

Lichttechnischer Prüfbefund

Familie
Streetlight 31 midi toolless

Bestell-Nr.: 5XH713AT08QA
EAN: 4069025513960

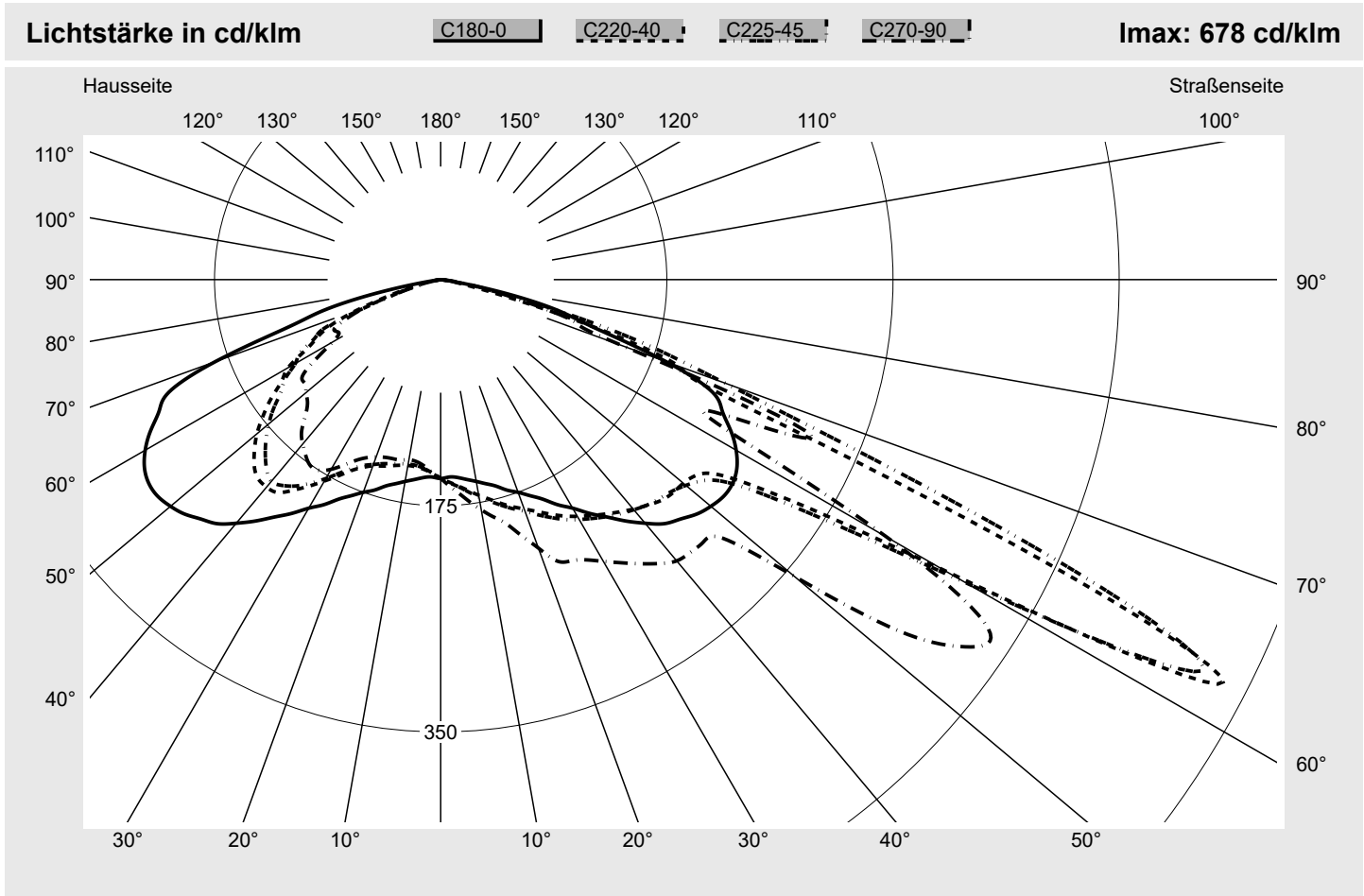
LP-Nummer
59798_2430



Ausführung Mastansatz- / Mastaufsatzmontage, Smart Interface oben/unten
Optik asymmetrisch strahlend (PL32G)
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO - Smart Interface
Bemessungswerte Nettolichtstrom = 24260 lm
Systemleistung = 163.3 W
Lichtausbeute = 148.6 lm/W

