

Lichttechnischer Prüfbefund

Familie
Streetlight 31 midi

Bestell-Nr.: 5XH313AT08LA
EAN: 4069025511706

LP-Nummer
59800_3177



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface oben/unten
Optik asymmetrisch strahlend (PL32)
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO - Smart Interface
Bemessungswerte Nettolichtstrom = 13360 lm
 Systemleistung = 86.5 W
 Lichtausbeute = 154.5 lm/W

Seriendokumentation
22.08.2025

siteco

Lichtstärke in cd/klm

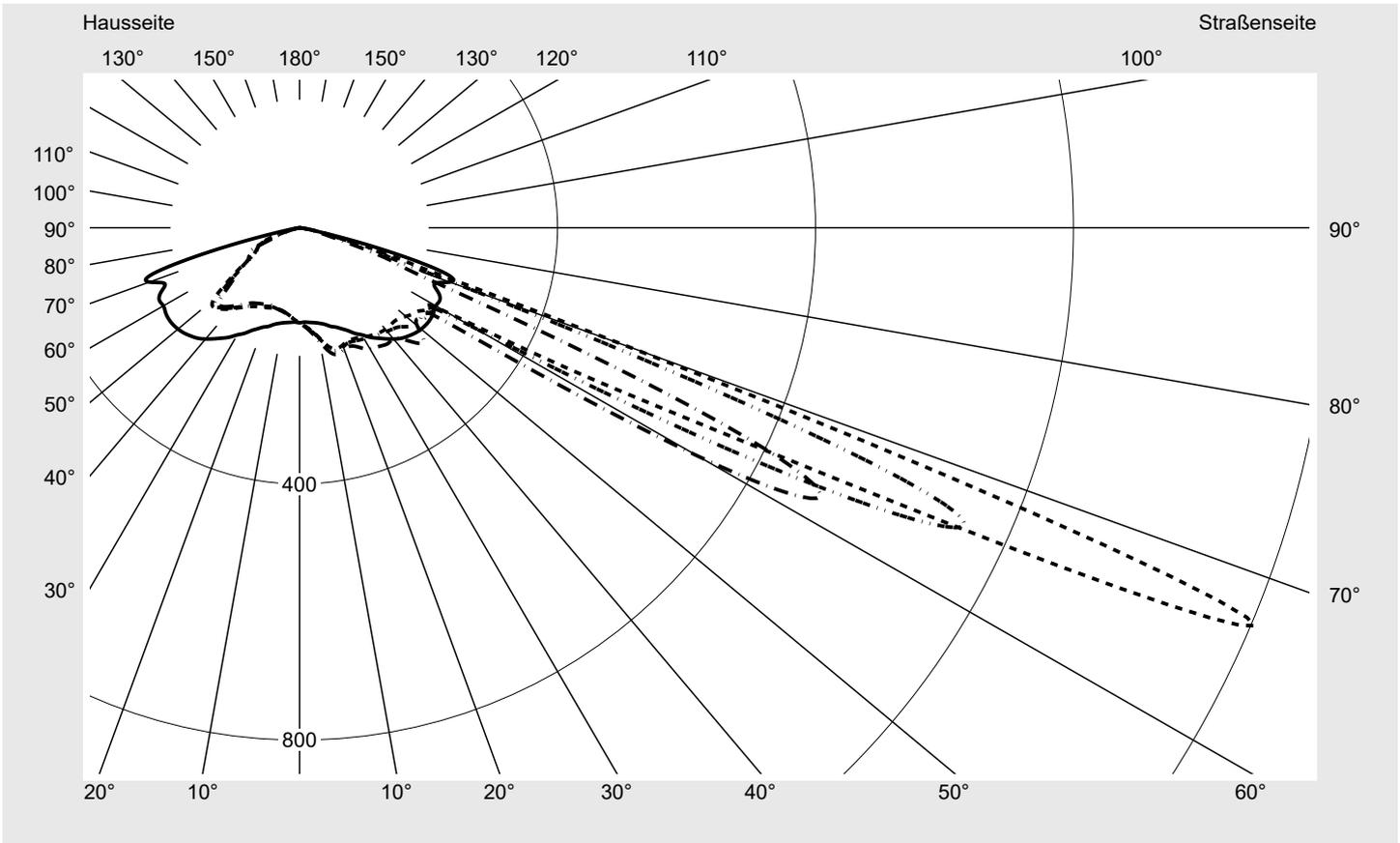
C180-0

C245-65

C250-70

C270-90

Imax: 1590 cd/klm



Leuchtenbetriebswirkungsgrade

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

Lichtstärkeklasse nach EN13201-2

Klasse: G3
 Imax 70° 732.5
 Imax 80° 42.5
 Imax 90° 0.0
 Imax >90° 0.0
 Imax >95° 0.0

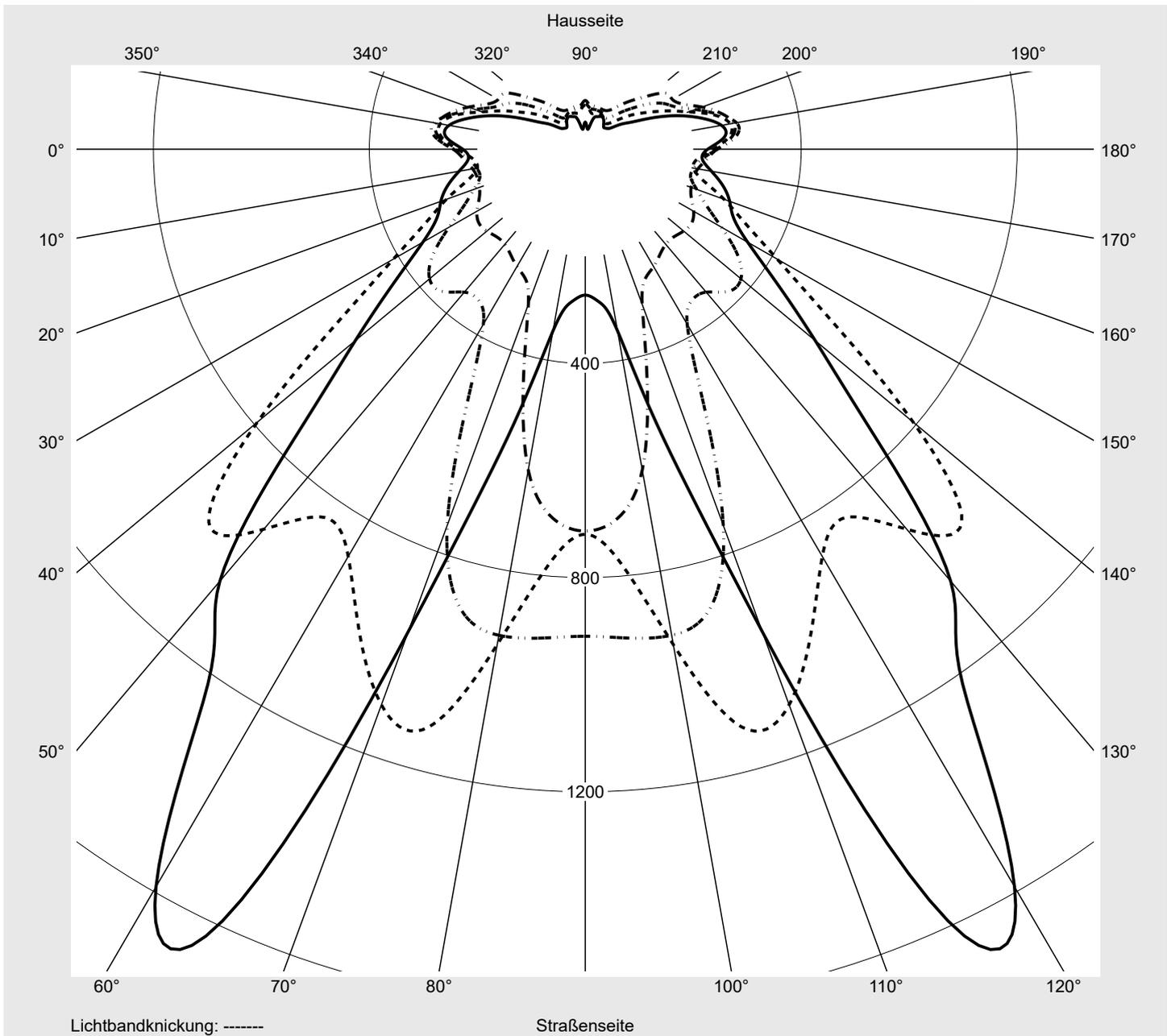
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 67.5°** **KMK 65°** **KMK 62.5°** **KMK 60°** **siteco**



