

Photometric test report

Family
LITEPOLE 2

Order number: **5XA5425JF14H**
EAN: **4058352636596**

LP number
58891_24

serial
documentation
24.02.2023

siteco



Version post-top- or mounting to wall arm
Optic direct, symmetric wide distribution
C120009
Cover cover transparent, PMMA
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 2990 lm
Power consumption = 19.3 W
Luminous efficacy = 154.9 lm/W

Luminous intensity in cd/klm

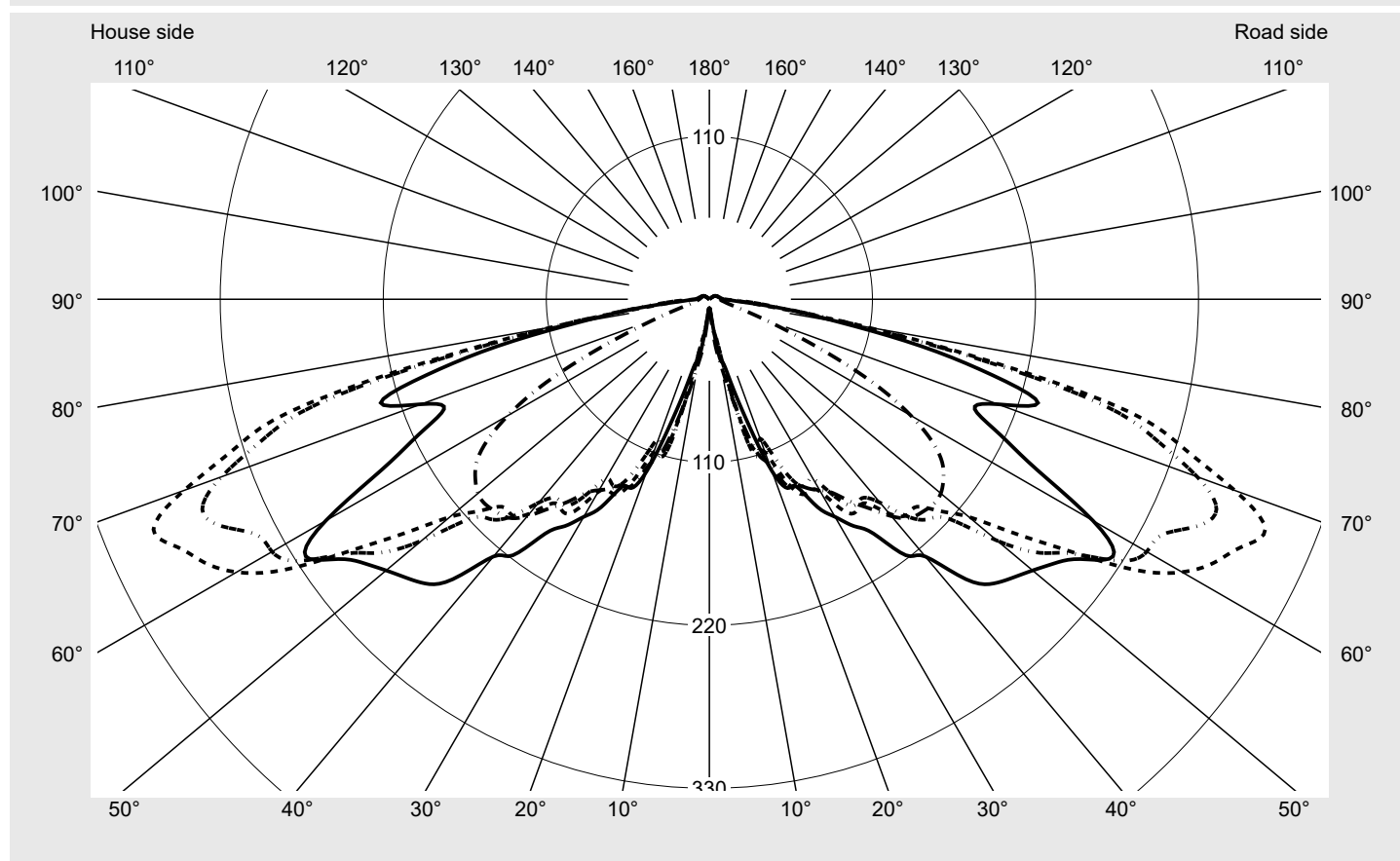
C180-0

C205-25

C210-30

C270-90

Imax: 406 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	97.7%
Eta 90° - 180°	2.3%

