

Lichttechnischer Prüfbefund

Familie

Streetlight 31 mini toolless



Bestell-Nr.: 5XH6D31R08JA

EAN: 4069025103857

LP-Nummer

59078_612

Ausführung

Mastansatz- / Mastaufsatzmontage, Smart Interface unten

Optik

asymmetrisch, breit strahlend (ST1.0a G)

Abdeckung

Einscheibensicherheitsglas (ESG)

Bestückung

LED 3000 K | CRI ≥ 70

Betriebsgerät

EVG SITECO - Smart Interface

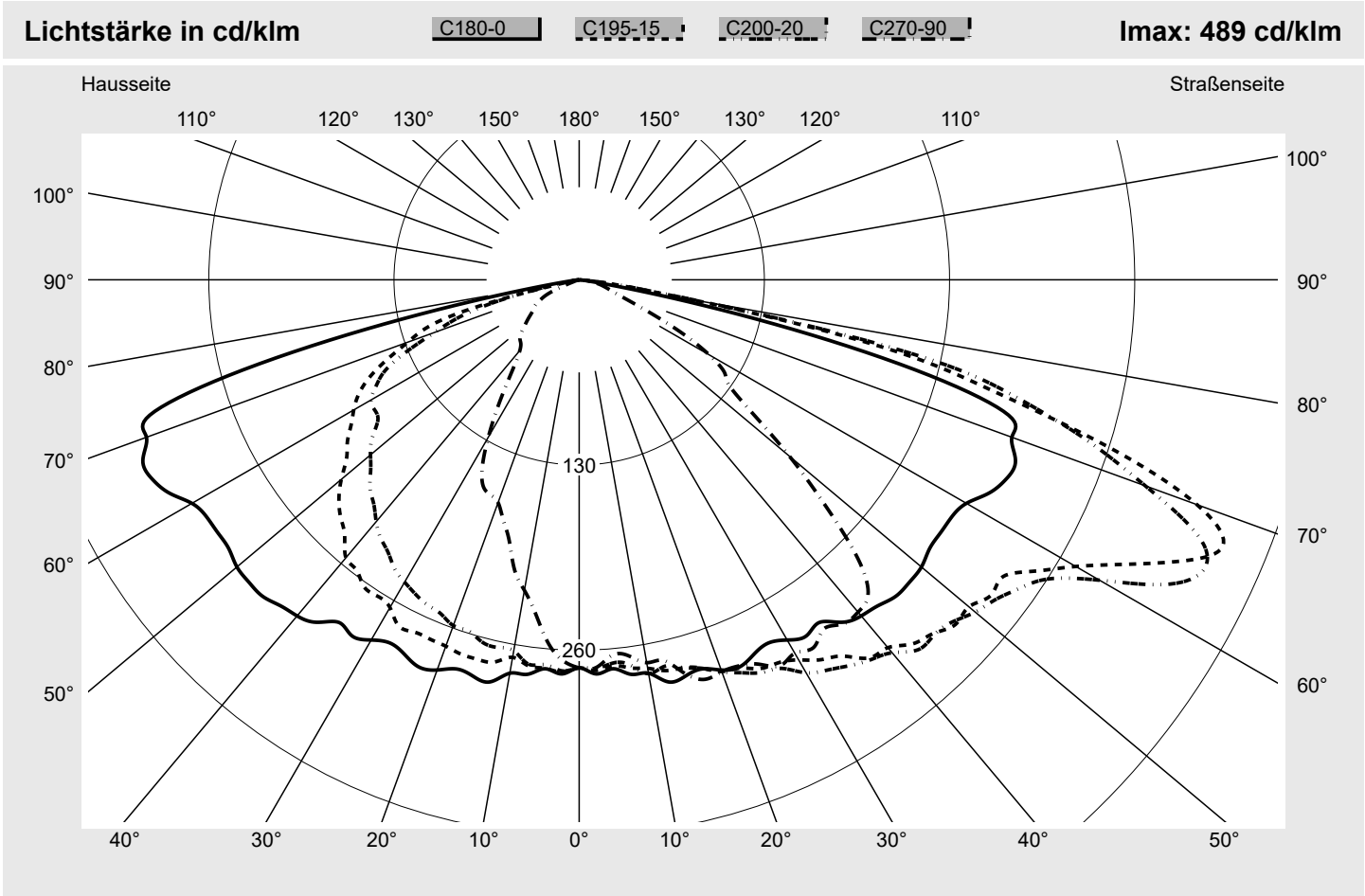
Bemessungswerte

Nettolichtstrom = 12270 lm
Systemleistung = 82.5 W
Lichtausbeute = 148.7 lm/W

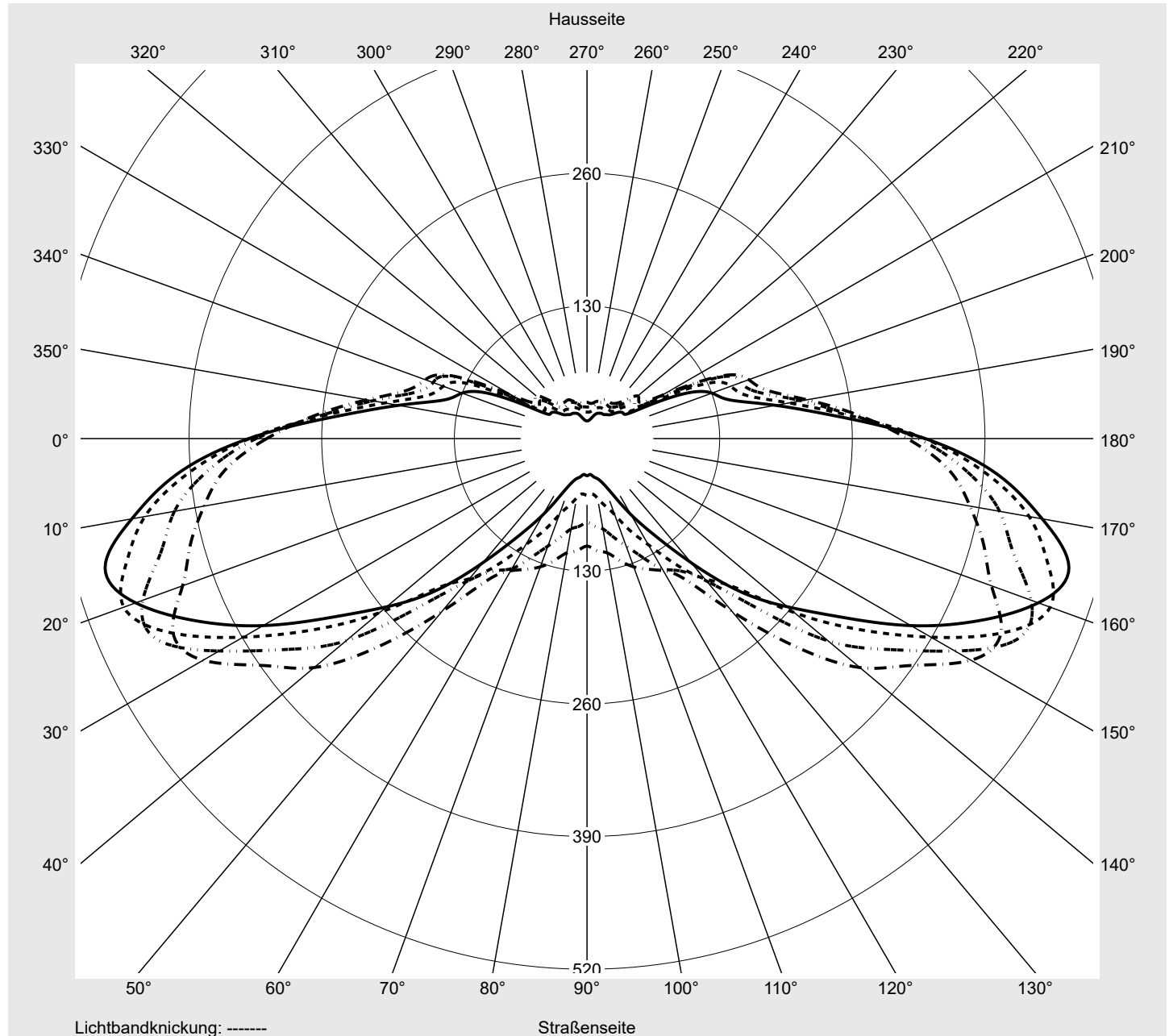
Seriendokumentation

11.04.2024

siteco



Leuchtenbetriebswirkungsgrade		Lichtstärkeklasse nach EN13201-2	
Eta	100.0%	Klasse:	G4
Eta 0° - 90°	100.0%	Imax 70°	461.5
Eta 90° - 180°	0.0%	Imax 80°	96.1
		Imax 90°	0.0
		Imax >90°	0.0
		Imax >95°	0.0
Messbedingungen			
DIN EN 13032 und DIN 5032			

Lichttechnischer Prüfbefund**Familie**
Streetlight 31 mini toolless**Bestell-Nr.: 5XH6D31R08JA**
EAN: 4069025103857**LP-Nummer**
59078_612**Kegelmantelkurven in cd/klm****KMK 67,5°****KMK 65°****KMK 62,5°****KMK 60°****siteco**