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Familie Streetlight 31 midi	Bestell-Nr.: 5XH313AT08LA EAN: 4069025511706	LP-Nummer 59800_3177
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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2,5°	147.5	147.7	148.2	148.8	149.3	149.7	150.1	150.5	151.0	151.2	151.6	152.0	152.3
5,0°	148.1	148.8	149.6	150.5	151.5	152.4	153.2	153.9	154.7	155.3	155.9	156.5	157.1
7,5°	149.3	150.3	151.6	152.8	154.2	155.5	156.6	157.8	159.2	160.4	161.7	162.9	164.0
10,0°	150.8	152.3	153.6	155.1	156.9	158.6	160.3	162.3	164.5	166.7	168.7	170.7	172.7
12,5°	153.2	154.9	156.6	158.7	161.0	163.3	165.3	167.1	169.4	172.2	175.8	179.6	183.1
15,0°	156.6	158.5	160.8	163.5	166.3	169.0	171.4	173.6	175.7	177.6	180.4	185.5	191.1
17,5°	161.5	163.7	165.7	168.4	171.4	174.3	177.0	179.5	181.8	183.8	185.5	187.5	192.4
20,0°	165.1	168.5	171.0	174.1	176.3	178.8	181.5	183.8	186.0	187.6	188.7	189.3	190.8
22,5°	170.7	173.7	176.7	179.6	182.3	183.8	185.7	187.4	188.8	189.6	190.1	190.2	190.2
25,0°	177.2	180.3	182.5	185.8	188.3	189.3	190.1	191.0	191.1	191.4	191.6	192.0	191.8
27,5°	185.9	187.9	189.7	191.7	194.6	195.2	194.7	194.3	194.0	193.7	193.9	193.9	193.7
30,0°	193.0	195.9	197.3	198.4	199.8	200.4	199.0	197.8	197.0	196.3	196.3	195.7	195.6
32,5°	202.5	203.8	204.8	205.0	204.9	205.6	203.7	201.6	199.4	198.4	198.6	198.6	199.0
35,0°	210.3	211.7	211.9	210.9	210.1	210.0	208.0	204.8	201.9	200.3	200.6	200.9	201.8
37,5°	218.4	218.5	218.4	216.2	214.8	213.6	210.9	207.5	204.3	202.5	202.1	202.7	204.0
40,0°	226.6	225.1	223.4	220.3	218.2	215.7	213.8	210.8	207.0	204.7	204.0	204.1	205.2
42,5°	233.9	229.3	226.2	222.7	220.0	216.1	214.2	213.0	209.1	206.7	205.1	204.2	205.2
45,0°	238.8	233.5	229.0	224.6	221.7	216.2	212.8	211.8	211.0	208.6	204.5	203.3	204.4
47,5°	243.2	236.1	230.3	225.1	221.5	216.3	212.1	210.9	212.5	209.4	204.2	202.8	204.8
50,0°	246.0	237.2	229.9	225.1	220.2	215.7	212.4	211.6	213.0	212.0	205.2	203.7	207.3
52,5°	247.8	236.6	228.3	223.7	218.6	215.2	213.5	211.8	210.7	212.9	207.8	206.9	211.4
55,0°	247.9	234.2	225.4	219.4	216.5	215.7	216.1	213.7	212.2	214.1	211.4	211.0	218.0
57,5°	246.4	228.9	221.1	214.7	212.3	214.4	219.6	220.1	220.0	219.1	218.0	220.4	228.4
60,0°	243.9	225.0	211.8	206.9	208.6	216.7	231.6	240.5	237.9	231.7	231.9	240.8	253.2
62,5°	245.1	216.4	204.0	202.1	219.7	247.1	291.2	344.6	376.5	375.3	348.5	344.6	377.6