Seriendokumentation
26.08.2025





Leuchtenbetriebswirkungsgrade		Lichtstärkeklasse nach EN13201-2	
Eta	100.0%	Klasse:	G3
Eta 0° - 90°	100.0%	Imax 70°	623.9
Eta 90° - 180°	0.0%	Imax 80°	57.0
		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

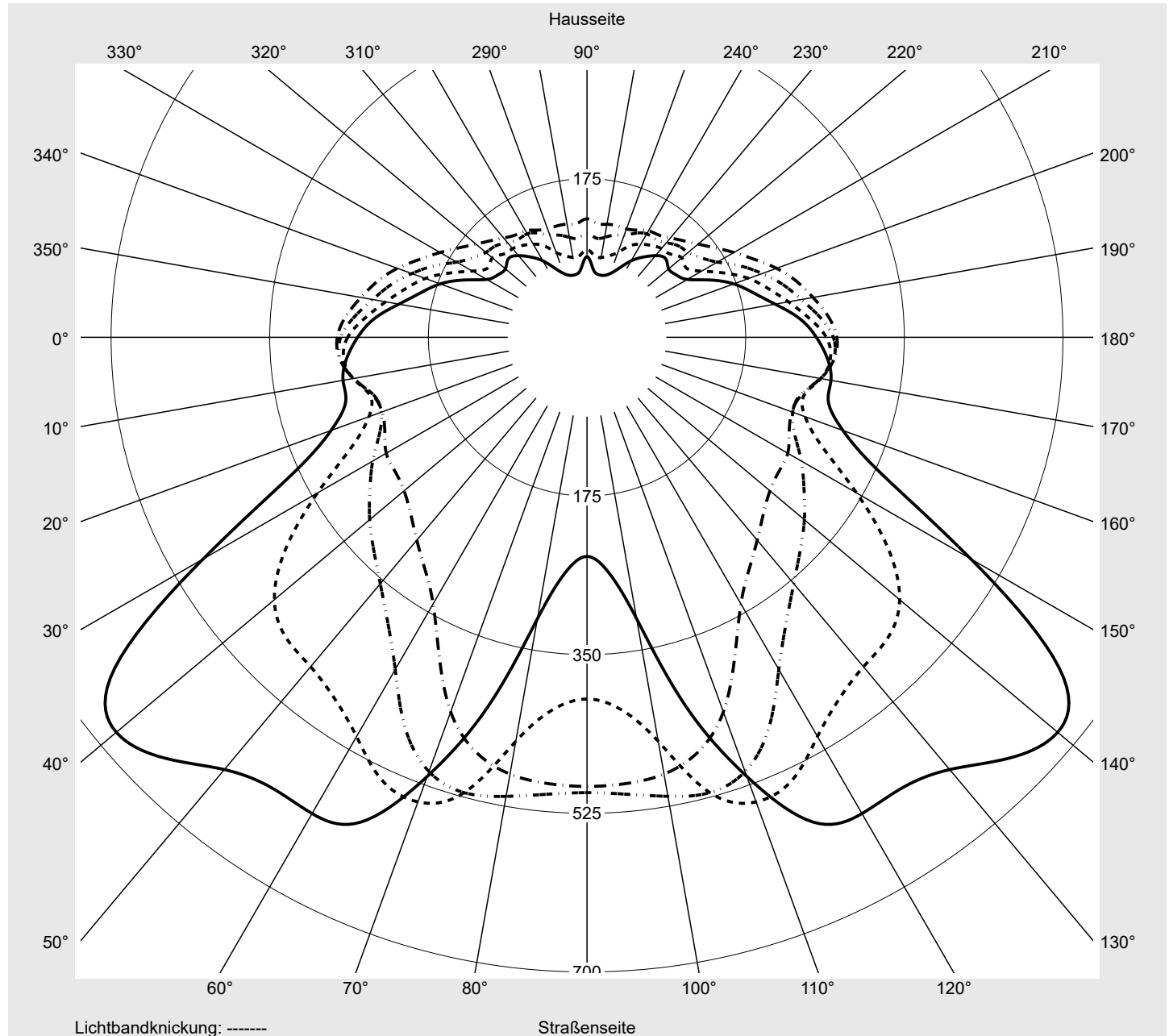
KMK 62,5°

KMK 60°

KMK 57,5°

KMK 55°

siteco



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Familie Streetlight 31 midi toolless				Bestell-Nr.: 5XH713AT08QA EAN: 4069025513960								LP-Nummer 59798_2430	
Wertetabelle Lichtstärkemessung												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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9
2,5°	152.9	153.3	153.8	154.4	154.9	155.4	156.0	156.5	157.0	157.5	157.9	158.3	158.7
5,0°	153.8	154.6	155.4	156.5	157.5	158.3	158.9	159.7	160.5	161.0	161.6	162.2	162.9
7,5°	156.0	157.1	158.0	159.2	160.3	161.4	162.4	163.6	164.7	165.8	166.8	167.8	168.6
10,0°	158.6	159.8	160.7	162.1	163.6	165.0	166.3	167.8	169.4	170.8	172.3	173.6	174.7
12,5°	161.8	162.9	164.3	166.1	167.9	169.6	171.0	172.5	174.0	175.6	177.3	178.9	180.3
15,0°	165.4	166.9	168.3	170.4	172.5	174.3	176.0	177.5	179.2	180.7	182.1	184.2	186.5
17,5°	170.8	172.0	173.2	175.2	177.0	179.0	180.8	182.5	184.2	185.9	187.6	189.5	193.3
20,0°	175.2	177.6	179.4	180.6	182.3	183.8	185.4	187.0	188.9	190.8	193.3	195.6	198.8
22,5°	181.0	183.3	185.4	187.4	188.4	189.3	190.5	192.0	194.2	197.0	200.2	203.5	206.3
25,0°	187.6	190.1	191.6	193.7	195.1	195.1	195.8	197.7	200.2	203.2	206.9	210.2	213.0
27,5°	196.4	198.0	199.0	200.0	201.5	201.5	201.7	203.7	206.2	209.3	212.5	215.7	218.7
30,0°	204.2	206.2	206.7	206.7	207.3	207.7	207.4	209.4	211.5	214.4	217.0	219.4	222.1
32,5°	214.5	215.1	214.9	213.5	212.7	212.7	212.5	214.6	216.5	219.1	221.3	223.8	226.6
35,0°	224.3	224.9	223.5	220.7	217.8	217.6	217.3	220.0	221.5	223.9	226.4	229.1	232.2
37,5°	235.5	234.4	231.5	226.7	222.7	222.0	221.6	224.9	226.7	228.3	230.7	233.9	237.1
40,0°	246.1	244.1	238.9	231.2	227.0	225.6	225.6	229.6	231.8	232.5	234.7	237.4	240.3
