

Lichttechnischer Prüfbefund

Familie
CITY-LIGHT PLUS LED

Bestell-Nr.: 5XA5275RF14H
EAN: 4058352835432

LP-Nummer
57132_26



Ausführung	Mastaufsatz- oder Montage am Wandausleger
Optik	symmetrisch, breit strahlend (PL1.2s)
Abdeckung	Abdeckung klar, PMMA
Bestückung	LED 4000 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 2840 lm Systemleistung = 18.5 W Lichtausbeute = 153.5 lm/W

Seriendokumentation
24.02.2023

siteco

Lichtstärke in cd/klm

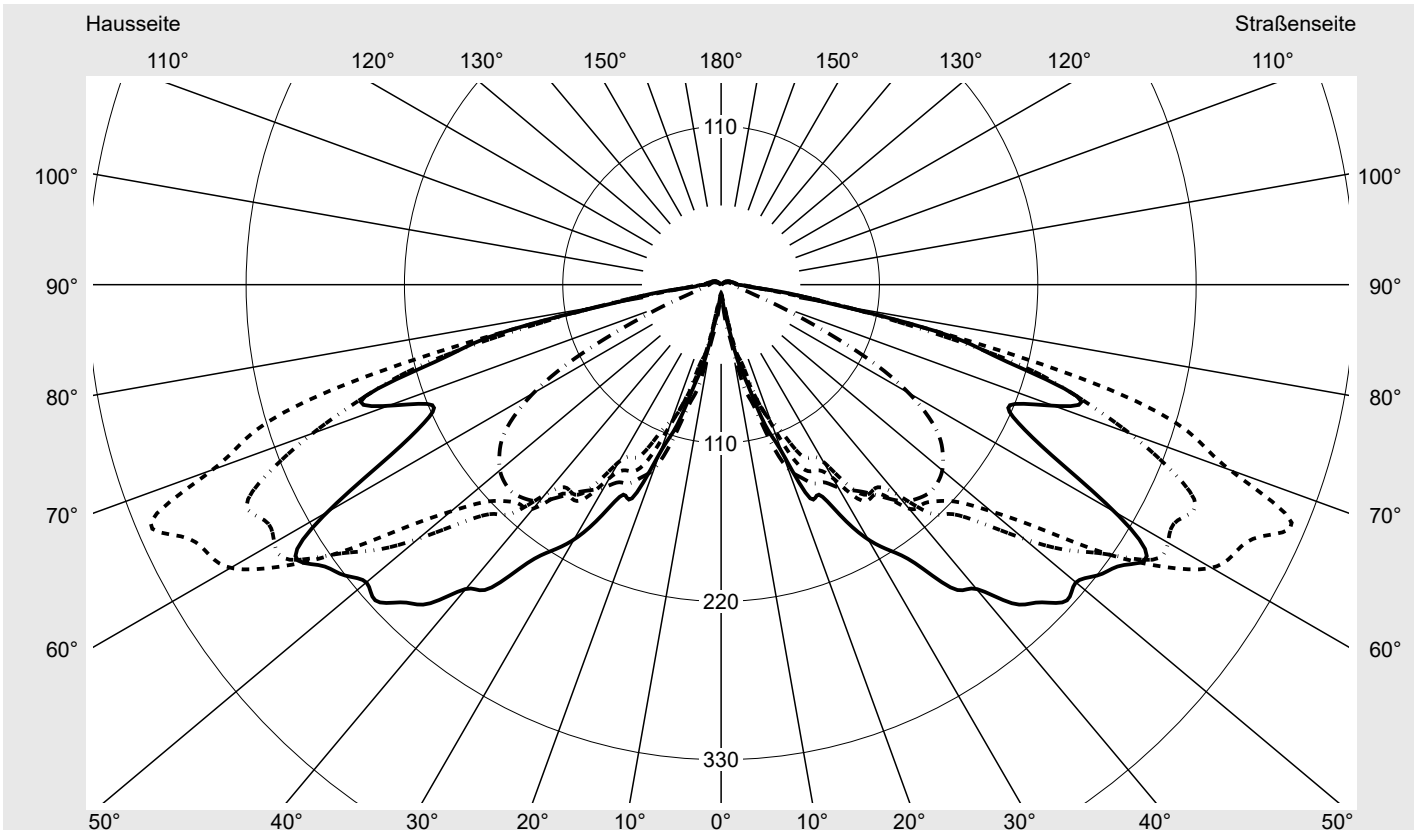
C180-0

C205-25

C210-30

C270-90

Imax: 428 cd/klm



Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	97.5%
Eta 90° - 180°	2.5%

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	375.9
Imax 80°	93.9
Imax 90°	12.3
Imax >90°	11.5
Imax >95°	9.8

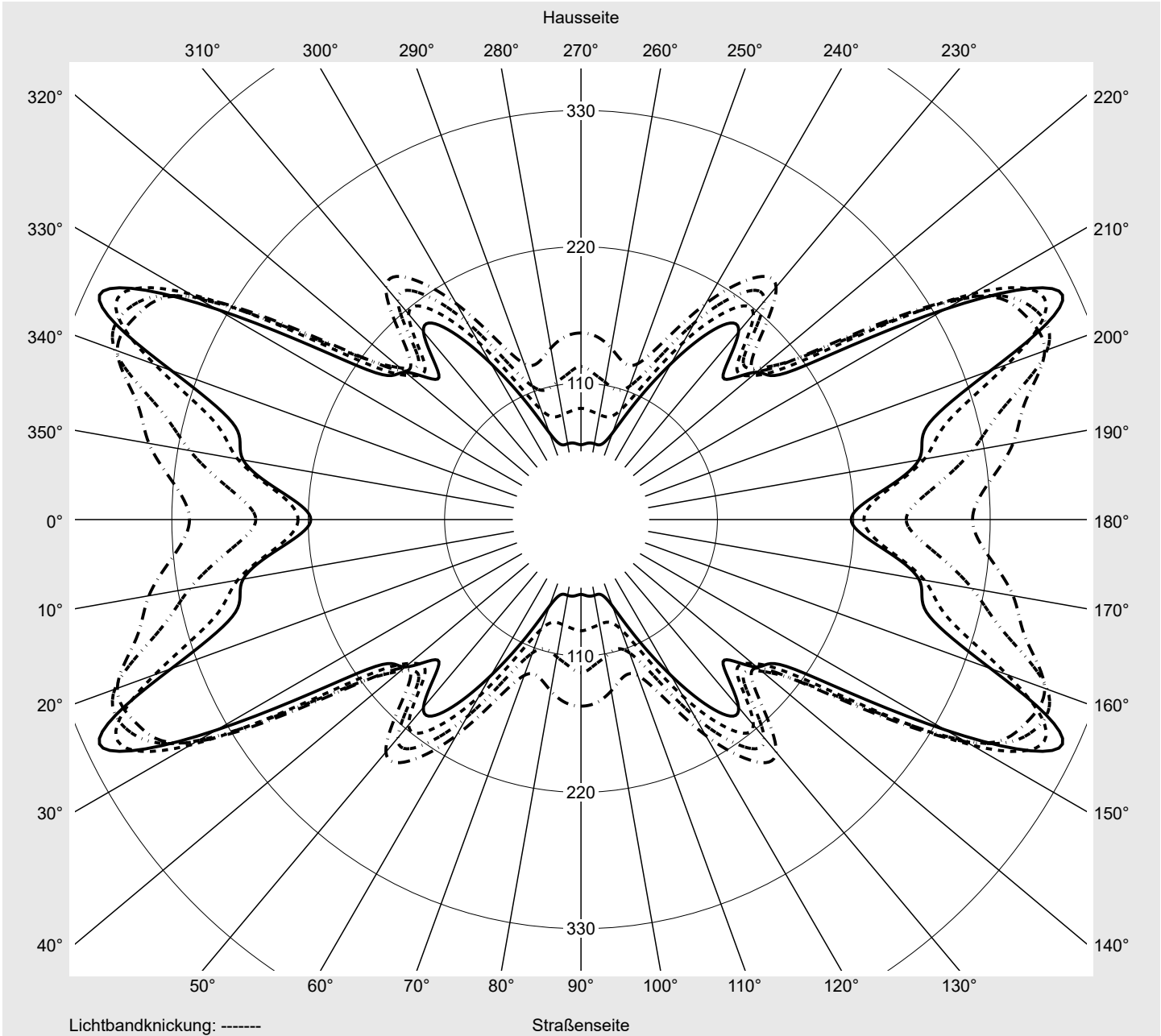
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 67,5°** **KMK 65°** **KMK 62,5°** **KMK 60°** **siteco**



