

Lichttechnischer Prüfbefund

Familie

Streetlight 21 mini LED



Bestell-Nr.: 5XE2V31D08HB

EAN: 4069025150189

LP-Nummer

59539_294

Ausführung

Mastansatz- / Mastaufsatzmontage

Optik

asymmetrisch, extrem breit strahlend (P0.5a)

Abdeckung

Einscheibensicherheitsglas (ESG)

Bestückung

LED 3000 K | CRI ≥ 70

Betriebsgerät

EVG SITECO iQ

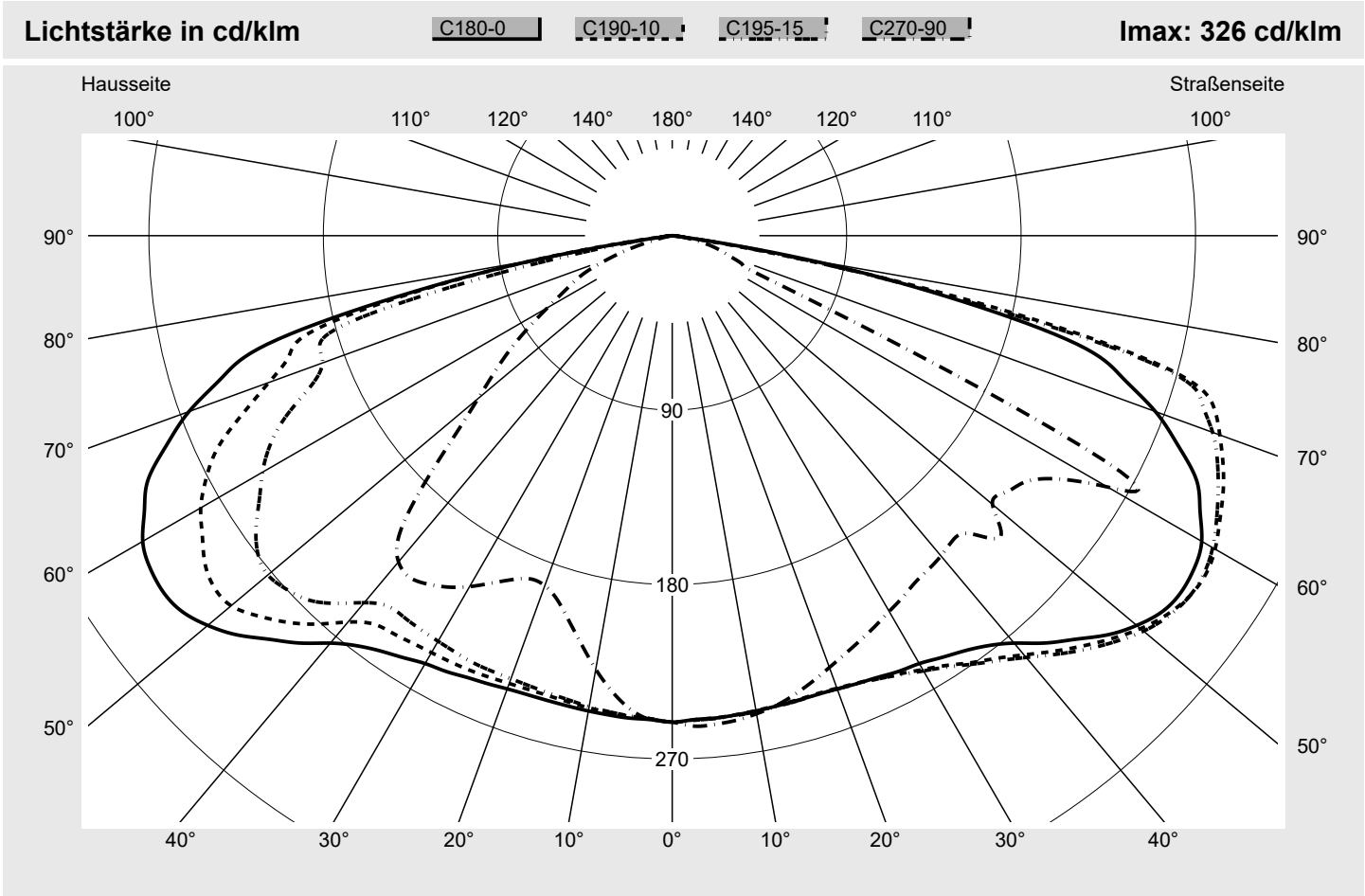
Bemessungswerte

Nettolichtstrom = 9290 lm
Systemleistung = 70.9 W
Lichtausbeute = 131 lm/W

Seriodokumentation