65,0°	236.7	208.7	203.4	226.2	273.6	326.7	410.6	554.3	792.9	986.2	926.4	839.9	878.2
67,5°	226.9	217.7	237.4	264.1	284.6	303.0	347.4	430.5	556.2	758.6	1053.1	1218.6	1590.2
70,0°	247.8	237.5	209.5	169.9	135.0	120.2	130.6	174.7	263.5	365.7	478.5	659.1	732.5
72,5°	237.4	161.0	89.1	48.3	32.5	27.6	30.4	46.4	88.7	160.3	213.7	229.6	201.1
75,0°	143.2	55.4	21.7	14.2	13.6	13.8	14.9	18.8	28.2	61.4	101.5	106.9	95.1
77,5°	47.8	12.0	8.4	8.7	8.8	9.4	9.5	11.9	15.3	23.0	44.7	49.6	46.2
80,0°	13.7	5.3	5.2	5.5	5.6	5.7	6.0	6.7	8.9	11.1	18.7	22.1	20.1
82,5°	3.8	2.8	2.8	2.9	3.1	3.2	3.2	3.4	4.4	5.6	6.8	8.0	8.3
85,0°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.5	1.8	1.8	2.0	2.1
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2,5°	152.7	153.0	153.2	153.2	153.4	153.5	147.3	146.7	146.6	146.4	146.0	145.8	145.7
5,0°	157.7	158.3	158.9	159.4	159.7	159.8	147.5	146.6	145.9	145.4	144.6	143.9	143.4
7,5°	164.8	165.6	166.6	167.6	168.5	168.9	148.1	146.7	145.7	144.6	143.5	142.5	141.5
10,0°	174.1	175.2	176.1	177.8	179.7	180.5	149.0	147.3	145.9	144.4	143.0	141.7	140.4
12,5°	186.1	188.0	188.5	190.1	192.9	194.3	150.8	148.8	147.0	145.2	143.5	141.9	140.2
15,0°	194.9	198.0	198.7	199.3	202.4	204.2	154.3	152.0	150.0	147.7	145.6	143.7	141.8
17,5°	197.2	200.0	201.4	200.6	203.1	205.6	158.6	155.9	153.1	150.5	148.2	146.3	144.5
20,0°	195.1	197.8	199.4	199.1	199.8	202.0	161.7	159.2	156.4	153.9	151.3	148.9	146.6
22,5°	192.1	194.9	196.8	197.2	198.2	200.5	166.8	164.9	162.7	159.7	156.7	153.4	150.1
25,0°	192.1	195.5	198.7	199.8	200.6	204.2	174.1	171.6	170.1	166.6	162.7	158.2	153.9
27,5°	193.7	197.8	203.2	205.9	206.1	212.2	182.4	180.0	177.2	174.5	169.6	164.3	158.6
30,0°	196.7	200.2	207.1	210.2	209.8	218.5	190.8	188.8	185.8	181.5	177.2	170.1	163.2
32,5°	200.4	202.9	207.4	209.5	209.7	221.2	199.9	198.2	195.3	190.2	183.6	177.8	169.1
35,0°	202.9	205.8	207.0	209.1	210.0	224.4	209.9	208.8	206.0	200.2	191.7	183.5	177.5
37,5°	205.5	207.9	208.8	209.9	211.5	226.8	219.1	219.1	216.5	210.2	201.5	192.0	184.1
40,0°	207.0	211.0	212.6	213.1	218.3	225.8	228.5	229.5	227.3	220.6	211.3	201.3	193.2
42,5°	207.4	214.2	217.3	222.1	232.8	235.9	237.6	239.8	238.5	230.8	220.7	210.2	201.3
45,0°	207.1	218.9	229.5	232.8	249.5	253.7	244.8	249.2	248.9	240.5	228.6	216.9	207.7
47,5°	209.7	228.2	240.7	241.1	256.8	261.3	251.4	257.6	256.9	247.5	234.2	221.7	212.8
