
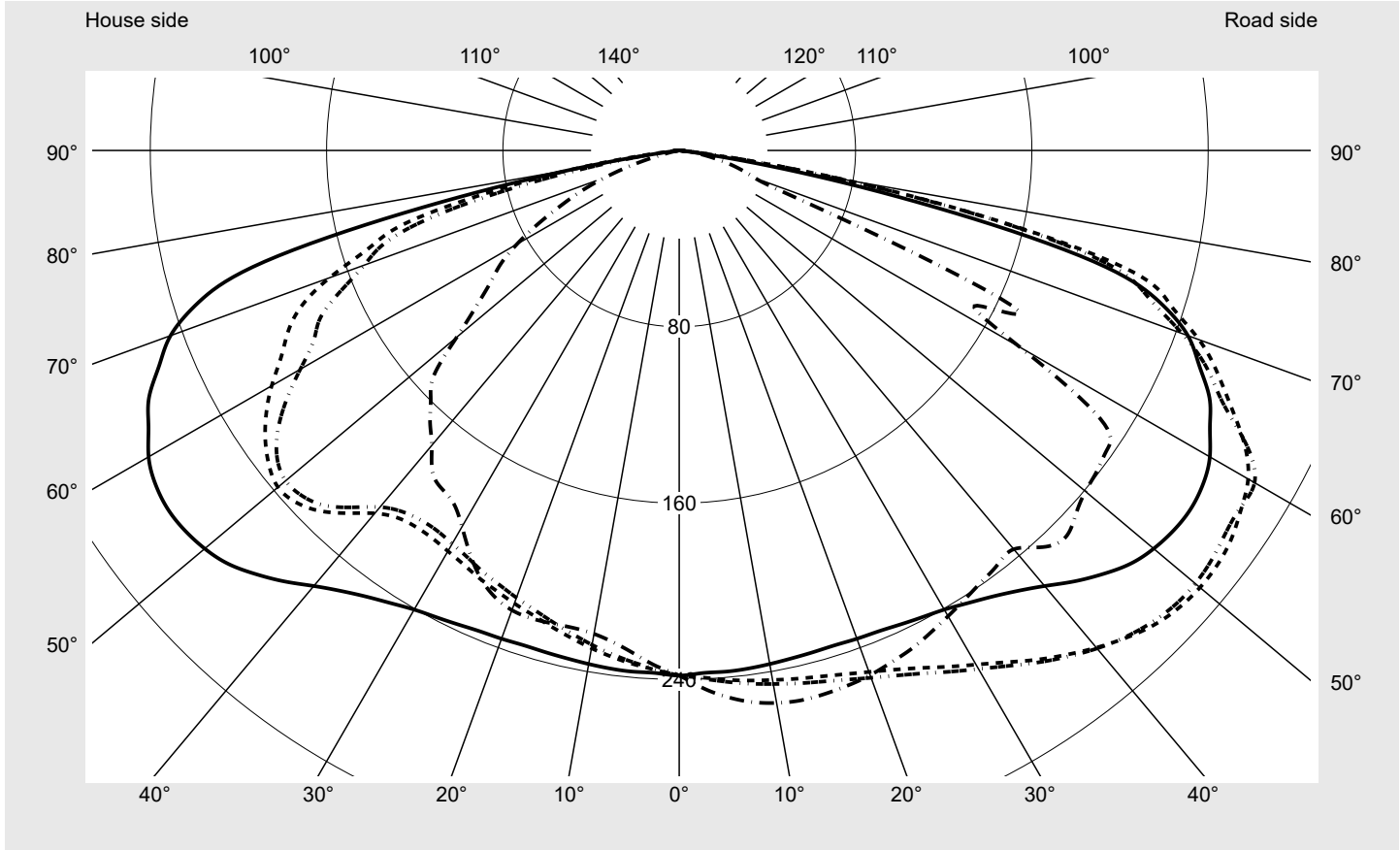


Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7V31T08NA EAN: 4069025100160	LP number 59540_219
	Version post-top or side-entry mounting, Smart Interface up/down Optic asymmetric, extremely wide distribution (P0.5a G) Cover toughened safety glass Lamps LED 3000 K CRI ≥ 70 Controlgear ECG SITECO - Smart Interface Rated values Net luminous flux = 22350 lm Power consumption = 149.5 W Luminous efficacy = 149.5 lm/W	serial documentation 10.04.2024



Luminous intensity in cd/klm C180-0 C200-20 C205-25 C270-90 **Imax: 308 cd/klm**



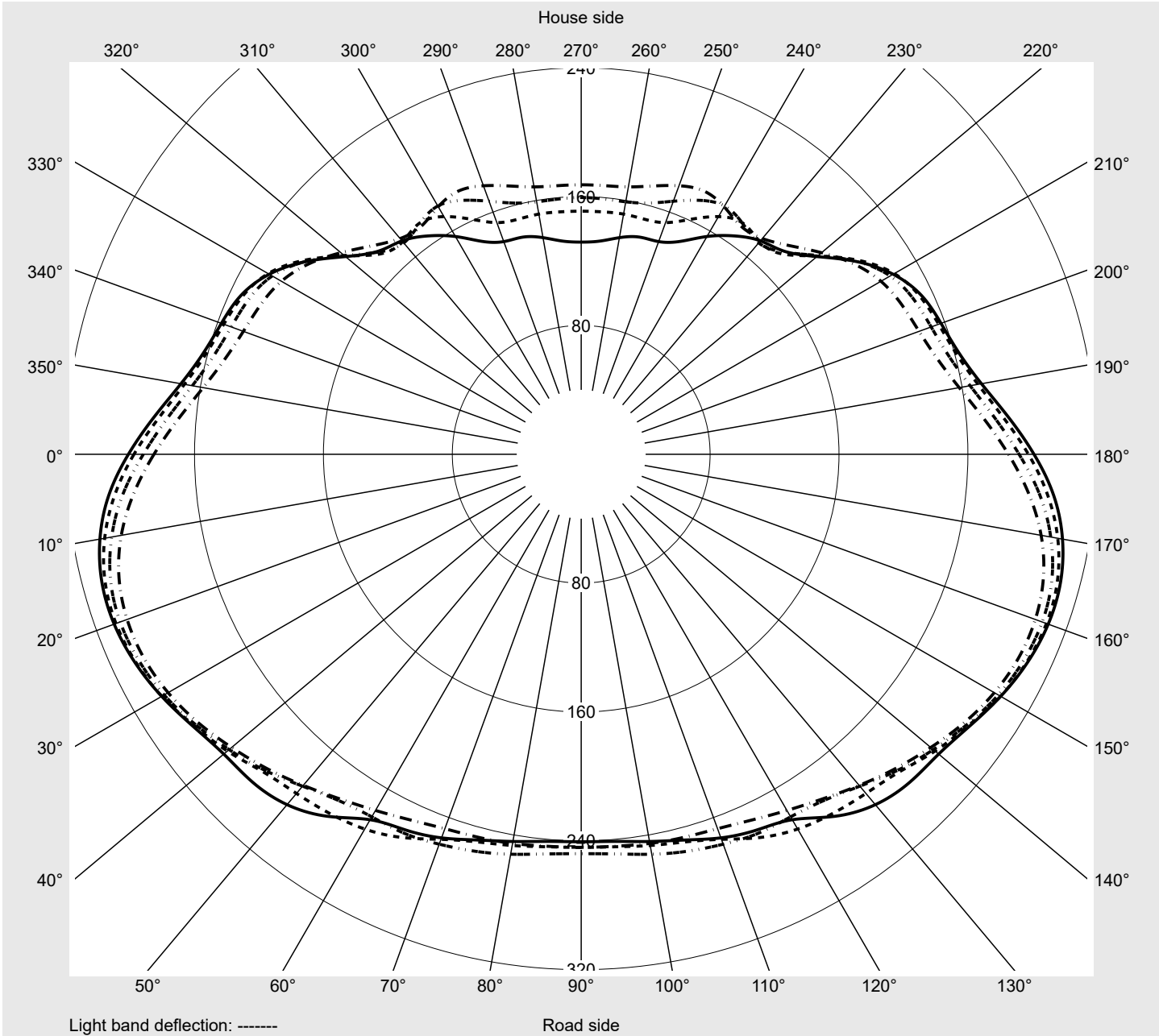
Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%
Measurement conditions	
DIN EN 13032 and DIN 5032	

Luminous intensity class acc. to EN13201-2	
Class:	G6
Imax 70°	256.5
Imax 80°	74.5
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7V31T08NA EAN: 4069025100160	LP number 59540_219
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Envelope curve in cd/klm **KMK 50°** **KMK 47.5°** **KMK 45°** **KMK 42.5°** **siteco**



Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7V31T08NA EAN: 4069025100160	LP number 59540_219
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	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	Luminous intensity in cd/klm												
0,0°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2
2,5°	237.3	237.5	238.1	238.8	239.3	239.9	240.2	240.7	241.5	241.7	242.0	242.5	242.9
5,0°	237.4	238.0	238.8	239.9	241.0	241.9	242.7	243.5	244.6	245.2	245.8	246.5	247.1
7,5°	237.1	238.2	239.5	241.0	242.5	244.0	245.1	246.2	247.5	248.4	249.3	250.0	250.6
10,0°	236.6	238.2	239.9	241.9	243.9	245.8	247.4	248.6	250.0	251.1	252.0	252.6	253.2
12,5°	236.0	238.3	240.4	243.0	245.5	247.6	249.4	250.9	252.2	253.3	254.1	254.7	255.0
15,0°	235.6	238.5	241.1	244.2	247.1	249.5	251.5	253.1	254.1	255.1	255.8	256.2	256.2