18.01.2024

siteco



Leuchtenbetriebswirkungsgrade		Lichtstärkeklasse nach EN13201-2	
Eta	100.0%	Klasse:	G6
Eta 0° - 90°	100.0%	Imax 70°	300.7
Eta 90° - 180°	0.0%	Imax 80°	79.4
		Imax 90°	0.0
		Imax >90°	0.0
		Imax >95°	0.0
Messbedingungen			
DIN EN 13032 und DIN 5032			

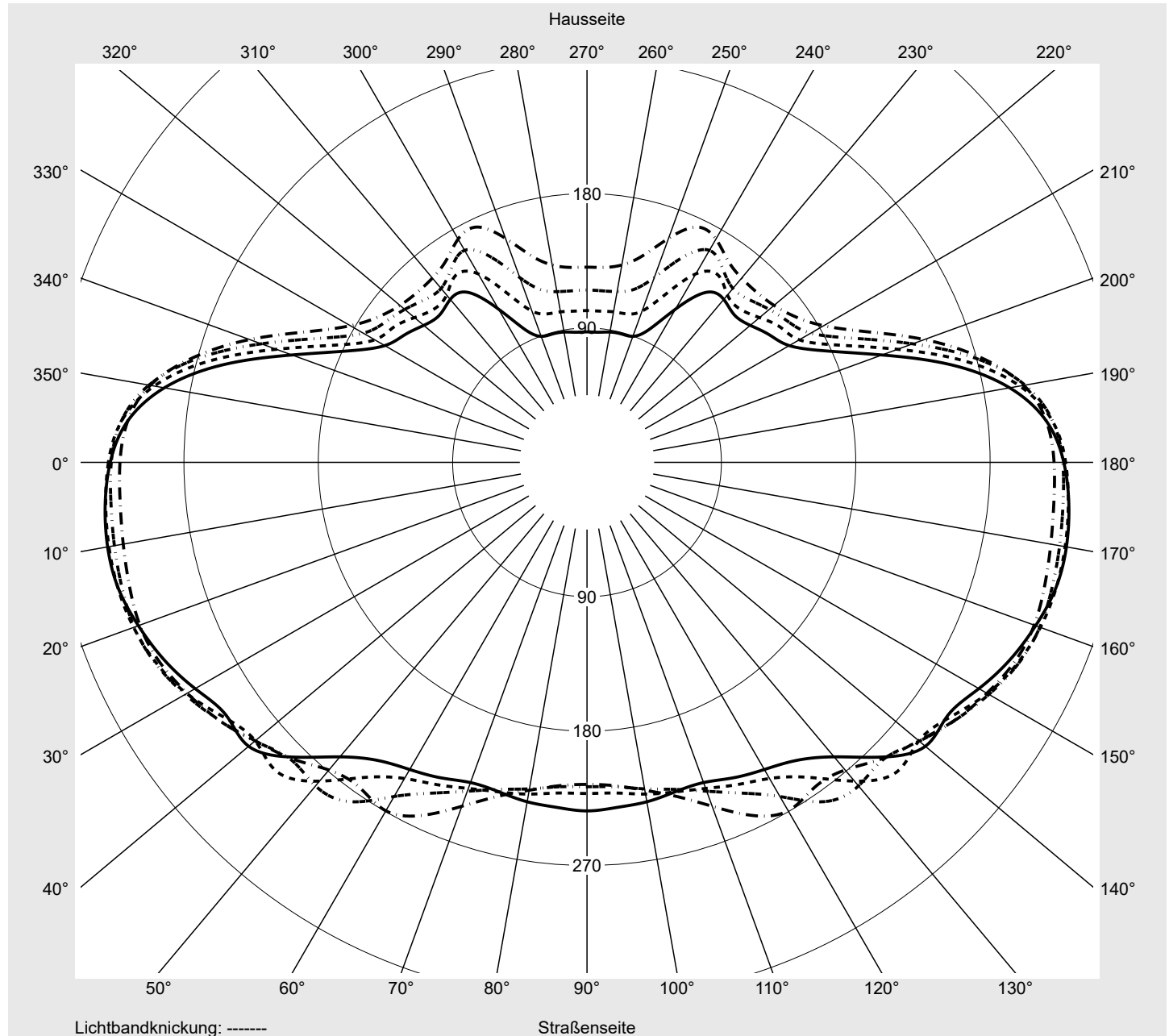
Lichttechnischer Prüfbefund**Familie**
Streetlight 21 mini LED**Bestell-Nr.: 5XE2V31D08HB**
EAN: 4069025150189**LP-Nummer**
59539_294**Kegelmantelkurven in cd/klm**

