

Lichttechnischer Prüfbefund

Familie
CITY-LIGHT PLUS LED

Bestell-Nr.: 5XA5275JF14H
EAN: 4058352636190

LP-Nummer
57132_25



Ausführung	Mastaufsatz- oder Montage am Wandausleger
Optik	symmetrisch, breit strahlend (PL1.2s)
Abdeckung	Abdeckung klar, PMMA
Bestückung	LED 3000 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 2830 lm Systemleistung = 19.3 W Lichtausbeute = 146.6 lm/W

Seriendokumentation
24.02.2023

siteco

Lichtstärke in cd/klm

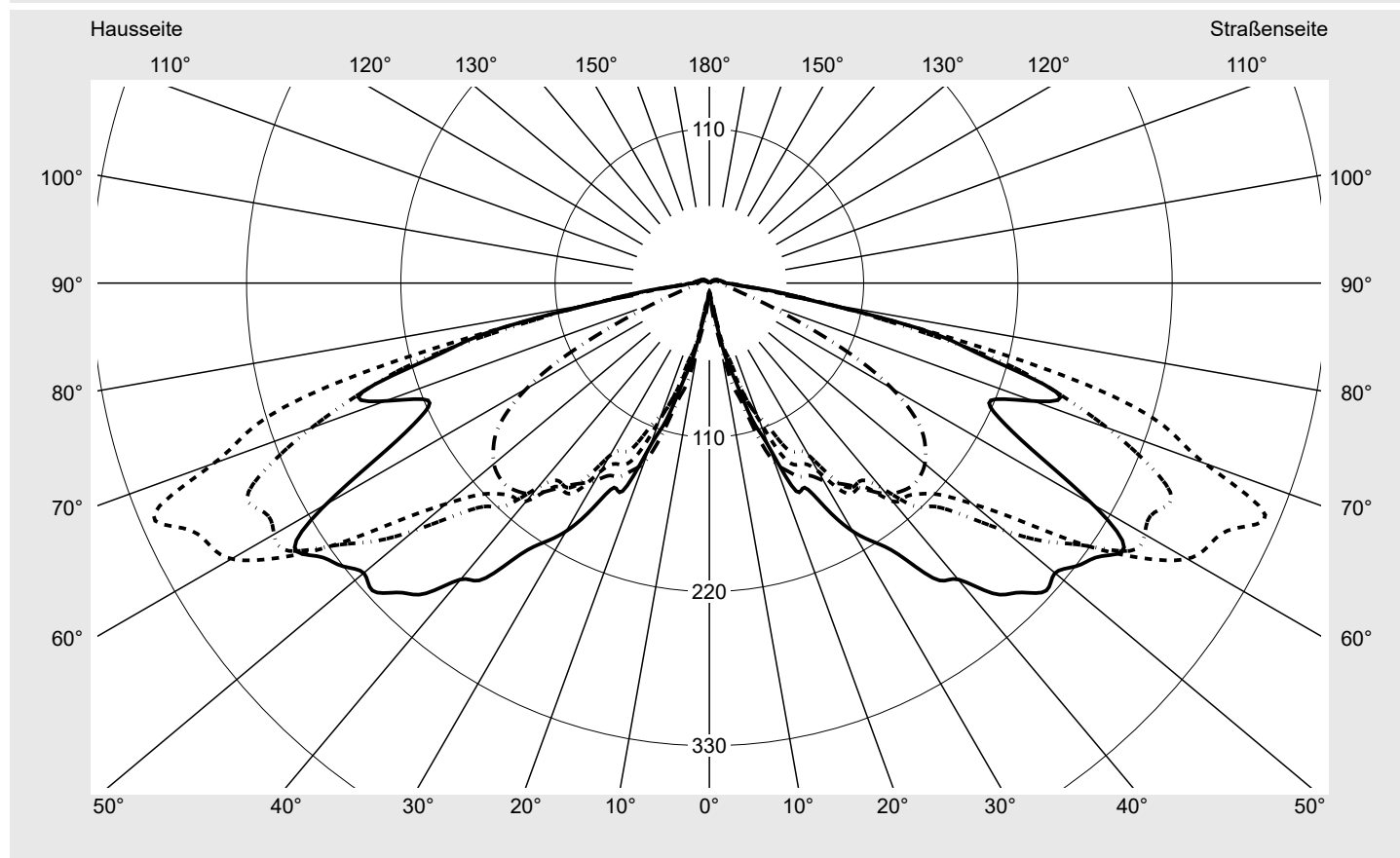
C180-0

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

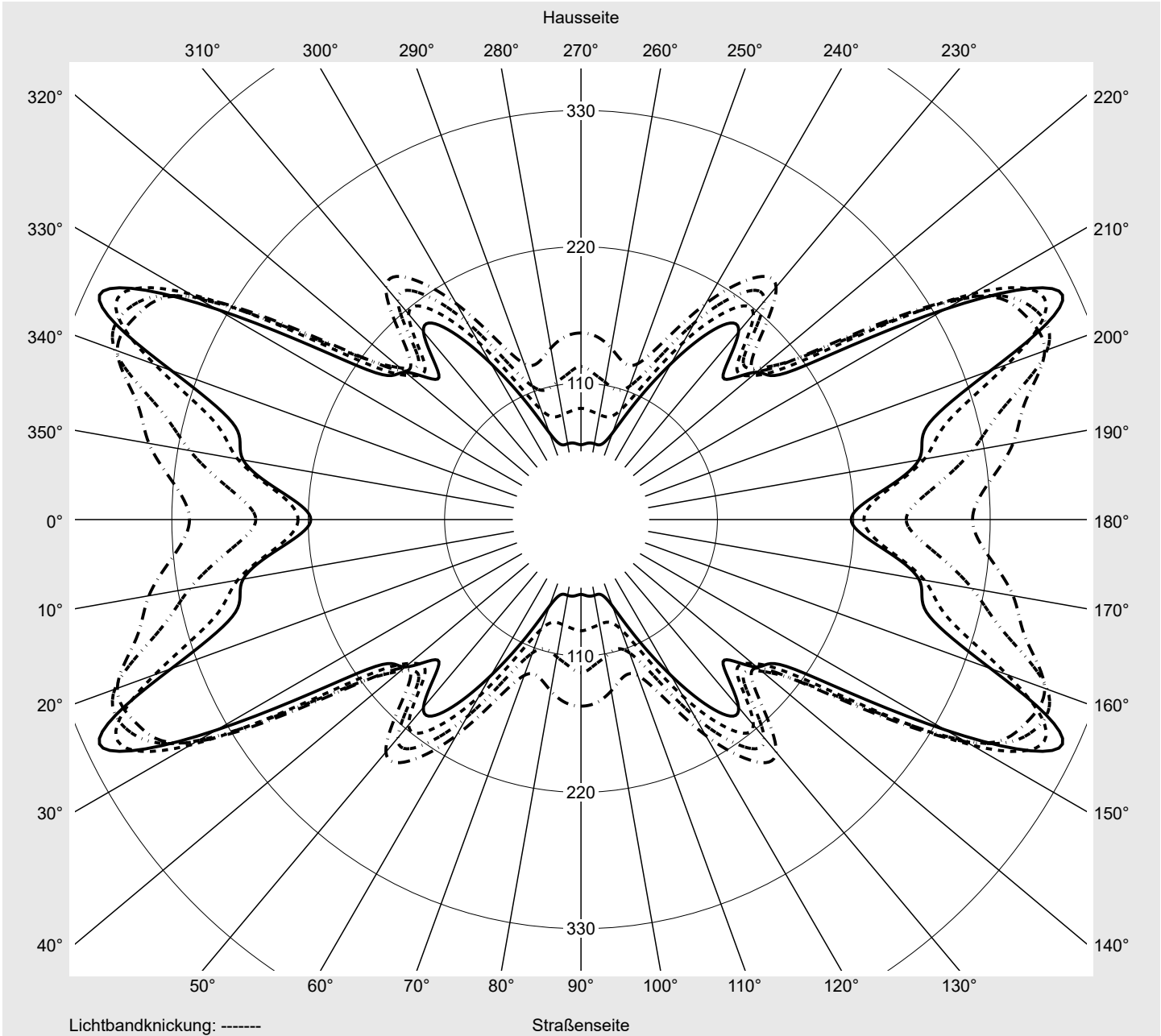
Messbedingungen

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.: 5XA5275JF14H EAN: 4058352636190	LP-Nummer 57132_25
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.: 5XA5275JF14H EAN: 4058352636190	LP-Nummer 57132_25
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	2830	19.3	20.6	20.0
95	241	252	2685	18.3	19.4	18.8
90	229	250	2551	17.3	18.4	17.8
85	216	248	2407	16.3	17.3	16.8
80	203	246	2262	15.2	16.2	15.7
75	190	243	2117	14.2	15.1	14.6
70	178	241	1983	13.3	14.1	13.7
65	165	238	1838	12.4	13.2	12.8
60	152	235	1694	11.4	12.1	11.8
55	140	232	1560	10.5	11.2	10.8
50	127	229	1415	9.6	10.1	9.8
45	114	225	1270	8.7	9.2	9.0
40	102	221	1136	7.9	8.3	8.1
35	89	216	992	7.1	7.4	7.2
30	76	210	847	6.2	6.5	6.4
25	63	203	702	5.4	5.6	5.5
20	51	195	568	4.6	4.8	4.7
17	44	190	490	4.1	4.3	4.2