50,0°	215.2	234.1	242.8	237.7	238.9	238.1	257.2	265.4	263.4	251.7	236.4	223.8	214.8
52,5°	220.9	235.8	236.6	229.8	233.4	232.8	261.7	271.8	267.6	251.8	235.1	223.1	213.7
55,0°	226.4	234.2	231.6	229.7	237.8	239.0	266.0	276.0	268.4	248.8	227.1	214.3	207.5
57,5°	233.5	241.3	246.5	256.4	286.3	304.6	270.1	278.4	265.8	240.1	211.7	198.4	196.3
60,0°	265.0	308.4	442.0	608.3	691.7	713.1	273.1	279.1	259.9	230.0	199.5	186.2	181.8
62,5°	512.4	747.5	889.7	921.7	916.4	909.5	280.5	284.4	253.3	217.1	186.3	169.9	148.4
65,0°	991.5	1104.2	1116.7	939.4	778.8	719.2	267.7	272.8	247.1	203.7	169.4	138.4	114.7
67,5°	1590.2	958.6	558.5	344.6	285.8	272.4	258.6	256.3	223.6	182.9	139.3	102.3	81.7
70,0°	537.1	294.1	225.4	185.0	161.2	154.1	255.2	236.8	199.7	151.2	100.0	71.6	52.6
72,5°	165.8	135.8	113.3	93.1	80.6	77.3	268.9	225.8	168.3	106.4	67.9	42.9	32.0
75,0°	81.3	69.7	58.1	47.9	41.3	39.0	209.6	194.3	131.3	68.9	39.4	24.4	21.9
77,5°	41.1	35.1	29.8	23.1	20.4	19.4	113.2	119.8	81.1	38.2	18.0	12.0	10.3
80,0°	19.4	18.5	14.4	12.2	10.1	9.5	35.9	42.5	34.6	17.3	8.0	5.5	5.5
82,5°	9.4	8.3	6.4	5.4	4.6	4.3	5.9	6.3	6.7	4.6	3.1	2.9	2.8
85,0°	2.8	2.5	2.1	1.7	1.6	1.6	1.2	1.2	1.3	1.3	1.2	1.2	1.3
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	0.2	0.2
2,5°	145.4	145.3	145.0	144.9	144.8	144.7	144.6	144.6	144.7	144.9	144.9	1.8	2.0
5,0°	142.7	142.2	141.7	141.3	140.9	140.6	140.4	140.3	140.3	140.3	140.3	3.6	5.6
7,5°	140.6	139.6	138.8	138.1	137.6	137.0	136.8	136.6	136.6	136.5	136.5	5.4	10.9
10,0°	139.1	138.0	136.9	136.1	135.2	134.5	133.9	133.6	133.7	133.7	133.6	7.3	18.2
12,5°	138.7	137.3	136.1	134.9	133.7	132.7	131.9	131.5	131.4	131.8	131.8	9.3	27.5
15,0°	140.0	138.1	136.2	134.7	133.4	132.2	131.4	131.0	130.7	130.7	130.7	11.4	38.8
17,5°	142.5	140.2	138.4	136.2	134.2	132.2	130.6	129.3	128.7	128.6	128.8	13.4	52.3
20,0°	144.2	141.9	140.0	137.4	135.3	133.0	131.0	129.5	128.6	128.3	128.7	15.4	67.7
22,5°	147.1	144.0	141.1	138.8	137.2	134.9	132.7	130.9	129.7	129.2	129.8	17.5	85.2
25,0°	150.2	146.7	143.4	140.7	138.4	136.9	134.9	132.9	131.3	130.7	131.5	19.8	105.0
27,5°	153.7	149.7	146.2	143.2	140.7	139.1	137.1	135.3	133.7	132.7	133.4	22.2	127.1
30,0°	157.3	153.1	149.3	146.2	143.5	141.8	140.3	138.2	136.7	135.6	136.0	24.6	151.7
32,5°	162.1	157.6	154.1	150.9	147.7	146.0	144.9	142.3	140.4	139.2	139.3	27.1	178.9
35,0°	169.0	164.0	160.6	157.1	153.9	151.5	149.5	147.5	145.4	144.5	145.2	29.8	208.7