Lichttechnischer Prüfbefund

Familie				Bestell-Nr.: 5XH6D31R08JA								LP-Nummer			
Streetlight 31 mini toolless				EAN: 4069025103857								59078_612			
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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5		
2,5°	277.0	276.4	275.2	274.5	273.0	273.7	272.9	273.0	271.2	271.2	271.1	271.2	271.4		
5,0°	274.1	274.0	274.4	271.9	270.1	269.9	268.3	270.2	270.2	270.8	270.6	270.2	268.6		
7,5°	279.4	277.3	274.8	274.9	272.6	273.0	273.3	271.7	269.4	269.4	269.0	268.1	269.4		
10,0°	280.5	276.6	274.8	277.0	280.8	278.6	272.2	269.6	269.1	273.3	273.9	275.3	275.6		
12,5°	289.2	286.8	282.7	281.0	277.9	277.4	280.6	282.2	279.8	279.6	278.5	279.4	279.1		
15,0°	288.1	289.0	288.6	282.0	281.9	284.6	284.1	287.9	291.2	290.4	290.4	287.4	286.6		
17,5°	286.5	287.8	285.5	285.9	286.0	290.2	291.3	295.8	292.3	291.9	293.7	291.6	289.1		
20,0°	291.5	292.4	288.6	292.7	293.0	298.5	297.4	298.5	297.9	297.2	297.4	296.1	295.5		
22,5°	294.2	287.4	289.6	295.1	298.6	301.7	301.5	304.4	301.6	303.0	304.1	302.2	302.9		
