

Lichttechnischer Prüfbefund

Familie
Tunnellight TL-L

Bestell-Nr.: 5WD7A8P0H2C5
EAN: 4069025065544

LP-Nummer
59482_204



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 = 63.4 W
Lichtausbeute = 154.6 lm/W

Seriendokumentation
09.04.2024

siteco

Lichtstärke in cd/klm

C180-0

C245-65

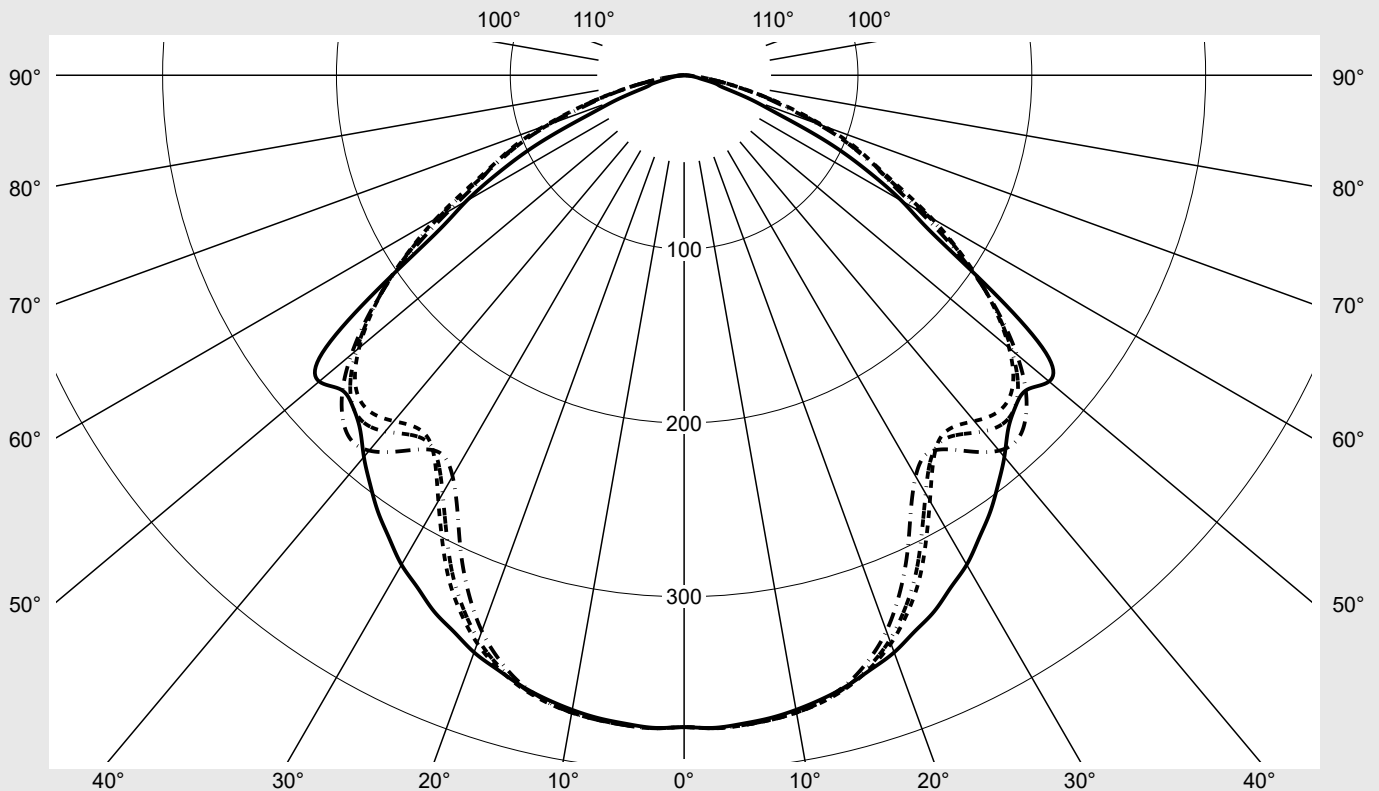
C250-70

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

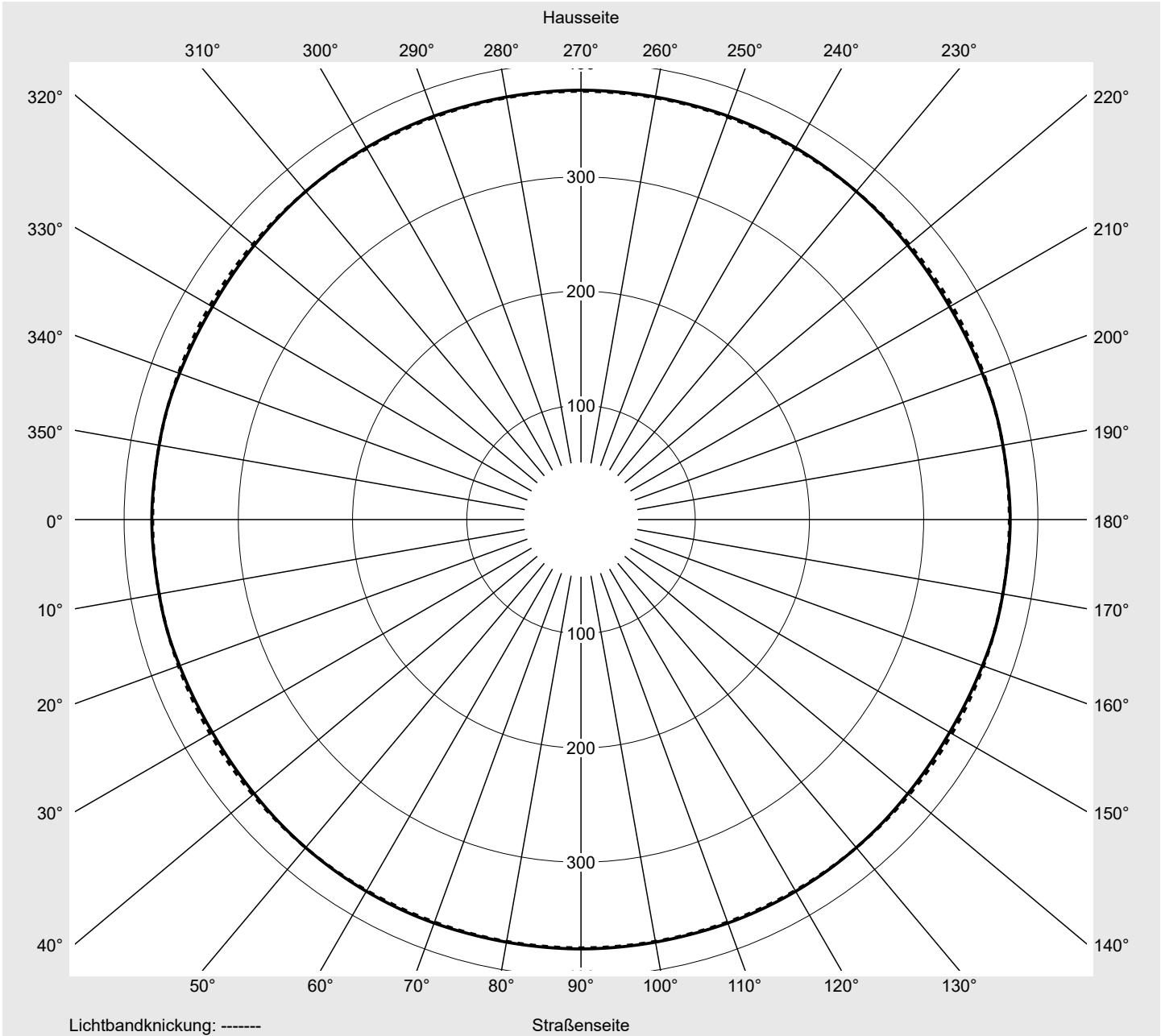
Messbedingungen

DIN EN 13032 und DIN 5032

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



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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

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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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	9800	63.4
95	240	252	9301	59.9
90	227	250	8828	56.6
85	213	248	8320	53.2
80	200	245	7840	50.1
75	187	243	7359	46.9
70	174	240	6871	43.8
65	161	237	6382	40.7
60	148	234	5889	37.6
55	135	231	5391	34.5
50	122	227	4890	31.4
45	110	223	4423	28.5
40	97	219	3915	25.6
35	85	214	3441	22.8
30	72	208	2927	19.7
25	60	201	2446	16.9
20	48	193	1964	14.2
15	36	182	1477	11.4
13	31	177	1275	10.2

Dimmstufen-Tabelle	Umgebungstemperatur: 10°C
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W]
100	254	254	9930	63.5
95	240	252	9422	60.0
90	227	250	8941	56.7
85	213	248	8424	53.3
80	200	245	7937	50.2
75	187	243	7448	47.0
70	174	240	6953	43.9
65	161	237	6457	40.7
60	148	234	5958	37.7
55	135	231	5453	34.6
50	122	227	4946	31.5
45	110	223	4473	28.6
40	97	219	3959	25.6
35	85	214	3479	22.8
30	73	208	2999	20.0
25	60	201	2472	17.0
20	48	193	1985	14.2
15	36	182	1493	11.4
13	31	177	1289	10.2

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Lichtstrom-Tabelle

siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	9800.0	63.4
10.0	9930.0	63.5