37,5°	178.8	171.9	168.3	164.4	160.7	157.8	155.9	154.3	152.1	150.8	152.0	32.6	241.2
40,0°	185.7	181.5	176.5	172.6	168.7	165.3	163.3	161.4	159.8	158.8	159.4	35.4	276.7
42,5°	193.6	188.5	185.1	180.2	176.1	172.4	170.4	169.0	167.7	167.1	167.0	38.3	315.0
45,0°	200.4	194.5	191.9	186.5	182.4	178.5	176.3	175.0	173.8	173.2	172.7	41.1	356.1
47,5°	205.3	199.5	194.5	190.9	185.5	182.2	179.7	176.1	172.4	170.3	168.9	43.6	399.7
50,0°	208.4	201.3	194.6	191.6	184.2	173.6	162.9	154.0	148.2	146.2	145.4	44.8	444.5
52,5°	206.4	199.4	191.9	178.7	162.3	145.0	134.4	128.6	126.0	125.2	126.9	45.3	489.8
55,0°	200.5	191.0	170.8	149.3	134.4	119.4	111.2	108.0	106.6	106.9	113.6	45.5	535.3
57,5°	187.9	163.3	140.7	121.7	106.4	96.3	91.1	91.9	92.2	90.7	95.9	46.2	581.5
60,0°	156.2	131.6	111.6	93.4	83.4	80.7	81.0	81.4	81.8	83.6	91.0	54.7	636.2
62,5°	122.4	100.3	81.4	71.0	71.2	74.7	75.5	76.2	75.9	78.9	84.8	71.9	708.1
65,0°	91.4	71.9	62.2	62.1	67.3	71.5	71.2	69.9	68.0	76.5	82.1	98.8	806.9
67,5°	61.6	55.3	53.3	60.0	66.6	67.6	64.6	59.9	41.5	39.8	50.4	92.9	899.8
70,0°	41.4	43.0	52.6	58.9	58.4	53.9	42.9	19.0	17.9	28.3	40.2	49.4	949.3
72,5°	31.6	38.8	44.5	44.5	38.5	31.6	16.1	14.2	13.4	20.8	26.1	24.8	974.0
75,0°	25.4	29.3	31.2	27.4	22.3	15.1	12.2	10.5	9.6	12.1	13.2	14.0	988.0
77,5°	11.8	16.6	15.7	12.8	11.4	9.8	8.8	7.0	5.7	5.6	6.5	7.1	995.1
80,0°	5.8	6.3	6.9	6.8	6.3	5.8	5.2	4.0	2.9	1.7	1.4	3.1	998.2
82,5°	3.0	3.3	3.5	3.5	3.8	3.3	2.9	2.2	1.7	1.3	1.1	1.2	999.4
85,0°	1.3	1.4	1.5	1.5	1.5	1.5	1.4	1.3	1.1	1.0	1.0	0.4	999.8
87,5°	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.2	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 31 midi	Bestell-Nr.: 5XH313AT08LA EAN: 4069025511706	LP-Nummer 59800_3177
Dimmstufen-Tabelle		siteco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13360	86.5	90.0	88.2
95	239	252	12686	81.3	84.5	82.9
90	225	250	12044	76.4	79.4	77.9
85	210	247	11343	71.2	74.0	72.6
80	196	245	10675	66.4	69.0	67.7
75	182	242	9996	61.7	64.0	62.8
70	169	239	9351	57.2	59.4	58.3
65	156	236	8700	52.8	54.8	53.8
60	143	233	8039	48.3	50.2	49.2
55	130	229	7364	43.9	45.6	44.8
50	117	226	6682	39.6	41.1	40.4
45	104	221	5986	35.3	36.6	36.0
40	92	217	5338	31.3	32.5	31.9
35	80	212	4681	27.5	28.5	28.0
30	68	206	4012	23.6	24.4	24.0
25	56	199	3338	19.8	20.5	20.2
20	44	190	2655	16.1	16.6	16.4
16	34	180	2079	12.8	13.3	13.0