17,5°	235.3	239.0	242.1	245.7	249.2	251.8	253.9	255.5	256.4	257.0	257.4	257.2	256.9
20,0°	235.7	240.1	243.9	248.0	251.8	254.6	256.7	258.1	258.5	258.7	258.6	258.0	257.4
22,5°	236.2	241.5	246.0	250.8	255.0	257.8	259.6	260.5	260.4	260.0	259.4	258.4	257.3
25,0°	237.3	243.5	248.9	254.5	259.0	261.8	262.9	262.9	262.2	261.3	260.2	258.6	257.0
27,5°	238.7	246.0	252.9	259.4	264.0	266.6	267.1	266.4	264.7	262.7	260.7	258.6	256.6
30,0°	240.5	249.4	257.8	264.7	269.3	271.6	271.4	269.9	267.6	264.6	261.5	258.8	256.5
32,5°	243.5	253.9	263.5	270.7	275.3	277.3	276.5	274.3	270.9	266.8	262.8	259.6	256.7
35,0°	247.2	259.5	270.1	277.6	282.1	283.6	282.1	279.0	274.6	269.3	264.8	260.4	256.5
37,5°	251.9	265.3	276.5	284.1	288.4	289.4	287.5	283.6	277.9	271.9	266.1	260.9	256.4
40,0°	257.9	272.0	283.3	290.8	294.5	294.9	292.3	287.5	280.9	274.1	267.3	261.3	255.9
42,5°	265.2	278.8	289.9	297.0	299.9	299.5	296.1	290.4	283.2	275.9	268.4	261.2	255.4
45,0°	271.8	285.6	295.9	302.4	304.5	303.0	298.9	292.4	285.3	277.6	269.0	262.5	260.0
47,5°	277.6	290.6	300.3	305.9	307.3	305.1	300.6	293.5	286.7	279.0	274.9	272.2	268.7
50,0°	281.0	294.4	303.3	308.0	308.5	305.7	300.6	294.3	289.6	288.2	284.0	274.4	262.0
52,5°	282.9	296.1	304.6	308.3	308.1	304.7	299.6	297.0	297.9	293.2	280.2	268.9	260.6
55,0°	283.4	296.4	304.5	307.4	306.1	302.7	301.1	302.7	299.0	287.3	277.3	263.0	250.2
57,5°	281.8	294.2	302.3	304.6	302.4	301.8	305.3	302.8	291.1	282.3	265.6	251.7	240.8
60,0°	278.0	289.6	297.4	299.9	298.1	301.4	306.7	298.1	285.4	267.5	252.7	240.4	231.1
62,5°	271.5	282.8	289.9	292.5	289.2	290.5	292.2	289.3	274.8	251.5	238.4	226.6	217.3
65,0°	265.5	275.5	281.2	283.0	276.6	272.6	272.7	269.1	253.6	232.0	217.9	208.5	203.1
67,5°	255.5	265.6	270.2	271.0	264.5	259.5	258.9	247.4	230.6	208.1	193.8	187.1	185.3
70,0°	245.6	253.4	256.5	255.8	251.0	242.8	232.3	218.1	200.6	183.2	168.1	164.4	158.1
72,5°	228.5	234.6	236.2	235.1	233.9	223.7	206.6	186.8	169.6	156.3	143.4	138.9	120.8