25,0°	290.1	291.1	297.6	301.1	304.1	306.9	304.1	310.9	311.8	314.8	310.7	306.6	305.0		
27,5°	287.5	292.3	300.5	303.1	307.5	314.6	310.4	317.0	314.8	313.0	306.9	305.5	309.4		
30,0°	292.0	294.2	306.8	308.2	318.6	321.3	321.7	325.9	317.9	312.7	313.6	314.2	314.2		
32,5°	296.6	303.4	310.5	316.2	324.8	328.0	325.1	324.3	321.7	320.6	319.3	318.8	318.9		
35,0°	293.7	307.9	314.0	322.5	330.7	330.2	333.2	331.9	324.2	323.3	323.9	327.2	329.1		
37,5°	303.1	313.9	324.1	334.6	336.2	339.9	336.6	332.6	330.2	336.0	331.7	335.5	336.0		
40,0°	308.1	323.2	333.3	337.1	341.8	344.1	345.3	335.2	345.8	340.1	337.1	341.4	336.8		
42,5°	310.4	331.9	338.8	346.6	352.2	343.4	360.7	346.8	357.8	348.2	345.1	344.2	337.4		
45,0°	314.3	336.1	345.1	351.3	352.5	350.5	355.5	355.4	363.9	365.9	352.7	349.6	341.3		
47,5°	314.4	339.7	350.1	358.2	355.5	358.5	354.9	364.8	369.6	371.3	360.1	351.7	330.9		
50,0°	313.6	338.4	355.7	357.1	362.9	365.7	359.9	376.6	390.1	379.0	360.1	337.0	305.4		
52,5°	310.1	339.8	351.2	364.1	368.6	376.4	380.3	400.7	411.0	378.8	346.4	308.8	268.0		
55,0°	309.7	336.3	357.1	363.3	377.6	395.3	407.2	415.4	395.9	359.4	318.0	267.3	223.8		