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Familie CITY-LIGHT PLUS LED	Bestell-Nr.: 5XA5275RF14H EAN: 4058352835432	LP-Nummer 57132_26
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°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	
2,5°	7.3	7.3	7.6	7.5	7.6	7.7	7.7	7.7	7.7	7.8	
5,0°	9.0	8.9	9.2	9.3	9.6	9.8	10.2	10.3	10.9	11.5	
7,5°	21.0	20.3	19.1	17.3	14.8	12.8	11.8	11.8	13.1	15.6	
10,0°	29.8	29.6	31.1	31.4	28.8	24.5	21.0	21.1	25.9	31.6	
12,5°	55.4	53.4	56.1	46.7	47.2	46.5	47.4	46.8	46.2	46.0	
15,0°	72.8	68.3	66.0	69.3	72.1	65.5	57.8	56.1	62.4	75.2	
17,5°	103.0	98.8	101.6	92.5	91.5	85.2	85.3	82.1	74.0	81.8	
20,0°	124.4	134.5	140.6	118.0	114.1	104.4	100.2	92.9	85.1	93.4	
22,5°	159.9	153.9	153.6	146.0	141.9	130.6	111.6	103.0	84.8	95.4	
25,0°	161.0	155.4	157.7	147.4	146.0	142.9	130.2	119.9	87.0	101.5	
27,5°	182.2	180.9	174.3	163.7	152.1	145.4	135.1	127.7	92.2	116.6	
30,0°	204.4	210.4	201.8	182.0	166.4	155.0	142.1	128.2	97.1	131.4	
32,5°	219.2	212.1	204.3	194.2	181.6	176.1	166.5	150.0	110.4	157.7	
35,0°	237.4	236.8	221.9	199.3	185.1	181.1	177.9	166.8	127.1	171.0	
37,5°	266.7	261.4	245.2	213.1	199.4	183.7	177.6	172.1	134.4	192.8	
40,0°	275.9	273.9	251.9	228.9	217.4	203.2	190.3	180.0	140.9	207.0	
42,5°	300.6	290.7	267.8	243.4	222.3	206.9	215.7	190.2	146.2	226.3	
45,0°	312.1	315.3	292.4	266.3	236.2	212.7	225.2	197.4	158.1	225.7	
47,5°	325.2	329.0	322.3	296.6	251.4	223.6	244.8	205.4	166.5	238.3	
50,0°	321.7	338.1	345.7	318.1	270.3	245.0	274.7	223.5	173.3	235.6	
52,5°	331.2	337.7	349.8	332.6	294.2	277.4	302.9	238.4	175.4	232.3	
55,0°	339.9	347.0	348.8	351.5	329.1	325.1	326.2	246.9	182.9	223.7	
57,5°	350.6	355.7	354.0	364.2	368.7	364.9	355.6	248.0	186.8	215.8	
60,0°	315.8	329.5	353.9	371.4	398.0	393.5	358.5	248.4	186.1	202.1	
62,5°	262.2	284.5	320.4	353.9	400.1	402.8	356.3	243.1	190.4	186.0	
65,0°	228.2	245.0	281.2	306.4	365.8	413.8	363.7	232.4	180.6	178.6	
67,5°	217.9	240.5	276.7	288.5	351.7	428.5	339.5	210.9	185.0	162.1	
70,0°	246.0	264.9	279.5	294.0	328.2	375.9	302.1	190.2	159.9	140.1	
72,5°	260.1	265.2	264.1	283.3	320.1	340.7	260.4	166.2	136.7	101.6	
75,0°	203.8	207.5	223.5	241.2	274.4	275.6	214.3	127.2	87.1	64.1	
77,5°	160.1	152.5	151.2	164.9	175.6	164.3	143.0	72.9	41.3	48.6	
80,0°	81.8	75.0	83.5	93.9	91.0	85.1	86.4	40.6	39.0	37.2	
82,5°	49.7	45.3	47.4	57.6	49.7	42.7	48.3	29.1	33.0	25.9	
85,0°	22.0	22.9	24.9	27.1	25.2	24.3	24.6	18.6	21.1	15.4	
87,5°	16.6	16.9	18.2	19.1	18.6	18.2	18.4	15.1	14.7	11.8	
90,0°	11.3	11.4	12.1	12.3	12.0	11.6	11.3	10.6	8.9	7.9	
92,5°	10.6	10.7	11.3	11.5	11.2	10.8	10.5	9.9	8.4	7.5	
95,0°	10.0	10.1	10.5	10.7	10.4	10.0	9.7	9.2	7.9	7.0	
97,5°	9.3	9.4	9.8	9.8	9.6	9.2	8.9	8.4	7.4	6.6	
100,0°	8.7	8.7	9.0	9.0	8.7	8.4	8.2	7.7	6.9	6.2	
102,5°	8.0	8.0	8.2	8.2	7.9	7.6	7.4	7.0	6.3	5.8	
105,0°	7.4	7.4	7.4	7.3	7.1	6.8	6.6	6.2	5.8	5.4	
107,5°	6.9	6.9	6.9	6.8	6.5	6.3	6.1	5.8	5.5	5.1	
110,0°	6.4	6.4	6.4	6.3	6.0	5.8	5.6	5.3	5.2	4.8	