75,0°	194.7	195.1	199.0	209.9	213.2	203.6	180.2	156.3	139.6	128.8	118.9	109.7	86.9
77,5°	118.9	121.4	127.9	140.9	149.5	148.0	139.4	124.1	109.0	97.7	88.2	79.3	61.2
80,0°	48.4	49.8	59.9	70.1	74.5	72.8	73.8	68.2	62.2	64.4	61.2	53.2	40.3
82,5°	5.9	5.6	6.9	11.1	15.0	19.9	24.6	26.8	29.1	29.4	28.1	28.6	21.9
85,0°	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.8	5.0	6.4	7.9	7.6	6.5
87,5°	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9
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

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7V31T08NA EAN: 4069025100160	LP number 59540_219
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	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	Luminous intensity in cd/klm												
0,0°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2
2,5°	243.1	243.3	243.5	243.7	244.0	244.1	237.0	236.3	236.1	236.0	235.7	235.4	235.1
5,0°	247.5	247.7	248.2	248.5	248.7	248.9	236.4	235.2	234.6	234.0	233.2	232.7	232.1
7,5°	251.1	251.3	251.7	252.1	252.3	252.4	235.6	234.0	232.8	231.8	230.6	229.8	228.8
10,0°	253.6	253.7	254.0	254.3	254.5	254.5	234.4	232.3	230.7	229.3	227.7	226.4	225.4
12,5°	255.2	255.1	255.2	255.4	255.5	255.5	233.2	230.5	228.3	226.5	224.5	223.1	222.0
15,0°	256.0	255.7	255.5	255.5	255.3	255.2	232.0	228.8	226.1	223.7	221.5	220.0	218.8
17,5°	256.4	255.7	255.2	254.9	254.6	254.5	231.1	227.2	224.0	221.0	218.5	216.8	215.8
20,0°	256.4	255.4	254.5	253.9	253.5	253.3	230.6	226.1	222.2	218.7	215.9	214.1	213.2
22,5°	256.1	254.8	253.4	252.3	251.7	251.4	230.4	225.2	220.5	216.3	213.3	211.4	210.7
25,0°	255.5	253.9	252.2	250.6	249.8	249.4	230.5	224.3	218.9	214.2	210.9	208.9	208.1
27,5°	254.6	252.6	250.7	248.6	247.2	246.8	230.6	223.7	217.2	211.8	208.1	206.1	205.4
30,0°	254.1	251.5	248.9	246.5	244.5	244.0	231.7	223.3	215.8	209.9	206.0	203.9	203.6
32,5°	253.8	250.5	247.2	244.2	242.0	241.4	233.2	223.4	215.0	208.6	204.5	202.8	202.8