57,5°	310.0	338.2	361.6	380.5	390.8	408.7	436.4	415.4	373.0	331.3	278.8	218.4	176.1		
60,0°	313.9	356.4	381.1	402.5	421.8	447.8	434.4	387.7	349.1	287.7	221.2	169.0	149.6		
62,5°	324.3	374.3	410.6	432.6	463.2	465.3	416.3	360.4	308.4	234.2	182.3	158.2	147.0		
65,0°	330.8	392.8	440.0	467.1	483.1	450.2	389.2	326.5	265.4	207.0	179.3	149.5	120.1		
67,5°	331.5	403.9	453.0	489.0	470.7	422.7	366.6	305.3	256.5	211.8	158.8	115.9	86.0		
70,0°	323.2	394.9	447.7	461.5	422.9	385.2	351.0	344.3	283.9	188.9	118.3	74.2	48.5		
72,5°	316.1	359.3	401.7	388.4	373.1	363.3	394.6	409.8	286.0	144.6	69.3	39.5	28.1		
75,0°	244.1	257.5	289.2	299.7	316.8	366.8	438.0	374.9	196.5	72.3	32.2	23.3	21.1		
77,5°	127.1	147.2	181.9	217.4	238.2	288.7	316.5	219.1	70.5	28.0	20.6	17.9	17.0		
80,0°	33.5	53.0	71.3	80.0	84.1	96.1	90.3	66.5	20.1	17.3	16.8	12.6	12.6		
82,5°	6.2	9.7	17.5	24.9	29.9	37.4	35.4	17.1	10.8	10.9	11.3	8.2	8.1		
85,0°	1.2	1.4	2.0	2.7	3.3	4.8	5.6	4.1	4.1	4.6	5.2	4.0	3.9		
87,5°	0.3	0.4	0.5	0.5	0.6	0.7	0.9	1.0	1.1	1.2	1.5	1.2	1.2		
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		