KMK 57,5°

KMK 55°

KMK 52,5°

KMK 50°

siteco

Lichttechnischer Prüfbefund

Familie Streetlight 21 mini LED				Bestell-Nr.: 5XE2V31D08HB EAN: 4069025150189								LP-Nummer 59539_294		
Wertetabelle Lichtstärkemessung												Maximale Lichtstärke		siteco
C- Ebenen	0° 180°	5° 175°	10° 170°	15° 165°	20° 160°	25° 155°	30° 150°	35° 145°	40° 140°	45° 135°	50° 130°	55° 125°	60° 120°	
γ	Lichtstärke in cd/klm													
0,0°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	
2,5°	250.0	250.0	250.1	250.3	250.7	251.0	251.0	251.2	251.5	251.6	251.7	252.0	252.3	
5,0°	249.9	249.8	249.8	250.2	250.6	250.8	251.0	251.2	251.6	251.6	251.8	252.1	252.3	
7,5°	249.5	249.5	249.4	249.8	250.3	250.6	250.8	250.9	251.2	251.3	251.4	251.6	251.7	
10,0°	249.0	248.9	248.9	249.3	249.7	250.0	250.2	250.3	250.5	250.6	250.7	250.7	250.6	
12,5°	248.6	248.5	248.3	248.8	249.3	249.5	249.6	249.6	249.6	249.6	249.6	249.6	249.4	
15,0°	248.3	248.3	248.1	248.6	249.0	249.0	249.0	248.9	248.7	248.7	248.5	248.2	247.7	
17,5°	248.3	248.2	247.9	248.3	248.7	248.8	248.8	248.6	248.1	247.7	247.3	246.6	245.9	
20,0°	248.9	249.0	248.5	249.0	249.2	249.1	249.0	248.5	247.8	247.2	246.4	245.4	244.2	
22,5°	250.1	250.1	249.8	250.3	250.5	250.3	249.9	249.1	248.0	246.9	245.8	244.0	242.5	
25,0°	251.4	251.8	251.8	252.3	252.4	252.0	251.1	249.9	248.3	246.5	244.7	242.8	240.9	
27,5°	253.4	254.0	254.8	255.4	255.5	255.0	253.7	252.1	249.6	247.0	244.5	242.2	239.4	
30,0°	255.0	256.9	258.5	259.3	259.3	258.5	257.2	254.9	251.6	248.3	245.1	241.9	238.5	
32,5°	258.2	260.9	263.0	263.9	264.2	263.3	261.6	258.6	254.5	250.7	246.4	242.2	238.0	
35,0°	261.7	266.1	269.0	269.9	270.0	269.4	267.1	263.1	258.6	254.1	248.8	243.6	238.9	
37,5°	266.8	271.5	274.9	276.5	276.5	275.8	273.3	268.9	263.8	258.0	251.8	246.1	240.6	
40,0°	274.5	279.0	282.4	284.1	284.4	283.4	280.9	275.8	270.4	263.3	256.0	249.1	242.3	
42,5°	285.1	287.7	290.9	293.0	293.3	292.0	288.8	283.0	276.7	268.6	260.2	252.3	244.4	
45,0°	294.5	296.9	299.4	301.9	302.8	301.6	297.2	290.6	283.0	273.7	264.6	255.2	246.2	
47,5°	304.8	305.7	307.7	310.1	311.4	309.8	304.3	297.0	287.8	277.8	267.8	257.0	248.7	
50,0°	312.8	313.9	315.5	317.5	318.8	316.1	309.3	300.9	290.1	280.4	269.0	265.7	269.5	
52,5°	318.7	320.1	321.5	322.6	322.8	318.8	310.8	301.1	290.5	281.1	282.9	277.4	258.4	
55,0°	320.6	323.6	325.2	325.3	323.2	318.2	309.6	297.3	290.1	293.3	278.7	257.5	244.5	
57,5°	319.4	324.0	326.1	325.1	319.8	312.7	303.1	295.2	295.9	279.2	257.5	243.8	237.5	
60,0°	315.5	321.1	323.5	322.0	313.2	302.4	294.6	297.8	286.2	257.4	242.9	234.2	227.4	
62,5°	307.0	315.3	318.5	316.7	303.4	288.4	283.0	286.1	266.8	239.5	228.9	220.3	213.3	
65,0°	298.5	308.0	313.6	310.8	293.9	274.5	258.2	254.1	246.7	219.3	210.7	200.1	196.9	
67,5°	282.4	297.5	307.6	304.5	284.9	260.4	237.6	233.8	224.5	196.1	181.4	175.2	177.5	
70,0°	265.3	283.6	300.7	296.7	273.8	244.0	215.8	202.6	190.5	173.9	157.0	152.6	154.2	
72,5°	243.6	269.1	292.8	286.6	258.3	222.1	190.7	169.6	160.0	149.0	134.1	128.7	126.5	
75,0°	216.2	240.5	264.2	259.5	228.1	191.8	159.7	140.2	129.3	121.7	108.1	103.8	102.5	
77,5°	145.0	162.5	166.8	154.2	137.4	126.2	120.6	109.9	99.3	92.4	79.4	77.3	75.9	
80,0°	69.5	56.9	56.8	60.7	61.0	60.2	65.4	60.8	54.6	59.0	55.1	55.2	45.6	
82,5°	6.3	5.3	5.3	7.2	14.9	17.9	23.4	25.2	24.8	26.7	24.9	30.5	22.9	
85,0°	2.5	2.5	2.4	2.4	2.3	2.3	2.1	2.2	3.8	5.7	6.8	8.1	5.9	
87,5°	1.4	1.4	1.4	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.0	1.0	
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

