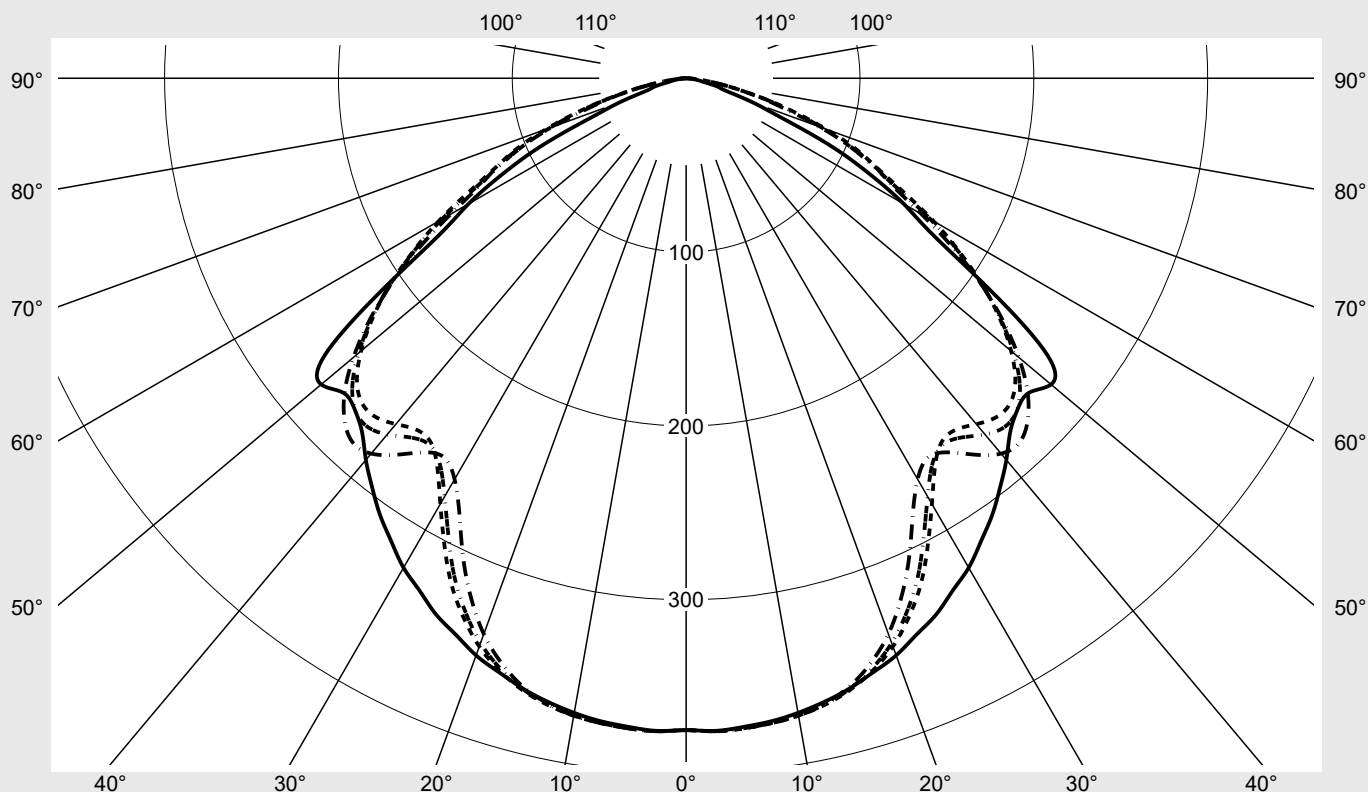
**C250-70**

**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

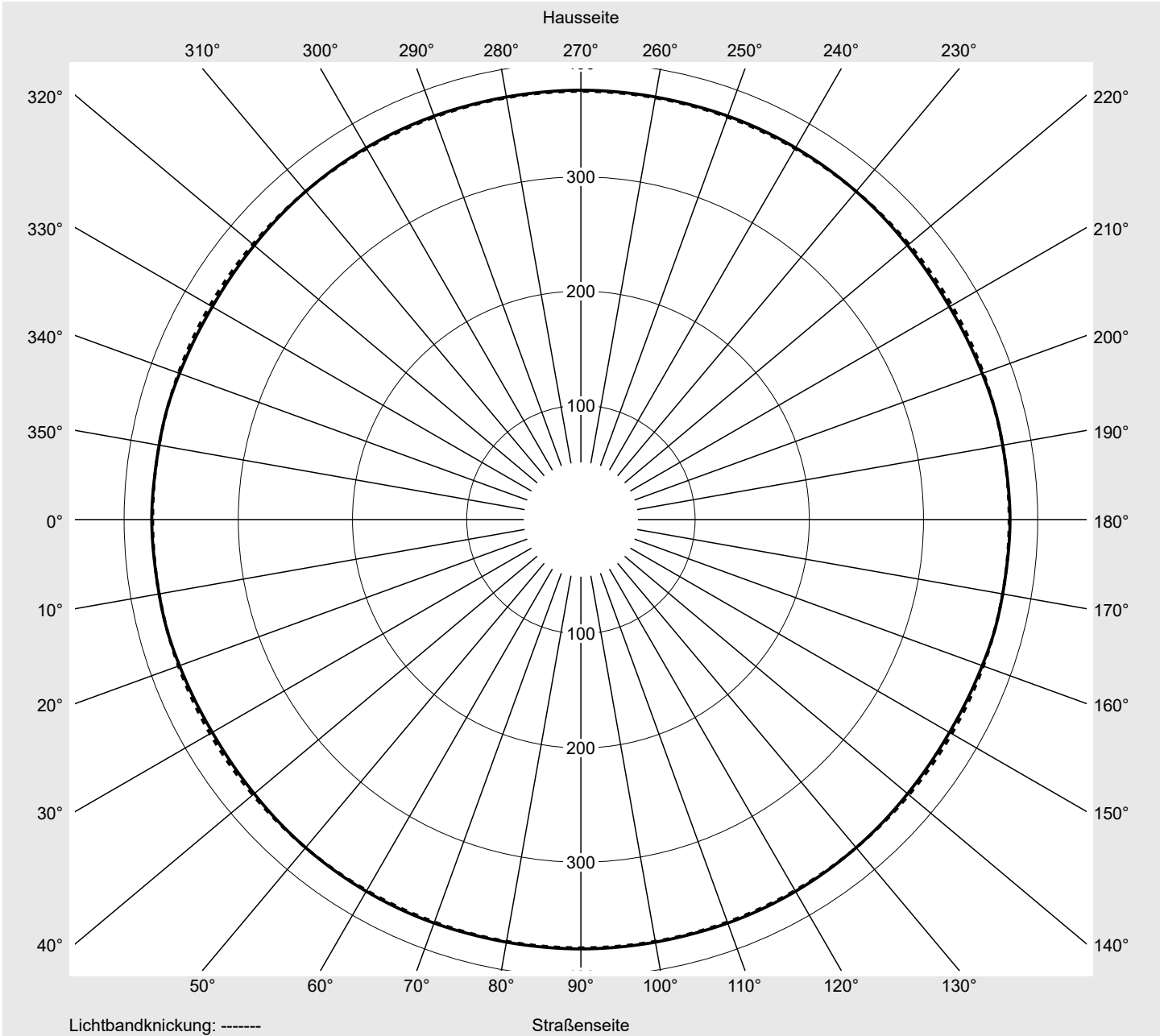
**Messbedingungen**

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	0.6	0.6
2,5°	375.0	375.5	375.9	376.0	376.0	375.7	375.7	375.8	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	8.9	14.0
7,5°	373.1	373.6	374.1	374.2	374.2	374.0	374.0	374.1	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	17.7	45.0
12,5°	368.5	369.0	369.3	369.1	368.9	368.4	368.3	368.3	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	25.8	92.6
17,5°	359.0	358.8	358.4	357.2	355.9	354.6	353.7	353.1	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	32.8	155.0
22,5°	342.4	340.5	338.2	335.2	332.0	328.7	326.1	324.3	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	38.1	228.8
27,5°	316.3	311.6	306.7	301.4	296.2	291.0	286.9	284.1	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	41.4	310.2
32,5°	281.8	275.3	269.6	266.2	263.5	261.5	260.2	259.3	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	43.9	396.7
37,5°	248.0	247.0	249.1	254.9	260.5	265.9	269.6	271.9	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	46.9	489.1
42,5°	234.5	244.1	255.2	264.3	271.7	277.4	280.9	283.1	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	49.1	586.4
47,5°	233.6	244.0	252.3	256.9	260.3	262.8	264.8	265.9	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	50.1	686.2
52,5°	219.7	223.6	226.4	227.7	228.5	228.8	229.7	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	46.9	782.9
57,5°	193.7	189.6	188.0	187.0	186.0	185.2	184.7	183.9	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	37.9	863.3
62,5°	160.1	154.2	144.4	140.0	136.9	135.2	135.0	134.6	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	27.8	923.9