35,0°	253.1	249.3	245.3	242.1	239.8	239.0	235.9	224.7	215.1	208.4	204.6	203.2	203.1
37,5°	252.2	248.0	243.9	240.6	237.9	237.1	239.1	226.9	216.7	210.0	206.5	204.9	203.8
40,0°	251.1	246.5	242.5	239.3	236.9	236.2	244.5	231.5	221.4	214.9	211.2	208.5	204.5
42,5°	250.6	247.4	246.2	245.4	244.3	244.1	251.0	238.3	228.9	223.2	219.6	214.8	206.2
45,0°	259.7	257.6	255.2	252.2	249.1	248.0	257.8	245.1	236.2	231.1	227.7	221.4	208.7
47,5°	262.6	254.5	249.2	246.7	244.6	244.1	262.9	250.1	241.1	236.1	232.0	224.4	210.0
50,0°	257.5	253.5	248.0	244.1	241.3	240.6	266.1	252.3	242.8	237.7	233.1	223.6	208.6
52,5°	251.2	244.9	242.1	240.7	239.3	238.9	266.9	251.8	241.0	234.6	229.9	219.4	203.8
55,0°	243.2	238.5	237.3	237.6	236.9	236.9	267.2	250.9	238.0	229.3	222.4	210.0	194.8
57,5°	234.8	231.1	231.4	231.5	228.4	226.6	265.9	248.8	234.0	222.2	211.5	194.5	178.5
60,0°	224.0	222.1	219.2	203.5	185.6	178.7	262.4	244.0	227.9	213.5	198.5	177.2	155.0
62,5°	211.1	203.0	179.8	157.1	151.1	152.4	255.7	235.9	219.2	203.8	187.0	161.9	138.0
65,0°	192.2	167.0	147.6	160.8	169.6	166.4	248.1	226.8	210.5	196.1	179.7	152.0	125.4
67,5°	160.4	132.9	139.7	112.6	79.6	70.0	238.5	217.0	201.7	186.0	166.0	137.5	102.2
70,0°	124.2	113.5	80.1	43.1	37.5	36.7	228.2	207.7	189.6	168.8	152.1	121.0	79.1
72,5°	94.2	70.4	34.4	31.3	30.3	30.0	213.8	196.5	166.3	147.8	140.2	97.8	60.8
75,0°	68.8	33.0	24.9	24.6	23.8	23.5	185.0	166.1	133.3	129.6	114.8	74.9	40.4
77,5°	42.1	18.9	17.8	17.5	16.7	16.4	125.5	104.8	84.8	89.9	72.8	40.0	22.4
80,0°	20.7	11.7	11.4	10.9	10.4	10.2	49.6	44.0	43.6	48.4	32.4	14.5	12.4
82,5°	9.2	6.5	6.2	6.1	5.7	5.6	6.8	6.4	10.9	13.5	8.3	5.6	5.7
85,0°	2.9	2.5	2.5	2.4	2.3	2.2	2.4	2.4	2.4	2.4	2.3	2.2	2.1
87,5°	0.9	0.8	0.9	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	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

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7V31T08NA EAN: 4069025100160	LP number 59540_219