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Familie Streetlight 21 mini LED				Bestell-Nr.: 5XE2V31D08HB EAN: 4069025150189								LP-Nummer 59539_294	
Wertetabelle Lichtstärkemessung												sITeco	
C- Ebenen	65° 115°	70° 110°	75° 105°	80° 100°	85° 95°	90°	185° 355°	190° 350°	195° 345°	200° 340°	205° 335°	210° 330°	215° 325°
γ	Lichtstärke in cd/klm												
0,0°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0
2,5°	252.3	252.3	252.7	252.9	253.1	253.3	250.0	249.6	249.6	249.8	249.7	249.6	249.6
5,0°	252.3	252.4	252.6	252.9	253.0	253.1	249.5	249.0	248.8	248.8	248.3	248.1	247.8
7,5°	251.6	251.6	251.7	252.1	252.3	252.3	249.0	248.2	247.8	247.4	246.7	245.9	245.0
10,0°	250.3	250.2	250.3	250.4	250.5	250.5	248.3	247.4	246.8	245.8	244.4	242.9	241.2
12,5°	248.9	248.6	248.4	248.3	248.3	248.3	247.6	246.5	245.5	244.0	241.7	239.3	236.5
15,0°	247.0	246.2	245.8	245.4	245.2	244.9	247.3	245.8	244.5	242.2	239.2	235.6	231.8
17,5°	244.7	243.5	242.5	241.7	241.2	241.1	247.2	245.6	243.7	240.6	236.5	232.0	226.9
20,0°	242.7	241.0	239.5	238.3	237.5	237.1	247.7	245.9	243.3	239.2	234.0	228.1	221.9
22,5°	240.8	238.9	236.9	234.9	234.1	233.5	248.7	246.6	243.2	237.9	231.2	224.1	216.7
25,0°	239.0	236.8	234.2	231.8	230.7	230.1	250.0	247.4	243.1	236.4	228.5	220.4	212.1
27,5°	236.8	234.2	231.6	229.1	227.5	227.0	251.3	247.9	242.3	234.8	225.8	216.6	207.6
30,0°	235.1	231.9	229.1	226.5	224.6	223.9	252.4	248.4	241.6	232.7	222.7	212.6	203.0
32,5°	234.4	230.8	227.1	224.2	221.9	221.3	254.5	249.3	241.1	230.7	219.4	208.0	197.7
35,0°	234.7	230.0	225.7	222.3	219.4	218.5	257.2	250.7	240.7	228.3	215.2	202.1	191.5
37,5°	235.1	229.6	224.5	220.5	217.8	217.1	260.8	252.7	240.9	226.3	210.7	196.0	185.4
40,0°	235.7	229.1	223.6	219.4	216.7	215.7	268.8	260.3	247.2	229.4	209.2	191.2	180.0
42,5°	237.0	229.2	222.7	218.0	214.7	213.8	279.8	271.8	257.3	236.8	212.4	190.4	176.4
45,0°	238.2	230.1	224.1	220.4	218.0	217.4	290.5	281.9	265.7	242.9	216.1	191.3	174.9
47,5°	246.9	247.6	243.5	237.5	231.8	229.8	300.6	290.3	270.0	243.5	214.7	189.5	173.3
50,0°	260.9	245.1	231.6	223.0	217.4	215.7	309.1	297.1	272.4	240.5	207.0	183.1	170.2
52,5°	244.4	234.4	226.8	222.1	218.1	217.3	313.3	298.0	269.5	232.2	196.7	173.0	164.4
55,0°	238.2	232.4	228.5	225.6	222.3	221.8	313.2	294.4	262.1	221.4	185.8	164.2	158.0
57,5°	233.0	228.2	228.4	230.8	232.0	233.5	309.4	287.5	252.5	210.3	176.6	156.4	149.0
60,0°	223.2	221.3	227.4	239.2	253.0	259.4	304.3	280.9	244.1	201.6	167.7	146.0	137.4
62,5°	206.8	211.0	228.8	255.9	259.3	251.4	295.4	271.1	233.9	189.1	153.8	128.8	122.0
65,0°	191.1	200.2	214.8	159.1	99.5	81.1	284.6	258.6	219.5	173.2	136.8	113.8	106.5
67,5°	173.1	177.0	104.3	45.0	40.1	39.3	268.1	239.7	201.3	160.9	126.0	98.9	86.9
70,0°	153.9	102.1	38.9	34.7	33.3	32.7	246.7	221.4	192.0	159.1	115.1	78.0	67.2
72,5°	111.9	41.5	29.4	28.3	27.3	27.0	224.7	207.4	190.7	144.1	81.8	52.9	48.5
75,0°	61.2	23.5	22.1	21.8	21.5	21.6	197.8	193.8	171.7	100.8	45.9	35.1	33.8
77,5°	29.7	16.3	15.8	15.8	15.3	15.1	138.8	139.4	99.3	39.4	22.0	21.2	22.0
80,0°	13.6	10.4	10.2	9.9	9.6	9.4	79.4	70.3	36.0	12.7	11.5	11.9	12.6
82,5°	6.5	5.7	5.7	5.6	5.2	5.2	10.5	13.4	8.3	5.6	5.6	5.7	6.0
85,0°	2.4	2.3	2.3	2.2	2.1	2.1	2.5	2.5	2.5	2.4	2.4	2.3	2.3
87,5°	0.9	0.9	0.9	0.8	0.9	0.9	1.4	1.4	1.5	1.4	1.3	1.3	1.3