67,5°	102.8	107.4	111.4	104.9	101.3	100.6	101.2	101.7	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	17.4	963.9
72,5°	60.0	63.5	64.8	66.4	65.4	61.8	61.8	61.8	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	9.3	985.8
77,5°	27.7	29.8	31.8	33.0	33.5	33.1	32.4	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	4.0	996.1
82,5°	10.0	10.8	11.8	11.9	11.9	11.8	11.5	11.4	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	1.1	999.6
87,5°	1.6	1.7	1.8	1.8	1.8	1.8	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	1000.0

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<b>Dimmstufen-Tabelle</b>		<b>siteco</b>
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	----	----	----	----
100	253	254	9764	63.1
95	240	252	9299	59.9
90	227	250	8829	56.6
85	213	248	8318	53.1
80	200	245	7840	49.9
75	187	243	7358	46.7
70	174	240	6872	43.5
65	161	237	6382	40.4
60	148	234	5890	37.1
55	135	231	5392	34.0
50	122	227	4890	30.9
45	110	223	4424	28.1
40	97	219	3914	25.1
35	85	214	3441	22.3
30	72	208	2925	19.3
25	60	201	2446	16.5
20	48	193	1963	13.6
15	36	182	1477	10.9
12	28	173	1152	9.1

## Dimmstufen-Tabelle

Umgebungstemperatur: 10°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	----	----	----	----
100	253	254	9884	63.2
95	240	252	9410	60.0
90	227	250	8933	56.7
85	213	248	8414	53.2
80	200	245	7929	50.0
75	187	243	7440	46.8
70	174	240	6947	43.6
65	161	237	6451	40.4
60	148	234	5952	37.2
55	135	231	5448	34.1
50	122	227	4941	31.0
45	110	223	4469	28.1
40	97	219	3954	25.1
35	85	214	3476	22.3
30	73	208	2994	19.6
25	60	201	2470	16.6
20	48	193	1983	13.6
15	36	182	1492	10.9
12	28	173	1163	9.1

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<b>Lichtstrom-Tabelle</b>	<b>siteco</b>
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Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	9800.0	63.3
10.0	9920.0	63.4