Dimmstufen-Tabelle

Umgebungstemperatur: 5°C

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13650	87.6	91.1	89.4
95	239	252	12950	82.3	85.6	83.9
90	225	250	12283	77.4	80.5	79.0
85	211	247	11607	72.5	75.4	74.0
80	197	245	10918	67.6	70.2	68.9
75	183	242	10221	62.8	65.2	64.0
70	170	239	9561	58.3	60.6	59.4
65	157	236	8892	53.9	55.9	54.9
60	143	233	8164	49.0	50.9	50.0
55	131	230	7526	44.8	46.6	45.7
50	118	226	6831	40.4	42.0	41.2
45	105	222	6123	36.1	37.5	36.8
40	93	217	5462	32.2	33.3	32.8
35	81	212	4795	28.2	29.2	28.7
30	69	206	4117	24.3	25.1	24.7
25	57	199	3434	20.5	21.1	20.8
20	45	191	2742	16.6	17.2	16.9
15	34	180	2101	13.0	13.5	13.2

Lichttechnischer Prüfbefund

Familie Streetlight 31 midi	Bestell-Nr.: 5XH313AT08LA EAN: 4069025511706	LP-Nummer 59800_3177
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Dimmstufen-Tabelle	Umgebungstemperatur: 15°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13520	87.1	90.5	88.8
95	239	252	12832	81.8	85.0	83.4
90	225	250	12177	76.9	79.9	78.4
85	211	247	11511	72.0	74.8	73.4
80	197	245	10831	67.2	69.8	68.5
75	183	242	10143	62.4	64.8	63.6
70	169	239	9440	57.6	59.8	58.7
65	156	236	8779	53.2	55.2	54.2
60	143	233	8110	48.6	50.6	49.6
55	130	229	7426	44.2	45.9	45.0
50	117	226	6736	39.8	41.3	40.6
45	105	222	6087	35.8	37.2	36.5
40	93	217	5433	31.9	33.0	32.4
35	80	212	4715	27.7	28.7	28.2
30	68	206	4040	23.8	24.6	24.2
25	56	199	3360	20.0	20.6	20.3
20	45	191	2730	16.5	17.1	16.8
15	34	180	2092	12.9	13.4	13.2

office

industry

traffic

retail

public

sports

Lichttechnischer Prüfbefund

Familie
Streetlight 31 midi

Bestell-Nr.: 5XH313AT08LA
EAN: 4069025511706

LP-Nummer
59800_3177

Lichtstrom-Tabelle

siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	13360.0	86.5
5.0	13650.0	87.6
15.0	13520.0	87.1