90,0°	0.0	0.0	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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Familie				Bestell-Nr.: 5XE2V31D08HB								LP-Nummer	
Streetlight 21 mini LED				EAN: 4069025150189								59539_294	
Wertetabelle Lichtstärkemessung												siteco	
C- Ebenen	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0,0°	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	251.0	0.4	0.4
2,5°	249.5	249.6	249.6	249.4	249.5	249.6	249.9	249.8	249.8	249.8	250.0	3.0	3.4
5,0°	247.3	247.0	246.7	246.3	246.1	245.9	245.8	245.6	245.4	245.5	245.5	6.0	9.3
7,5°	243.8	242.8	241.6	240.6	239.8	239.1	238.5	237.9	237.5	237.3	237.3	8.8	18.2
10,0°	239.2	237.1	235.1	233.3	231.6	230.3	229.2	228.1	227.5	227.3	227.2	11.6	29.8
12,5°	233.5	230.3	227.4	224.7	222.2	220.1	218.5	217.4	216.5	216.1	216.0	14.2	44.0
15,0°	227.8	223.5	219.5	216.0	213.0	210.5	208.6	207.2	206.3	205.9	205.8	16.8	60.8
17,5°	221.8	216.7	211.9	207.7	204.2	201.5	199.5	198.2	197.5	197.2	197.1	19.2	80.0
20,0°	215.8	210.0	205.0	200.6	197.2	194.7	193.1	192.4	192.1	192.1	192.2	21.6	101.6
22,5°	210.0	204.1	199.0	194.9	192.2	190.6	190.1	190.3	190.7	191.4	191.7	24.0	125.5
25,0°	204.8	198.6	194.1	191.3	190.1	190.3	191.3	192.8	194.3	195.5	195.9	26.4	151.9
27,5°	199.8	194.0	190.6	189.8	190.5	192.5	195.2	197.9	200.0	201.7	202.1	28.9	180.8
30,0°	195.2	190.2	188.5	189.8	192.7	196.4	200.1	203.5	206.3	208.3	209.1	31.3	212.2
32,5°	190.1	186.9	187.5	190.9	195.4	199.9	204.5	208.4	211.9	214.2	215.0	33.8	246.0
35,0°	185.4	184.1	186.9	191.8	197.2	202.0	207.3	211.8	215.6	218.4	219.5	36.3	282.3
37,5°	180.7	181.6	185.8	191.4	196.6	201.5	207.1	212.4	217.4	221.0	222.3	38.8	321.1
40,0°	176.7	178.7	183.2	188.2	193.3	198.3	204.5	211.1	216.0	218.7	219.7	41.2	362.3
42,5°	172.5	174.4	178.4	183.2	188.3	194.4	202.4	209.1	210.7	209.0	208.0	43.7	406.0
45,0°	168.5	169.0	172.8	177.7	183.6	192.3	199.7	198.2	190.3	183.1	180.9	46.0	452.0
47,5°	165.7	164.8	167.4	172.3	179.5	187.1	185.5	173.5	160.7	153.4	151.6	48.2	500.1
50,0°	163.6	160.9	161.1	164.8	172.7	173.9	159.6	143.1	134.2	131.1	130.7	49.4	549.6
52,5°	159.4	154.0	152.1	158.4	164.0	151.5	131.7	119.8	116.1	115.3	115.4	50.2	599.8
55,0°	150.8	145.1	146.3	153.1	145.8	124.0	107.8	103.0	102.4	101.7	101.7	50.5	650.3
57,5°	142.8	139.6	142.5	139.0	118.5	98.1	89.8	89.0	88.6	87.5	87.4	50.3	700.6
60,0°	133.7	133.9	130.8	113.2	90.4	79.0	76.1	75.9	75.7	74.4	74.2	49.7	750.2
62,5°	121.6	118.6	103.6	83.7	70.2	66.2	64.9	64.9	65.1	63.8	63.5	48.1	798.4
65,0°	104.0	95.2	77.1	64.1	59.9	58.1	56.9	56.9	57.6	55.8	55.5	43.5	841.8
67,5°	82.3	70.1	58.1	53.2	52.4	50.9	49.3	49.4	50.1	47.9	46.8	38.6	880.4
70,0°	61.0	51.7	46.0	45.5	45.4	43.4	40.4	39.0	38.7	35.7	35.0	34.6	915.0
72,5°	43.8	39.1	37.3	37.4	36.9	33.9	30.2	28.6	27.5	24.9	24.2	30.4	945.4
75,0°	32.1	30.1	29.5	29.0	27.9	24.8	21.3	19.4	16.5	13.2	12.4	25.4	970.8
77,5°	22.1	21.5	20.5	20.2	18.7	15.1	11.1	9.0	7.4	5.4	5.2	17.0	987.8
80,0°	12.1	11.9	10.1	9.0	8.4	7.2	5.8	4.6	3.8	2.1	1.9	8.5	996.3
82,5°	5.8	5.3	4.7	4.5	4.4	3.7	3.0	2.4	1.7	1.2	1.0	2.7	999.0
85,0°	2.1	2.1	1.9	1.8	1.7	1.5	1.3	1.1	0.9	0.8	0.7	0.7	999.7
87,5°	1.1	1.1	1.1	1.0	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.3	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	0.0	1000.0