42,5°	256.1	251.5	243.7	234.8	230.4	228.4	229.6	234.7	236.8	236.6	237.3	239.0	242.2
45,0°	262.1	258.4	248.9	238.5	233.4	230.6	232.6	238.8	241.5	239.6	239.3	241.4	245.8
47,5°	268.6	264.5	253.2	241.5	235.7	233.5	235.8	240.9	243.9	242.5	242.8	246.1	252.5
50,0°	272.9	269.4	256.7	243.7	237.1	236.9	240.1	244.1	245.1	247.7	250.1	255.0	265.8
52,5°	275.7	272.4	259.2	245.1	239.2	241.2	245.9	248.1	248.9	255.6	263.8	274.7	290.4
55,0°	275.5	273.8	261.2	245.1	240.6	246.1	255.7	258.3	263.4	275.1	292.1	311.9	339.5
57,5°	271.7	273.1	261.7	244.1	241.5	252.6	273.0	292.3	313.0	332.6	354.8	383.3	423.1
60,0°	264.0	269.5	261.9	247.8	256.0	286.6	343.4	405.3	450.2	469.1	474.4	485.9	508.4
62,5°	253.0	266.1	273.3	275.7	300.5	360.4	488.8	635.9	677.8	656.9	622.4	606.6	606.6
65,0°	240.3	274.2	286.5	273.7	264.1	275.7	311.3	384.1	511.5	564.9	556.9	590.7	600.5
67,5°	227.7	249.1	236.1	196.9	168.4	167.8	182.1	207.7	249.4	360.6	503.8	535.0	349.3
70,0°	185.7	185.4	184.1	169.0	150.8	152.0	157.7	172.3	195.9	234.0	284.0	366.9	498.5
72,5°	126.9	155.2	171.0	150.9	111.5	93.7	90.0	103.8	134.0	166.6	192.6	201.1	236.6
75,0°	96.9	117.8	119.7	83.1	44.1	31.7	30.5	39.5	61.7	98.4	139.1	154.4	150.9
77,5°	60.5	54.0	41.1	25.1	13.3	11.4	11.3	14.3	24.0	44.4	79.4	107.8	98.4
80,0°	22.7	9.2	5.9	6.4	6.7	6.7	6.6	7.4	10.8	16.5	36.0	55.9	57.0
82,5°	4.1	2.8	3.0	3.2	3.4	3.5	3.5	3.8	4.8	7.4	13.0	24.0	27.7
85,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.5	2.0	2.7	5.0	6.9
87,5°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7
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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	
2,5°	159.1	159.4	159.7	159.8	159.9	160.0	152.4	151.8	151.6	151.3	150.9	150.6	150.4	
5,0°	163.7	164.5	165.1	165.6	166.1	166.3	152.8	151.7	150.9	150.3	149.5	148.7	148.0	
7,5°	169.4	170.2	171.2	172.3	173.2	173.6	154.4	152.8	151.7	150.4	149.3	148.1	147.1	
10,0°	175.5	176.3	177.2	178.7	180.2	180.9	156.5	154.6	153.1	151.7	150.1	148.7	147.4	
12,5°	181.6	182.5	183.3	184.9	187.0	188.0	159.7	157.3	155.6	153.7	152.0	150.4	148.5	
15,0°	188.7	190.7	191.4	192.4	194.5	195.4	163.4	160.8	158.9	156.9	154.7	152.7	150.9	