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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° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0.0	0.0
2,5°	7.8	7.9	7.9	8.1	8.2	8.2	8.2	8.1	8.1	0.1	0.1
5,0°	12.1	12.8	13.4	13.6	13.8	13.9	13.9	14.0	13.9	0.3	0.4
7,5°	18.6	21.4	23.5	24.8	26.8	28.0	28.8	29.1	28.9	0.7	1.1
10,0°	37.1	40.1	42.1	41.9	42.1	42.3	41.6	42.3	41.5	1.6	2.7
12,5°	47.3	49.2	54.5	61.2	67.9	68.9	70.6	71.5	71.9	3.3	6.0
15,0°	79.3	77.3	80.6	81.3	84.0	86.3	86.6	86.5	86.5	5.3	11.2
17,5°	87.8	80.2	92.1	98.5	105.0	112.7	114.6	114.7	114.5	7.8	19.1
20,0°	101.6	102.0	110.1	111.9	113.1	123.1	131.0	135.0	136.1	10.6	29.7
22,5°	103.4	105.1	120.4	125.2	126.6	136.7	143.0	144.6	144.9	13.3	43.0
25,0°	107.8	113.5	131.4	136.9	137.2	144.2	151.0	152.0	152.4	15.6	58.5
27,5°	119.2	118.9	141.1	152.0	152.8	156.1	155.8	154.7	154.8	18.3	76.9
30,0°	141.6	136.5	152.1	163.6	164.3	163.8	164.0	162.8	162.7	21.7	98.5
32,5°	167.2	155.1	164.2	176.4	175.9	171.9	170.0	169.3	169.3	25.3	123.9
35,0°	187.7	185.9	186.0	188.4	187.2	180.5	177.6	176.5	176.4	29.2	153.1
37,5°	200.2	206.6	207.6	198.7	196.1	188.5	186.0	186.0	186.2	33.2	186.2
40,0°	217.3	218.2	222.6	210.5	203.2	196.1	196.1	196.2	196.3	37.1	223.3
42,5°	239.3	228.8	234.7	221.6	205.7	200.9	201.0	201.5	201.7	41.1	264.4
45,0°	251.9	242.1	238.9	228.5	207.8	203.6	204.0	204.5	204.4	44.9	309.3
47,5°	259.0	250.6	241.5	226.4	203.9	203.2	203.5	204.0	203.8	48.7	358.0
50,0°	263.2	252.9	237.4	218.2	198.4	197.9	200.0	200.3	200.6	52.0	410.0