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Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2V31D08HB EAN: 4069025150189	LP-Nummer 59539_294
Dimmstufen-Tabelle Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	9290	70.9	75.1	73.0
95	241	252	8815	65.9	69.9	67.9
90	229	250	8376	61.6	65.2	63.4
85	216	248	7900	57.1	60.5	58.8
80	203	246	7425	52.8	55.8	54.3
75	190	243	6949	48.7	51.5	50.1
70	178	241	6510	45.0	47.5	46.2
65	165	238	6035	41.1	43.5	42.3
60	152	235	5559	37.4	39.5	38.4
55	140	232	5120	34.2	36.0	35.1
50	127	229	4645	30.7	32.3	31.5
45	114	225	4170	27.5	28.8	28.2
40	102	221	3731	24.4	25.6	25.0
35	89	216	3255	21.2	22.3	21.8
30	76	210	2780	18.2	19.1	18.6
25	63	203	2304	15.3	16.0	15.6
20	51	195	1865	12.7	13.3	13.0
15	38	184	1390	9.9	10.3	10.1
11	27	172	988	7.8	8.0	7.9

Dimmstufen-Tabelle Umgebungstemperatur: 5°C	
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	9290	68.9	71.9	70.4
95	241	252	8815	64.4	67.1	65.8
90	229	250	8376	60.3	62.9	61.6
85	216	248	7900	56.1	58.4	57.2
80	203	246	7425	52.0	54.1	53.0
75	190	243	6949	48.0	50.0	49.0
70	178	241	6510	44.4	46.3	45.3
65	165	238	6035	40.8	42.4	41.6
60	152	235	5560	37.2	38.6	37.9
55	140	232	5121	33.9	35.3	34.6
50	127	229	4645	30.6	31.8	31.2
45	114	225	4170	27.3	28.3	27.8
40	102	221	3731	24.4	25.3	24.8
35	89	216	3255	21.2	22.1	21.6
30	76	210	2780	18.2	18.9	18.5
25	63	203	2304	15.4	15.9	15.6
20	51	195	1865	12.7	13.2	13.0
15	38	184	1390	9.9	10.2	10.0
11	27	172	988	8.0	8.1	8.0