Lichttechnischer Prüfbefund

Familie Streetlight 31 mini toolless				Bestell-Nr.: 5XH6D31R08JA EAN: 4069025103857								LP-Nummer 59078_612	
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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5
2,5°	271.5	272.2	271.7	270.4	271.3	272.5	277.7	275.7	275.6	274.8	274.5	271.8	269.8
5,0°	268.1	267.6	267.2	266.5	266.4	264.7	276.0	275.8	273.8	271.3	270.7	265.9	261.6
7,5°	270.3	271.6	268.7	269.2	266.8	266.3	278.8	275.9	273.3	272.2	266.5	262.4	258.5
10,0°	279.4	277.9	273.7	272.9	271.2	273.0	280.7	276.5	269.2	264.4	259.9	255.3	249.5
12,5°	278.6	280.8	279.4	279.3	278.5	273.8	288.2	284.0	274.9	264.3	256.9	253.0	246.5
15,0°	285.1	284.0	283.9	287.7	288.0	286.1	289.0	286.8	275.9	263.3	253.3	246.3	239.9
17,5°	290.0	288.1	290.0	288.8	291.7	294.1	287.2	284.3	275.6	258.5	253.6	241.8	228.9
20,0°	293.4	292.3	296.4	290.0	290.0	292.8	293.7	285.3	273.7	258.3	246.8	237.9	222.9
22,5°	298.9	295.2	298.5	293.0	293.5	293.4	291.1	289.6	273.2	253.8	240.0	225.4	215.1
25,0°	303.5	300.9	298.5	297.3	296.1	297.7	289.2	283.4	273.0	251.9	234.0	219.6	206.1
27,5°	304.9	305.2	302.5	301.1	299.3	305.5	291.3	285.0	274.1	248.8	231.4	212.9	194.9
30,0°	312.7	305.3	305.5	302.9	307.6	302.7	288.7	284.3	265.7	245.1	225.0	207.3	188.4
32,5°	319.2	313.3	310.5	312.2	306.2	306.2	283.1	279.6	263.4	240.9	219.4	196.1	184.6
35,0°	323.5	319.3	312.4	309.8	305.1	299.3	286.6	274.8	263.2	233.8	209.8	191.2	183.1
37,5°	329.9	320.0	318.1	311.8	303.1	304.5	285.3	273.8	256.8	228.8	203.4	183.6	178.0
40,0°	326.8	319.2	316.0	314.5	307.7	304.6	283.4	268.2	254.7	221.7	195.2	181.8	177.4
42,5°	328.9	324.7	313.0	313.8	302.9	300.2	281.7	262.2	243.7	213.5	188.7	181.1	170.7
45,0°	329.9	314.5	297.4	287.6	275.9	276.6	282.8	256.2	236.6	207.6	182.1	178.0	160.5
47,5°	308.8	280.5	261.8	246.2	234.1	234.1	281.8	246.6	228.8	198.6	177.3	171.6	143.5
50,0°	269.9	239.9	221.1	206.5	191.4	192.8	272.7	241.8	218.0	191.2	173.4	161.4	125.2
52,5°	227.6	201.2	180.4	164.6	155.8	152.3	269.6	232.4	205.8	183.3	167.5	141.2	105.0
55,0°	184.5	161.5	142.3	135.6	131.5	128.0	268.2	229.8	198.7	172.6	162.6	121.1	89.1
57,5°	150.6	141.1	134.8	129.7	120.0	120.9	267.6	224.3	189.9	170.2	151.9	105.1	75.3
60,0°	141.3	133.7	123.7	113.7	110.2	105.4	266.2	219.0	182.8	168.7	145.2	84.3	62.4
62,5°	128.2	112.1	99.9	90.0	86.2	82.4	261.4	213.3	174.7	160.5	141.7	72.1	56.8
65,0°	99.2	79.4	68.2	59.3	54.4	55.5	258.5	201.1	162.6	150.0	126.5	62.8	50.1
67,5°	61.3	47.3	40.9	38.1	35.3	36.4	247.6	187.6	145.7	130.3	103.1	53.3	43.3
70,0°	35.3	31.8	30.3	27.9	27.8	26.8	240.7	174.2	128.1	108.1	85.0	47.0	35.7
72,5°	25.9	25.3	24.5	22.6	23.1	21.7	230.1	158.9	112.6	89.8	64.6	36.7	31.7
75,0°	20.7	20.5	19.8	18.7	18.3	18.0	194.3	130.2	78.9	63.6	43.0	28.7	26.2
77,5°	16.6	16.2	15.3	14.6	14.3	14.6	118.7	58.0	20.8	29.3	25.7	17.5	17.8
80,0°	11.9	12.1	11.0	10.7	10.4	10.4	32.3	9.7	6.1	12.2	12.9	9.1	9.1
82,5°	8.0	7.6	7.6	7.4	6.9	6.2	5.0	2.7	2.9	3.9	4.1	3.0	1.6
85,0°	3.7	4.1	4.1	3.7	3.3	3.0	1.2	1.0	1.0	0.7	0.6	0.5	0.2
87,5°	1.1	1.3	1.2	1.1	1.0	1.0	0.3	0.2	0.2	0.2	0.1	0.1	0.0
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