17,5°	198.0	202.0	204.3	204.2	206.1	207.7	168.2	165.4	162.6	160.0	157.6	155.4	153.3	
20,0°	206.1	212.8	217.8	217.6	218.8	221.0	172.1	169.3	166.3	163.1	160.2	157.5	155.2	
22,5°	211.5	220.9	227.4	228.6	229.6	235.8	177.3	174.5	171.9	168.2	164.7	161.6	159.2	
25,0°	216.0	224.8	231.2	232.8	233.2	240.0	184.4	180.8	178.1	174.8	170.8	167.5	165.0	
27,5°	220.8	226.8	232.8	234.6	234.6	244.5	192.9	189.3	185.7	183.1	179.7	176.3	173.6	
30,0°	224.8	229.3	236.4	238.7	238.5	251.8	201.8	198.4	194.5	190.6	188.8	185.4	182.4	
32,5°	229.5	233.4	241.7	245.6	245.0	259.8	211.7	208.7	205.0	201.0	197.7	196.5	192.8	
35,0°	234.9	238.7	246.3	252.1	252.4	268.4	222.9	220.0	216.2	212.5	208.5	205.4	204.0	
37,5°	240.1	243.6	251.3	261.6	263.1	277.0	234.2	231.2	227.2	223.4	219.2	215.1	210.2	
40,0°	243.8	247.9	256.6	273.9	278.8	284.1	245.3	242.2	237.9	233.5	228.7	223.0	216.7	
42,5°	246.4	252.9	262.7	285.1	288.5	286.1	255.1	251.8	247.3	241.9	235.3	227.8	219.2	
45,0°	251.6	260.7	270.1	282.6	289.1	287.3	261.5	259.0	254.5	247.6	239.1	229.2	216.9	
47,5°	261.0	273.6	281.2	289.3	296.3	296.3	266.6	262.3	257.3	249.7	238.9	225.6	210.4	
50,0°	279.0	298.4	311.8	330.3	349.0	357.1	270.0	263.8	255.6	246.5	233.4	217.1	200.4	
52,5°	315.1	351.1	385.6	420.3	441.3	446.2	270.7	260.9	250.0	237.0	221.3	205.0	187.3	
55,0°	386.3	439.7	473.6	489.2	494.1	495.4	267.0	253.2	239.2	222.5	203.6	187.1	172.2	
57,5°	474.9	509.7	520.2	514.1	506.0	502.2	257.7	240.1	224.0	205.6	186.4	165.9	153.3	
60,0°	537.7	545.3	519.2	452.5	411.2	399.0	245.7	225.6	207.2	189.8	167.7	146.1	133.5	
62,5°	590.0	515.5	421.5	315.3	258.8	241.7	235.6	210.7	189.9	172.3	149.6	127.7	120.1	
65,0°	483.5	302.1	187.1	194.0	243.5	258.9	209.5	187.8	172.2	155.2	131.6	112.6	104.5	
67,5°	189.2	219.9	403.6	398.0	335.1	304.9	192.4	159.6	147.1	135.6	113.1	96.5	91.2	
70,0°	623.9	488.5	293.6	190.4	158.1	150.3	173.4	146.1	127.2	114.7	96.8	80.7	75.9	
72,5°	266.8	208.4	157.0	131.3	114.1	109.4	118.5	122.0	114.7	96.9	76.6	64.1	54.6	
75,0°	143.3	125.1	104.9	89.5	77.5	73.1	62.5	68.5	86.0	79.6	61.7	45.1	32.8	
