

Lichttechnischer Prüfbefund

Familie
Streetlight 31 maxi toolless

Bestell-Nr.: 5XH8V31T08SA
EAN: 4069025105080

LP-Nummer
59539_1016



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface oben/unten
Optik asymmetrisch, extrem breit strahlend (P0.5a)
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO - Smart Interface
Bemessungswerte Nettolichtstrom = 27810 lm
Systemleistung = 211.4 W
Lichtausbeute = 131.6 lm/W

Seriendokumentation
27.05.2024

siteco

Lichtstärke in cd/klm

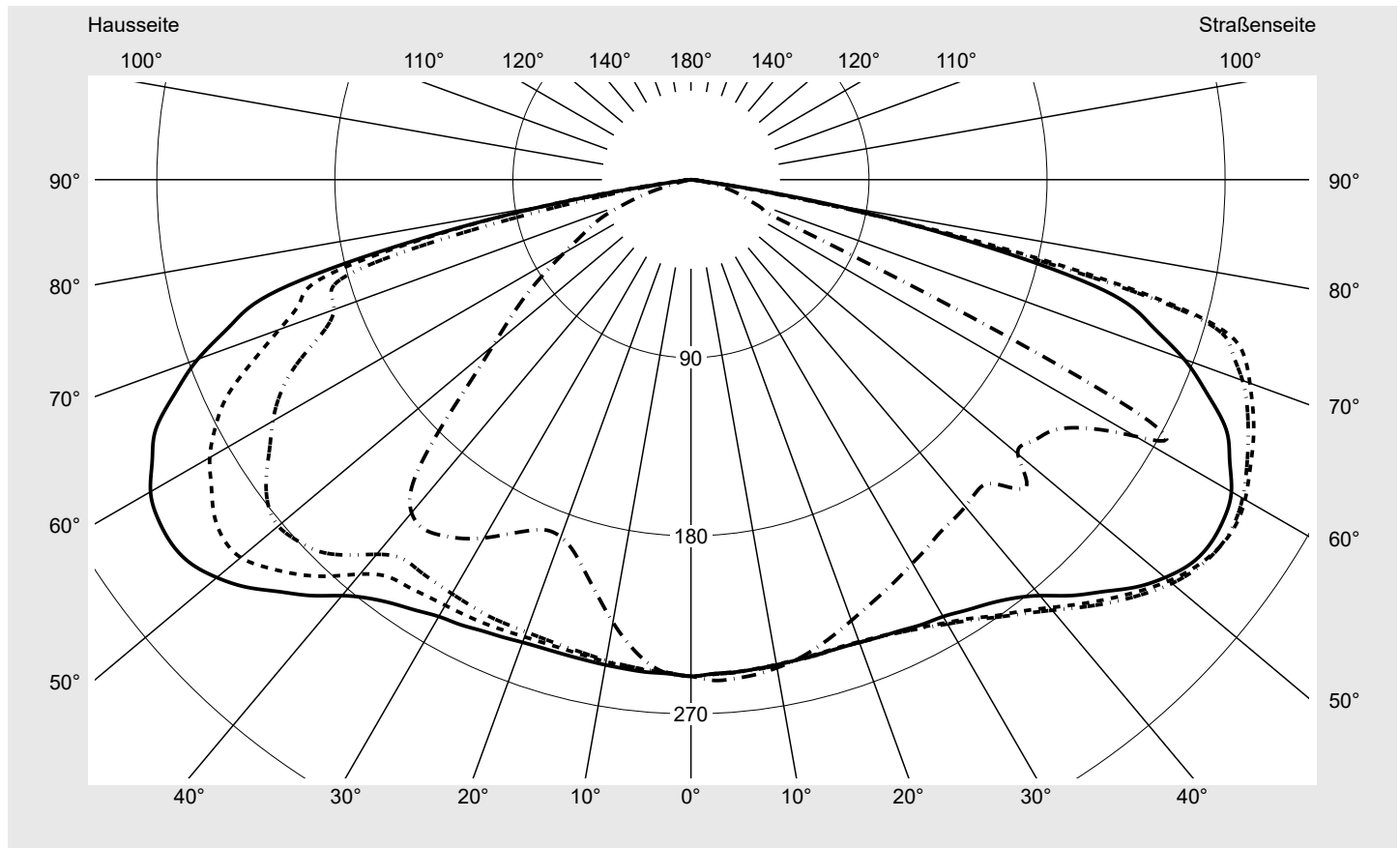
C180-0

C190-10

C195-15

C270-90

Imax: 326 cd/klm



Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

Lichtstärkeklasse nach EN13201-2

Klasse:	G6
Imax 70°	300.7
Imax 80°	79.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