52,5°	264.9	256.1	234.0	205.8	184.7	188.3	192.3	194.1	194.2	54.7	464.6
55,0°	263.6	256.7	226.7	191.7	170.1	173.7	179.9	183.7	185.4	57.3	521.9
57,5°	255.8	250.7	216.7	175.0	152.1	155.1	163.6	168.9	170.8	59.2	581.1
60,0°	244.8	236.5	200.9	158.9	133.8	131.5	140.3	148.0	150.5	58.9	640.1
62,5°	229.8	221.8	183.6	139.3	114.4	108.3	112.5	118.3	123.5	56.2	696.3
65,0°	216.2	205.0	164.9	120.8	94.3	85.7	85.9	88.0	89.7	52.3	748.5
67,5°	197.7	187.1	145.2	104.4	74.4	62.7	62.1	61.9	60.4	49.5	798.0
70,0°	176.3	165.9	124.1	87.9	60.6	44.6	40.9	40.2	40.7	46.1	844.1
72,5°	140.3	136.0	105.0	72.1	49.1	32.8	28.0	26.5	26.8	41.7	885.8
75,0°	114.2	117.4	88.8	55.3	36.1	26.1	21.9	19.9	19.9	33.9	919.7
77,5°	91.3	94.6	71.2	38.7	22.6	19.7	17.6	16.1	15.6	23.4	943.1
80,0°	45.0	48.7	34.9	22.4	16.8	15.6	14.6	13.4	13.1	13.4	956.5
82,5°	22.9	19.7	17.1	15.3	14.7	13.6	12.4	11.7	11.1	8.1	964.6
85,0°	12.1	13.2	13.4	12.7	12.3	12.0	11.1	10.4	10.3	4.8	969.4
87,5°	10.0	11.2	11.3	11.1	10.9	10.7	10.1	9.3	9.1	3.8	973.2
90,0°	8.0	9.4	9.8	9.7	9.7	9.6	9.1	8.4	8.1	2.8	976.0
92,5°	7.5	8.7	9.1	9.0	8.7	8.7	8.3	7.6	7.7	2.6	978.5
95,0°	7.0	8.1	8.5	8.4	7.8	7.9	7.5	7.0	7.3	2.4	980.9
97,5°	6.5	7.4	7.8	7.8	7.1	7.2	6.9	6.5	6.9	2.2	983.1
100,0°	6.0	6.8	7.1	7.1	6.5	6.7	6.5	6.1	6.5	2.0	985.1
102,5°	5.5	6.1	6.4	6.5	6.2	6.3	6.1	5.9	6.2	1.8	986.9
105,0°	5.0	5.4	5.8	5.8	5.9	6.0	5.9	5.8	5.8	1.7	988.5
107,5°	4.9	5.0	5.3	5.4	5.5	5.6	5.5	5.4	5.2	1.5	990.0
110,0°	4.7	4.7	5.0	5.0	5.1	5.2	5.2	5.0	4.7	1.4	991.4