77,5°	87.4	73.2	61.5	52.2	46.1	43.5	37.1	27.9	43.3	49.7	37.5	21.9	11.8	
80,0°	48.8	40.2	34.1	29.5	25.5	23.9	17.2	9.9	14.2	20.5	16.7	6.9	6.2	
82,5°	23.2	19.1	15.7	13.5	11.6	10.9	3.9	3.1	3.7	4.7	4.1	3.1	3.1	
85,0°	7.4	6.0	4.9	4.0	3.5	3.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	
87,5°	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	
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												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°	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	153.9	0.2	0.2
2,5°	150.1	149.8	149.7	149.6	149.4	149.3	149.3	149.3	149.3	149.4	149.4	1.8	2.1
5,0°	147.4	146.7	146.1	145.7	145.4	145.0	144.8	144.8	144.8	144.9	144.9	3.7	5.8
7,5°	146.1	145.0	144.3	143.6	143.0	142.5	142.1	142.1	142.1	142.2	142.1	5.6	11.3
10,0°	146.1	145.0	143.9	143.2	142.4	141.8	141.3	141.2	141.3	141.4	141.5	7.5	18.9
12,5°	147.1	145.9	144.8	143.9	143.2	142.7	142.5	142.6	142.8	142.9	143.0	9.6	28.5
15,0°	149.1	147.5	146.3	145.0	144.1	143.4	142.9	142.9	143.0	143.3	143.4	11.7	40.2
17,5°	151.3	149.3	147.8	147.0	146.1	145.1	144.5	144.0	143.9	143.9	144.2	14.0	54.2
20,0°	153.3	152.2	151.1	150.0	149.0	148.1	147.2	146.4	145.9	145.8	146.1	16.4	70.7
22,5°	157.3	155.7	154.9	154.3	153.1	152.0	150.8	149.8	149.0	148.7	149.1	19.0	89.6
25,0°	162.9	161.3	160.4	159.5	158.9	157.6	156.3	155.0	154.1	153.6	154.2	21.6	111.3
27,5°	171.1	168.6	168.0	167.0	166.0	165.1	163.7	162.7	161.7	161.1	161.6	24.4	135.7
30,0°	179.9	177.7	176.3	175.3	174.1	172.9	171.9	170.8	169.7	169.1	169.5	27.4	163.1
32,5°	189.5	186.7	185.2	183.1	181.4	180.1	179.0	177.4	176.0	175.1	175.0	30.5	193.6
35,0°	198.9	194.9	192.0	189.5	186.2	183.6	181.9	179.0	176.9	175.6	175.8	33.6	227.2
37,5°	207.6	200.8	196.1	191.4	185.8	181.2	178.5	175.5	173.1	171.7	171.5	36.5	263.8
40,0°	209.5	203.8	195.1	187.8	180.7	175.2	171.9	169.1	166.9	165.8	166.0	39.3	303.0
42,5°	209.0	199.4	190.8	181.1	173.4	167.7	164.3	161.7	159.7	159.1	159.3	41.7	344.7
45,0°	204.0	191.9	183.0	172.6	165.1	159.6	156.3	152.5	149.3	147.7	147.8	43.7	388.4