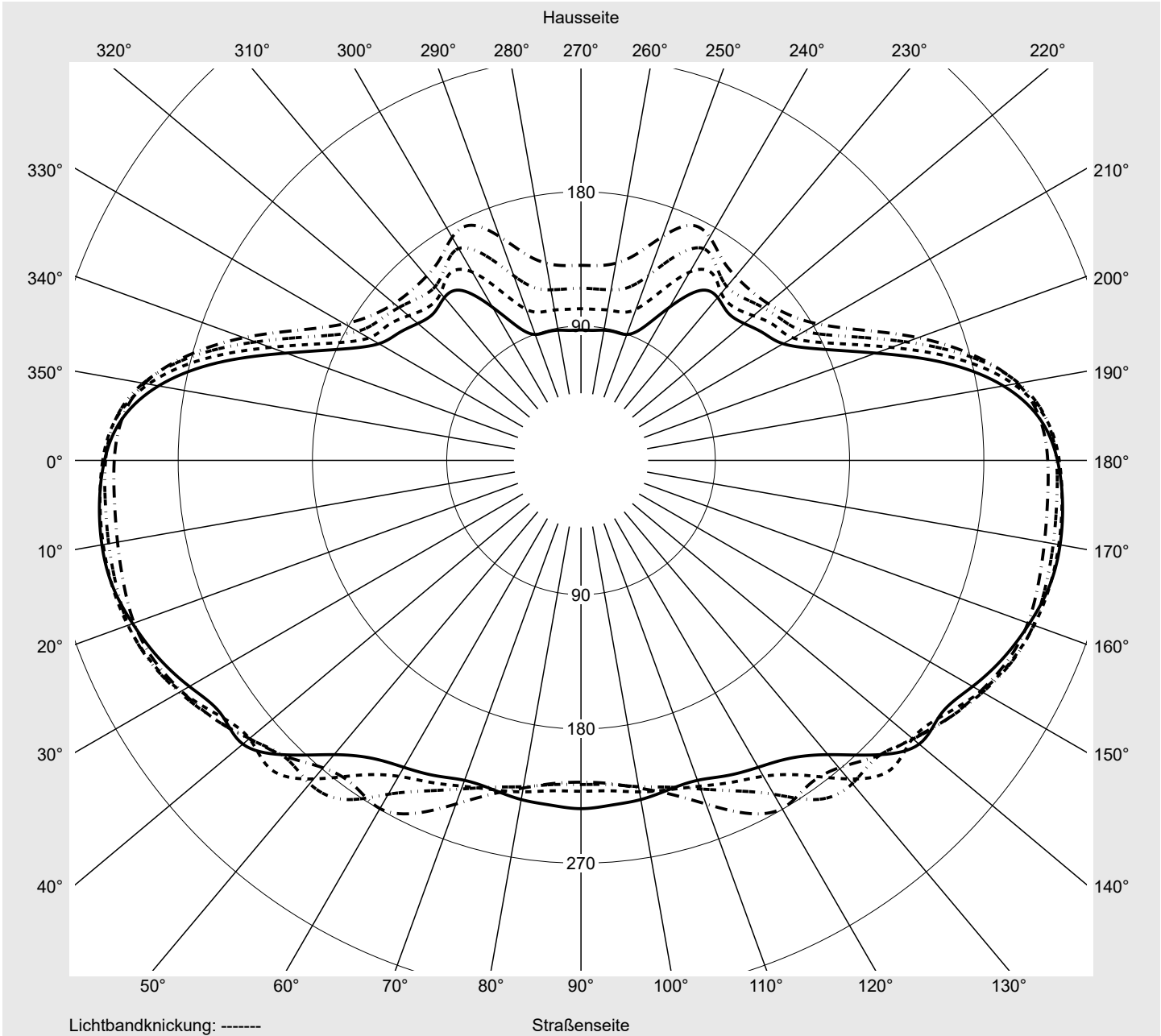
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 57,5°** **KMK 55°** **KMK 52,5°** **KMK 50°** **siteco**