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	0.4	0.4
2,5°	234.8	234.7	234.6	234.3	234.3	234.4	234.5	234.3	234.3	234.2	234.2	2.8	3.2
5,0°	231.3	231.0	230.6	230.1	229.9	229.8	229.7	229.6	229.4	229.4	229.4	5.7	8.9
7,5°	227.9	227.2	226.7	226.2	225.8	225.7	225.5	225.3	225.2	225.3	225.3	8.5	17.4
10,0°	224.2	223.7	223.2	222.7	222.5	222.5	222.4	222.4	222.5	222.6	222.7	11.3	28.7
12,5°	220.9	220.4	220.2	220.2	220.3	220.5	220.8	221.1	221.4	221.7	221.9	14.1	42.8
15,0°	218.0	217.8	218.1	218.5	219.1	219.7	220.3	220.9	221.6	222.0	222.2	16.8	59.6
17,5°	215.5	215.7	216.3	217.2	218.2	219.2	220.1	221.0	221.9	222.4	222.6	19.5	79.1
20,0°	213.3	213.9	214.9	216.1	217.4	218.4	219.3	220.3	221.1	221.7	221.9	22.2	101.2
22,5°	211.0	211.7	213.0	214.3	215.5	216.4	217.1	217.7	218.3	218.9	219.1	24.7	125.9
25,0°	208.4	209.5	210.8	212.0	212.8	213.1	213.1	213.0	213.1	213.4	213.7	27.2	153.2
27,5°	206.1	207.2	208.3	208.7	208.3	207.6	206.7	206.2	205.8	205.7	205.9	29.6	182.8
30,0°	204.5	205.4	205.3	204.4	202.8	200.8	199.0	197.7	197.2	196.9	197.1	31.9	214.7
32,5°	203.4	203.2	201.5	198.8	195.6	192.4	190.2	189.2	189.2	189.8	190.2	34.2	248.8
35,0°	202.5	199.9	195.9	191.3	186.9	183.7	183.2	184.2	185.8	187.0	187.5	36.4	285.3
37,5°	200.6	195.5	189.2	183.4	179.5	178.6	181.2	183.8	184.5	184.1	183.9	38.8	324.0
40,0°	198.0	189.6	181.5	176.2	175.6	179.2	182.3	180.9	177.6	175.3	174.7	41.1	365.1
42,5°	194.7	183.2	174.9	172.9	177.5	180.3	177.4	172.5	168.6	167.4	167.3	43.5	408.6
45,0°	192.0	177.6	171.3	174.8	178.0	174.0	167.2	161.5	159.2	159.1	159.4	45.9	454.5
47,5°	191.5	176.0	172.4	175.1	170.4	161.0	153.1	151.1	151.4	151.1	150.9	47.9	502.4
50,0°	191.0	178.3	173.0	165.5	156.1	145.9	140.5	139.6	136.6	132.9	131.7	49.3	551.6
52,5°	188.5	178.4	165.3	151.1	137.1	128.7	128.3	125.6	119.8	116.5	116.0	50.0	601.7
55,0°	180.5	166.4	147.4	130.9	119.3	117.7	116.1	110.0	105.8	104.4	104.7	50.3	651.9
57,5°	160.7	141.9	126.3	112.6	107.9	108.0	101.5	97.5	96.5	95.8	96.2	49.8	701.7