Lichttechnischer Prüfbefund

Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2V31D08HB EAN: 4069025150189	LP-Nummer 59539_294
Dimmstufen-Tabelle		Umgebungstemperatur: 15°C
		siteco

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	9290	69.7	72.8	71.2
95	241	252	8814	65.0	67.8	66.4
90	229	250	8375	60.8	63.5	62.2
85	216	248	7900	56.5	58.8	57.6
80	203	246	7424	52.4	54.4	53.4
75	191	244	6986	48.6	50.6	49.6
70	178	241	6510	44.6	46.4	45.5
65	165	238	6035	40.9	42.5	41.7
60	152	235	5559	37.3	38.7	38.0
55	140	232	5120	34.0	35.3	34.6
50	127	229	4645	30.6	31.8	31.2
45	114	225	4169	27.3	28.3	27.8
40	102	221	3731	24.3	25.2	24.8
35	89	216	3255	21.2	22.0	21.6
30	76	210	2780	18.2	18.8	18.5
25	64	204	2341	15.6	16.1	15.8
20	51	195	1865	12.7	13.1	12.9
15	38	184	1390	10.0	10.2	10.1
11	27	172	987	7.9	8.0	8.0

Lichttechnischer Prüfbefund

Familie Streetlight 21 mini LED	Bestell-Nr.: 5XE2V31D08HB EAN: 4069025150189	LP-Nummer 59539_294
Lichtstrom-Tabelle		siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	9290.0	70.9
5.0	9290.0	68.9
15.0	9290.0	69.7