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Familie Streetlight 31 maxi toolless	Bestell-Nr.: 5XH8V31T08SA EAN: 4069025105080	LP-Nummer 59539_1016
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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		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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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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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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	27810	211.4	238.0	224.7
95	237	251	26451	196.0	220.9	208.4
90	220	249	25013	180.9	203.8	192.4
85	204	246	23596	166.8	187.8	177.3
80	189	243	22208	153.8	173.0	163.4
75	175	240	20866	141.8	159.3	150.6
70	161	237	19477	130.1	146.0	138.0
65	147	234	18038	118.5	132.8	125.6
60	134	231	16664	108.0	120.6	114.3
55	121	227	15244	97.6	108.9	103.2
50	109	223	13896	88.1	98.1	93.1
45	97	219	12515	78.7	87.6	83.2
40	85	214	11103	69.5	77.1	73.3
35	74	209	9775	61.2	67.8	64.5
30	62	202	8295	52.1	57.6	54.8
25	51	195	6910	43.8	48.3	46.0
20	41	187	5623	36.1	39.8	38.0
15	30	176	4181	27.6	30.3	29.0
12	23	166	3248	21.9	24.1	23.0

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	28860	213.6	240.4	227.0
95	237	251	27378	198.2	223.1	210.6
90	222	249	26012	184.7	208.0	196.4
85	206	246	24508	170.6	191.9	181.2
80	192	244	23135	158.3	178.0	168.2
75	177	241	21627	145.3	163.2	154.2
70	163	238	20175	133.4	149.6	141.5
65	150	235	18788	122.5	137.1	129.8
60	137	231	17367	111.8	125.0	118.4
55	124	228	15902	101.2	113.0	107.1
50	111	224	14401	90.9	101.2	96.1
45	99	219	12983	81.4	90.5	86.0
40	87	215	11538	72.1	79.9	76.0
35	75	209	10056	62.8	69.6	66.2
30	64	204	8677	54.4	60.1	57.2
25	53	197	7269	45.9	50.7	48.3
20	42	188	5829	37.5	41.2	39.4
15	31	177	4367	28.8	31.7	30.2
11	23	166	3287	22.3	24.5	23.4

Lichttechnischer Prüfbefund

Familie Streetlight 31 maxi toolless	Bestell-Nr.: 5XH8V31T08SA EAN: 4069025105080	LP-Nummer 59539_1016
Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 15°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	28370	212.5	239.1	225.8
95	237	251	26947	197.1	222.0	209.6
90	221	249	25539	182.8	205.9	194.4
85	205	246	24075	168.7	189.9	179.3
80	191	244	22740	156.5	176.0	166.2
75	176	241	21267	143.5	161.2	152.4
70	162	238	19843	131.7	147.8	139.8
65	149	234	18481	120.9	135.4	128.2
60	135	231	16975	109.5	122.3	115.9
55	123	227	15642	99.7	111.4	105.6
50	110	223	14160	89.5	99.6	94.6
45	98	219	12759	80.1	89.0	84.6
40	86	214	11329	70.8	78.6	74.7
35	75	209	9985	62.3	69.1	65.7
30	63	203	8492	53.2	58.9	56.0
25	52	196	7095	44.9	49.4	47.2
20	41	187	5665	36.4	40.1	38.2
15	30	176	4211	27.8	30.5	29.2
12	23	166	3270	22.1	24.3	23.2

Lichttechnischer Prüfbefund

Familie Streetlight 31 maxi toolless	Bestell-Nr.: 5XH8V31T08SA EAN: 4069025105080	LP-Nummer 59539_1016
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Lichtstrom-Tabelle	siteco
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Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	27810.0	211.4
5.0	28860.0	213.6
15.0	28370.0	212.5