60,0°	137.1	120.9	107.9	100.7	100.2	95.4	88.5	86.8	86.3	85.0	85.1	48.3	750.0
62,5°	120.2	105.6	96.5	93.8	89.2	80.7	76.1	75.2	74.5	72.5	72.3	46.0	796.0
65,0°	103.2	92.1	87.2	82.7	74.1	66.9	63.7	62.8	63.5	59.8	59.3	43.9	839.8
67,5°	79.9	73.1	69.4	64.1	58.1	54.4	51.9	51.9	53.0	49.0	48.0	39.6	879.5
70,0°	59.9	55.4	52.2	49.6	47.6	45.3	41.9	41.0	41.2	36.5	35.7	34.9	914.4
72,5°	44.5	42.2	40.2	39.5	38.4	35.2	31.1	29.9	28.7	24.4	23.5	30.4	944.8
75,0°	32.9	31.4	31.0	30.7	29.2	25.4	20.6	18.2	15.7	12.8	12.1	25.2	969.9
77,5°	22.0	21.6	20.9	19.9	17.6	14.7	11.7	9.7	7.7	5.2	5.0	17.3	987.2
80,0°	11.8	11.1	10.5	9.8	8.8	7.5	6.0	4.8	3.6	2.0	1.8	8.9	996.1
82,5°	5.5	5.1	4.9	4.6	4.3	3.7	3.0	2.4	1.8	1.1	1.0	2.9	999.0
85,0°	2.0	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.8	0.7	0.7	999.7
87,5°	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.6	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

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7V31T08NA EAN: 4069025100160	LP number 59540_219
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Dimming levels table	environmental temperature: 25°C	siteco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	22350	149.5	163.6	156.6
95	239	252	21254	140.1	152.8	146.4
90	224	249	20127	130.8	142.5	136.6
85	209	247	18969	121.6	132.5	127.0
80	195	244	17862	113.1	123.1	118.1
75	181	242	16727	104.7	113.9	109.3
70	168	239	15659	97.0	105.4	101.2
65	154	236	14487	88.7	96.4	92.6
60	141	232	13381	81.1	88.1	84.6
55	128	229	12253	73.6	79.8	76.7
50	116	225	11195	66.6	72.3	69.4
45	103	221	10030	59.2	64.2	61.7
40	91	216	8935	52.2	56.7	54.4
35	79	211	7827	45.4	49.3	47.3
30	67	205	6702	38.5	41.7	40.1
25	55	198	5559	31.8	34.4	33.1
20	44	190	4500	25.8	27.8	26.8
15	32	178	3331	19.4	20.8	20.1
10	21	163	2246	13.4	14.4	13.9
10	20	161	2147	12.9	13.8	13.4

Dimming levels table	environmental temperature: 5°C