47,5°	195.4	183.3	173.3	165.6	156.8	149.0	143.9	140.5	138.4	138.2	139.8	45.6	434.0
50,0°	185.6	173.6	164.0	154.2	144.2	138.5	137.0	136.0	134.9	134.8	136.0	48.2	482.2
52,5°	173.2	162.6	152.2	141.9	140.0	135.1	132.1	130.8	129.2	128.9	132.2	52.1	534.3
55,0°	160.0	150.6	143.1	137.8	135.7	130.5	127.3	127.3	126.6	126.0	130.8	56.4	590.7
57,5°	145.7	142.6	136.2	132.0	131.8	126.7	119.8	116.6	111.9	110.1	114.6	60.7	651.4
60,0°	136.4	129.9	127.7	123.8	118.6	111.3	99.7	93.1	89.3	90.6	96.7	65.1	716.5
62,5°	117.5	122.6	117.6	108.0	97.4	84.2	74.8	70.7	70.4	75.9	88.8	70.5	787.0
65,0°	105.1	107.7	103.0	86.6	70.4	62.2	58.9	58.0	57.6	65.6	91.0	59.1	846.2
67,5°	91.4	95.9	78.9	58.2	51.3	50.5	50.5	45.2	40.7	48.6	78.6	48.7	894.8
70,0°	68.4	57.8	51.5	42.6	42.2	44.3	38.5	25.7	21.0	30.1	60.3	43.2	938.0
72,5°	43.3	34.9	32.5	34.1	37.1	35.6	20.9	16.3	17.0	20.4	34.9	27.8	965.8
75,0°	25.0	22.6	25.6	29.5	28.0	20.4	14.3	12.0	11.5	12.4	17.2	17.6	983.3
77,5°	11.6	14.3	17.1	18.0	15.2	11.7	10.3	8.3	6.8	6.6	10.8	9.5	992.9
80,0°	6.5	7.0	8.1	8.5	8.0	7.4	6.3	4.9	3.3	2.0	1.6	4.4	997.3
82,5°	3.3	3.6	4.1	4.1	4.3	4.1	3.3	2.5	1.9	1.2	1.0	1.9	999.2
85,0°	1.4	1.5	1.6	1.6	1.7	1.7	1.5	1.3	1.0	0.9	0.9	0.6	999.8
87,5°	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	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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Dimmstufen-Tabelle Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	24260	163.3	178.2	170.8
95	238	252	23032	152.5	166.4	159.4
90	223	249	21835	142.4	155.4	148.9
85	208	247	20587	132.7	144.5	138.6
80	194	244	19402	123.4	134.5	129.0
75	180	241	18184	114.2	124.5	119.4
70	167	239	17021	105.9	115.2	110.6
65	153	235	15748	96.9	105.4	101.2
60	140	232	14544	88.6	96.3	92.4
55	127	229	13314	80.5	87.4	84.0
50	115	225	12165	73.0	79.2	76.1
45	102	221	10889	65.0	70.5	67.8
40	90	216	9696	57.6	62.4	60.0
35	78	211	8479	50.3	54.5	52.4
30	66	205	7245	43.2	46.5	44.8
25	55	198	6096	36.9	39.6	38.2
20	43	189	4828	29.9	32.1	31.0
15	32	178	3650	23.6	25.3	24.5
10	21	163	2457	16.6	18.0	17.3
9	18	157	2129	14.3	15.5	14.9