Lichttechnischer Prüfbefund

Familie Streetlight 31 mini toolless				Bestell-Nr.: 5XH6D31R08JA EAN: 4069025103857								LP-Nummer 59078_612	
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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	0.4	0.4
2,5°	268.5	268.9	268.2	267.9	268.1	267.2	267.4	267.3	267.8	267.2	267.4	3.2	3.7
5,0°	258.3	254.5	252.2	250.1	250.6	249.2	250.4	252.1	254.6	253.9	255.1	6.3	10.0
7,5°	253.2	249.6	246.9	243.4	241.8	240.1	238.5	238.0	237.2	236.5	235.9	9.4	19.4
10,0°	246.6	241.3	236.8	232.4	231.2	227.8	225.6	222.2	220.8	221.0	221.4	12.4	31.8
12,5°	242.7	233.6	227.3	222.1	217.3	215.3	212.9	212.5	209.4	207.8	209.0	15.4	47.2
15,0°	233.0	224.6	215.3	210.9	206.2	200.4	196.3	196.0	195.2	190.0	189.7	18.4	65.6
17,5°	223.4	215.6	205.0	198.1	192.0	188.0	182.3	180.3	179.7	177.1	177.0	21.1	86.7
20,0°	214.7	202.7	194.1	186.2	181.6	179.9	175.0	171.4	172.3	169.2	166.4	23.9	110.6
22,5°	204.1	193.6	184.4	178.0	171.6	170.7	170.7	168.1	164.5	164.2	163.2	26.7	137.3
25,0°	189.5	182.2	178.9	173.9	167.7	164.7	164.2	162.4	163.3	162.0	159.6	29.4	166.7
27,5°	186.1	181.6	171.6	167.3	164.1	158.7	157.7	154.0	150.5	149.0	147.0	32.0	198.7
30,0°	181.3	178.3	168.4	164.0	159.7	154.5	144.9	141.4	133.3	128.4	127.6	34.5	233.3
32,5°	177.7	168.8	163.3	159.4	151.2	146.4	135.1	123.5	114.9	107.7	107.0	36.9	270.1
35,0°	178.3	165.2	156.5	148.1	142.4	131.6	119.3	106.1	96.7	90.9	87.8	39.0	309.1
37,5°	171.2	159.1	148.6	141.6	129.9	113.6	100.4	89.5	80.3	75.0	73.4	41.2	350.3
40,0°	161.1	148.6	139.0	131.3	114.8	96.2	81.8	73.1	68.4	65.6	64.8	43.1	393.4
42,5°	151.2	140.3	126.0	117.4	100.5	81.3	70.4	66.6	62.3	61.2	60.6	45.0	438.4
45,0°	137.4	125.8	116.7	102.3	84.9	69.6	62.1	58.5	57.5	58.4	58.8	46.2	484.6
47,5°	122.6	111.6	104.9	87.4	70.5	62.3	56.9	55.3	55.3	54.1	55.2	46.5	531.1
50,0°	105.9	101.5	94.5	74.3	62.2	56.1	53.6	51.7	51.0	50.8	49.9	46.3	577.4
52,5°	92.1	89.6	74.0	62.8	54.7	52.6	50.1	48.1	46.4	46.3	45.2	45.6	623.0
55,0°	80.1	75.2	59.7	53.1	49.2	47.3	46.2	43.5	42.4	41.7	40.8	44.6	667.6
57,5°	72.2	65.6	52.2	46.3	45.2	44.5	42.2	40.0	38.3	37.8	37.8	43.9	711.6
60,0°	64.9	53.5	45.3	42.3	42.0	42.0	39.0	37.8	35.5	34.7	35.5	43.4	755.0
62,5°	58.2	46.5	40.2	38.0	38.7	38.9	37.6	35.3	31.6	31.2	30.9	42.7	797.7
65,0°	48.5	38.6	35.4	35.0	33.2	33.2	32.2	30.1	27.6	26.1	25.9	41.1	838.8
67,5°	40.0	33.3	30.7	28.8	28.4	27.4	25.8	22.4	19.4	17.8	17.3	38.7	877.5
70,0°	33.9	28.1	26.6	25.0	23.5	19.0	16.2	11.9	9.1	7.5	6.5	36.0	913.6
72,5°	26.8	22.8	22.0	19.8	14.7	10.1	6.8	4.3	3.5	3.1	3.2	33.2	946.7
75,0°	21.1	16.5	14.5	11.7	7.0	3.9	2.7	1.7	1.5	1.6	1.9	27.1	973.8
77,5°	13.6	9.9	6.4	3.8	2.2	1.3	1.2	0.7	0.6	0.8	1.1	17.1	991.0
80,0°	5.6	2.8	1.3	0.3	0.4	0.2	0.2	0.3	0.2	0.3	0.5	6.1	997.1
82,5°	0.8	0.2	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	2.2	999.3
85,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	999.9
87,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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