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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°
		Lichtstärke in cd/klm								
γ										
112,5°	6.4	6.4	6.4	6.3	6.1	5.8	5.7	5.5	5.3	5.1
115,0°	6.0	6.0	6.0	5.9	5.7	5.5	5.3	5.2	5.0	4.9
117,5°	5.5	5.5	5.5	5.4	5.2	5.0	4.9	4.8	4.7	4.6
120,0°	5.1	5.0	5.1	5.0	4.8	4.6	4.5	4.4	4.4	4.3
122,5°	4.5	4.5	4.5	4.5	4.3	4.1	4.0	4.0	4.0	3.9
125,0°	4.0	4.0	4.0	3.9	3.8	3.6	3.5	3.5	3.5	3.5
127,5°	3.0	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.6	2.6
130,0°	2.4	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.1	2.1
132,5°	1.9	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.7	1.7
135,0°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
137,5°	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0
140,0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142,5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145,0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
147,5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150,0°	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
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C- Ebenen	50°	55°	60°	65°	70°	75°	80°	85°	90° 270°	Phi-Zone	Summe Phi-Zone	
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°				
		Lichtstärke in cd/klm									Lichtstrom in lm/klm	
γ												
112,5°	4.6	5.0	5.1	5.2	5.3	5.5	5.5	4.7	3.7	1.4	992.8	
115,0°	4.5	4.7	4.8	4.9	5.0	5.2	5.2	4.3	3.1	1.3	994.1	
117,5°	4.3	4.4	4.5	4.6	4.7	4.9	4.9	3.9	2.6	1.2	995.3	
120,0°	4.2	4.1	4.1	4.2	4.3	4.5	4.5	3.5	2.2	1.0	996.3	
122,5°	3.7	3.7	3.7	3.8	3.9	4.1	4.1	3.1	1.8	0.9	997.2	
125,0°	3.2	3.3	3.3	3.3	3.5	3.6	3.6	2.7	1.5	0.8	998.0	
127,5°	2.5	2.5	2.4	2.5	2.5	2.6	2.8	2.1	1.5	0.6	998.6	
130,0°	2.0	2.0	2.0	2.0	2.0	2.1	2.2	1.7	1.3	0.4	999.0	
132,5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.3	1.1	0.3	999.4	
135,0°	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.0	0.9	0.2	999.6	
137,5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.2	999.8	
140,0°	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.5	0.6	0.1	999.9	
142,5°	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.1	1000.0	
145,0°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.2	0.0	1000.0	
147,5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	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	1000.0	
165,0°	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	1000.0	

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Familie CITY-LIGHT PLUS LED	Bestell-Nr.: 5XA5275RF14H EAN: 4058352835432	LP-Nummer 57132_26
Dimmstufen-Tabelle		Umgebungstemperatur: 25°C
siteco		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2840	18.5	19.7	19.1
95	241	252	2695	17.5	18.6	18.0
90	229	250	2560	16.6	17.6	17.1
85	216	248	2415	15.6	16.6	16.1
80	203	246	2270	14.7	15.6	15.2
75	190	243	2124	13.7	14.6	14.2
70	178	241	1990	12.8	13.6	13.2
65	165	238	1845	11.9	12.6	12.2
60	152	235	1700	11.0	11.6	11.3
55	140	232	1565	10.1	10.8	10.4
50	127	229	1420	9.3	9.8	9.6
45	114	225	1275	8.4	8.9	8.6
40	102	221	1140	7.7	8.1	7.9
35	89	216	995	6.8	7.2	7.0
30	76	210	850	6.0	6.3	6.2
25	63	203	704	5.2	5.5	5.4
20	51	195	570	4.5	4.7	4.6
18	46	191	514	4.1	4.3	4.2