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	23020	151.3	165.6	158.4
95	239	252	21859	141.9	154.7	148.3
90	225	250	20752	133.1	145.0	139.0
85	210	247	19537	123.8	134.8	129.3
80	196	245	18380	115.3	125.4	120.4
75	183	242	17289	107.4	116.7	112.0
70	169	239	16092	98.9	107.5	103.2
65	156	236	14967	91.2	99.0	95.1
60	143	233	13822	83.5	90.6	87.0
55	130	229	12662	75.8	82.3	79.0
50	117	226	11484	68.2	73.9	71.1
45	105	222	10383	61.2	66.3	63.8
40	92	217	9172	53.6	58.1	55.8
35	80	212	8039	46.6	50.6	48.6
30	68	206	6892	39.7	43.0	41.4
25	56	199	5730	32.9	35.6	34.2
20	44	190	4557	26.2	28.3	27.2
15	33	179	3470	20.2	21.7	21.0
10	21	163	2271	13.6	14.6	14.1
9	20	161	2171	13.1	14.0	13.6

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7V31T08NA EAN: 4069025100160	LP number 59540_219
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Dimming levels table	environmental temperature: 15°C	siteco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	22710	150.4	164.6	157.5
95	239	252	21579	141.0	153.7	147.4
90	224	249	20420	131.6	143.4	137.5
85	210	247	19312	123.0	133.9	128.4
80	196	245	18178	114.5	124.6	119.6
75	182	242	17023	106.0	115.3	110.6
70	169	239	15932	98.2	106.7	102.4
65	155	236	14739	89.9	97.7	93.8
60	142	233	13612	82.3	89.3	85.8
55	129	229	12468	74.7	81.0	77.8
50	117	226	11394	67.7	73.4	70.6
45	104	221	10215	60.1	65.2	62.6
40	92	217	9108	53.2	57.7	55.4
35	80	212	7985	46.2	50.2	48.2
30	68	206	6850	39.4	42.6	41.0
25	56	199	5697	32.7	35.3	34.0
20	44	190	4532	26.0	28.0	27.0
15	33	179	3453	20.0	21.5	20.8
10	21	163	2260	13.5	14.5	14.0
10	20	161	2161	13.0	13.9	13.4

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7V31T08NA EAN: 4069025100160	LP number 59540_219
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Luminousfluxs table	siteco
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Temperature °C	Luminous flux lm	Power consumption W
25.0	22350.0	149.5
5.0	23020.0	151.3
15.0	22710.0	150.4