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	25030	165.2	180.3	172.8
95	239	252	23805	155.1	169.1	162.1
90	224	249	22534	144.9	158.1	151.5
85	210	247	21313	135.7	147.8	141.8
80	195	244	19980	125.7	136.8	131.2
75	182	242	18801	117.1	127.5	122.3
70	168	239	17502	107.9	117.5	112.7
65	155	236	16277	99.5	108.2	103.8
60	142	233	15033	91.2	99.1	95.2
55	129	229	13767	82.9	90.0	86.4
50	116	225	12483	74.7	81.1	77.9
45	104	221	11279	67.3	72.8	70.0
40	92	217	10057	59.8	64.7	62.2
35	79	211	8713	51.7	55.9	53.8
30	68	206	7562	45.1	48.5	46.8
25	56	199	6287	38.0	40.8	39.4
20	44	190	4998	31.0	33.3	32.2
15	33	179	3804	24.6	26.3	25.5
10	21	163	2484	16.9	18.3	17.6
9	18	157	2153	14.6	15.8	15.2

Lichttechnischer Prüfbefund

Familie Streetlight 31 midi toolless	Bestell-Nr.: 5XH713AT08QA EAN: 4069025513960	LP-Nummer 59798_2430
Dimmstufen-Tabelle Umgebungstemperatur: 15°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	24680	164.2	179.2	171.7
95	238	252	23409	153.5	167.4	160.4
90	223	249	22172	143.3	156.3	149.8
85	209	247	20973	134.2	146.2	140.2
80	195	244	19759	124.8	135.9	130.4
75	181	242	18514	115.6	125.9	120.8
70	167	239	17236	106.6	115.9	111.2
65	154	236	16030	98.2	106.8	102.5
60	141	232	14805	89.9	97.7	93.8
55	128	229	13555	81.7	88.7	85.2
50	116	225	12386	74.2	80.5	77.4
45	103	221	11096	66.2	71.6	68.9
40	91	216	9887	58.7	63.5	61.1
35	79	211	8657	51.3	55.5	53.4
30	67	205	7411	44.1	47.5	45.8
25	55	198	6144	37.1	39.9	38.5
20	44	190	4972	30.7	33.0	31.8
15	32	178	3676	23.8	25.5	24.6
10	21	163	2473	16.7	18.1	17.4
9	18	157	2143	14.4	15.6	15.0

Lichttechnischer Prüfbefund

Familie Streetlight 31 midi toolless	Bestell-Nr.: 5XH713AT08QA EAN: 4069025513960	LP-Nummer 59798_2430
Lichtstrom-Tabelle		siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	24260.0	163.3
5.0	25030.0	165.2
15.0	24680.0	164.2