Lichttechnischer Prüfbefund

Familie Streetlight 31 mini toolless	Bestell-Nr.: 5XH6D31R08JA EAN: 4069025103857	LP-Nummer 59078_612
Dimmstufen-Tabelle Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	12270	82.5	90.1	86.3
95	238	252	11647	77.0	84.1	80.6
90	223	249	11040	71.9	78.4	75.2
85	208	247	10412	66.9	72.9	69.9
80	194	244	9811	62.3	67.8	65.0
75	180	241	9198	57.6	62.8	60.2
70	166	238	8567	53.0	57.7	55.4
65	153	235	7971	48.9	53.1	51.0
60	140	232	7363	44.7	48.6	46.7
55	127	229	6741	40.5	44.0	42.2
50	115	225	6156	36.8	39.9	38.3
45	102	221	5511	32.7	35.5	34.1
40	90	216	4906	29.0	31.4	30.2
35	78	211	4290	25.3	27.4	26.4
30	66	205	3666	21.6	23.4	22.5
25	55	198	3086	18.4	19.8	19.1
20	43	189	2444	15.0	16.0	15.5
15	32	178	1847	11.8	12.6	12.2
10	21	163	1243	8.4	9.1	8.8
9	18	157	1078	7.2	7.8	7.5

Dimmstufen-Tabelle Umgebungstemperatur: 5°C	
--	--

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	12650	83.5	91.2	87.4
95	239	252	12027	78.3	85.4	81.8
90	224	249	11385	73.2	79.8	76.5
85	210	247	10771	68.4	74.6	71.5
80	196	245	10143	63.7	69.4	66.6
75	182	242	9503	59.0	64.3	61.6
70	168	239	8850	54.5	59.2	56.8
65	155	236	8231	50.2	54.6	52.4
60	142	233	7602	45.9	50.0	48.0
55	129	229	6964	41.8	45.3	43.6
50	116	225	6313	37.6	40.8	39.2
45	104	221	5703	33.8	36.7	35.2
40	92	217	5085	30.0	32.6	31.3
35	79	211	4405	26.0	28.1	27.0
30	67	205	3769	22.3	24.0	23.2
25	56	199	3179	19.0	20.5	19.8
20	44	190	2527	15.5	16.6	16.0
15	33	179	1924	12.3	13.1	12.7
10	21	163	1257	8.5	9.2	8.8
9	18	157	1089	7.3	8.0	7.6

Lichttechnischer Prüfbefund

Familie Streetlight 31 mini toolless	Bestell-Nr.: 5XH6D31R08JA EAN: 4069025103857	LP-Nummer 59078_612
Dimmstufen-Tabelle Umgebungstemperatur: 15°C		sit eco

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	12470	83.0	90.6	86.8
95	239	252	11865	77.8	84.9	81.4
90	224	249	11240	72.7	79.3	76.0
85	209	247	10598	67.7	73.7	70.7
80	195	244	9983	63.0	68.6	65.8
75	181	242	9356	58.3	63.5	60.9
70	167	239	8713	53.7	58.4	56.0
65	154	236	8105	49.5	53.8	51.6
60	141	232	7486	45.3	49.2	47.2
55	128	229	6856	41.2	44.7	43.0
50	115	225	6213	37.0	40.2	38.6
45	103	221	5610	33.3	36.1	34.7
40	91	216	4998	29.5	31.9	30.7
35	79	211	4375	25.8	27.9	26.8
30	67	205	3746	22.2	23.8	23.0
25	55	198	3107	18.6	20.0	19.3
20	44	190	2514	15.4	16.5	16.0
15	32	178	1858	11.9	12.7	12.3
10	21	163	1251	8.5	9.2	8.8
9	18	157	1084	7.2	7.9	7.6

Lichttechnischer Prüfbefund

Familie Streetlight 31 mini toolless	Bestell-Nr.: 5XH6D31R08JA EAN: 4069025103857	LP-Nummer 59078_612
Lichtstrom-Tabelle		siteco

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	12270.0	82.5
5.0	12650.0	83.5
15.0	12470.0	83.0