Luminous intensity class acc. to EN13201-2

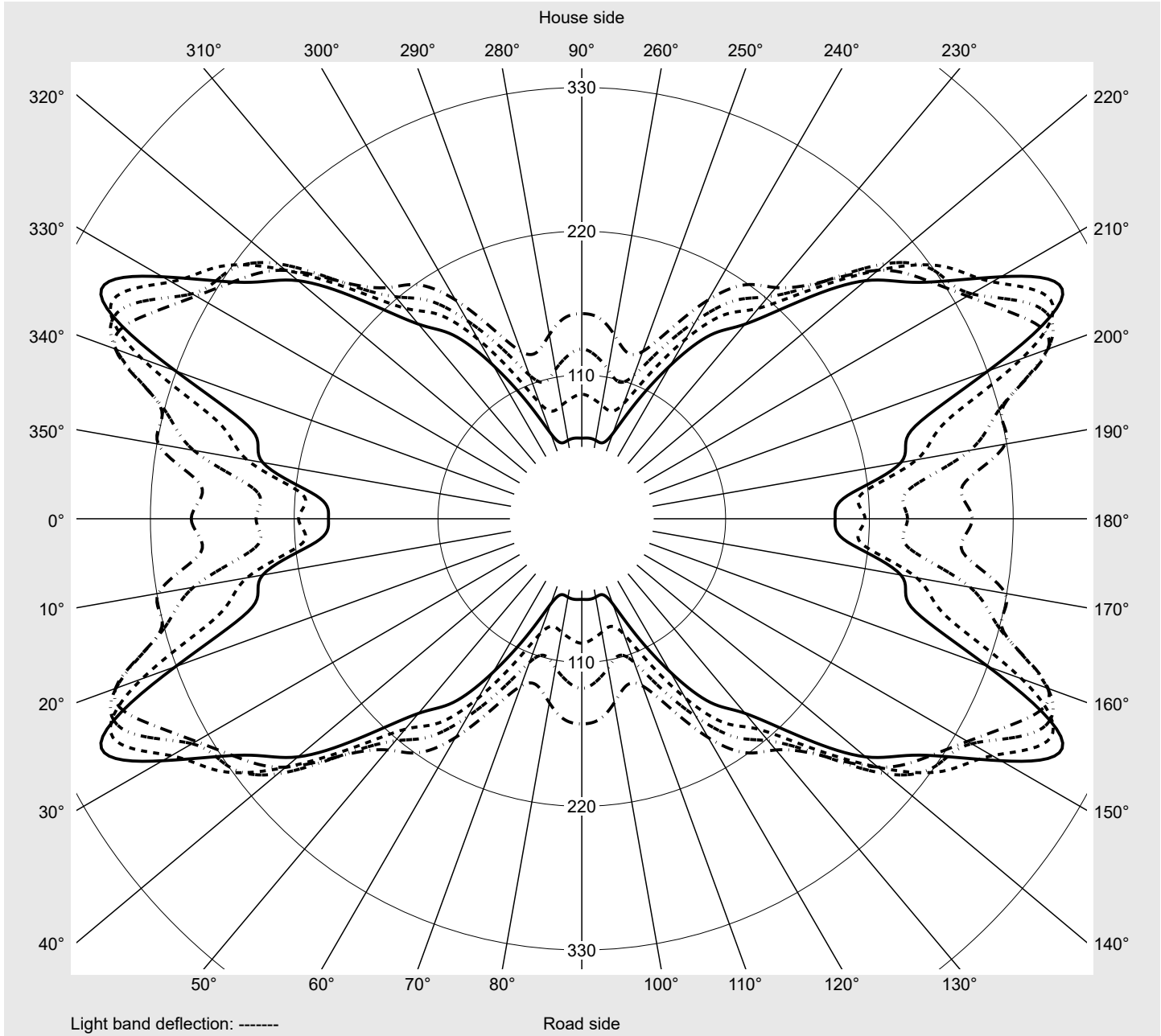
Class:	G2
Imax 70°	377.3
Imax 80°	113.1
Imax 90°	9.2
Imax >90°	8.6
Imax >95°	7.7

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm KMK 67.5° KMK 65° KMK 62.5° KMK 60°		



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Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity in cd/klm									
0,0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2,5°	6.1	6.3	6.2	6.3	6.3	6.3	6.3	6.4	6.4	6.6
5,0°	8.2	8.5	8.5	8.7	8.8	9.1	9.5	9.9	10.3	10.6
7,5°	18.6	18.9	19.3	19.8	19.8	20.0	20.1	20.7	20.7	21.1
10,0°	40.3	39.6	39.2	36.2	32.4	28.6	26.2	26.1	27.6	30.0
12,5°	44.9	46.8	52.6	52.5	54.2	52.9	56.0	57.8	57.7	56.0
15,0°	63.1	60.1	81.1	76.8	78.6	93.3	99.7	79.8	84.5	85.1
17,5°	90.3	83.2	102.1	99.4	112.8	107.8	110.0	95.1	101.6	94.7
20,0°	123.3	131.2	127.6	122.2	120.3	109.9	100.0	98.2	102.4	99.1
22,5°	137.9	126.6	136.4	141.5	138.9	130.3	116.6	110.5	100.6	96.7
25,0°	139.7	132.6	140.0	140.1	147.1	144.8	136.1	124.5	112.3	101.5
27,5°	158.2	138.8	146.5	141.3	143.0	146.1	141.4	135.4	126.3	118.8
30,0°	169.5	166.0	174.3	159.0	154.8	150.1	140.0	137.0	137.3	140.3
32,5°	181.5	173.1	183.8	171.5	170.0	169.8	158.2	152.6	149.5	157.6
35,0°	193.1	193.6	190.0	175.8	174.8	173.7	170.1	169.9	166.4	169.0
37,5°	217.8	215.0	210.7	186.8	181.3	173.5	169.2	187.5	191.8	190.6
40,0°	226.6	224.5	225.4	205.2	203.8	188.9	179.2	193.5	200.9	205.9
42,5°	256.3	232.2	238.1	214.3	210.2	197.4	199.3	209.7	210.6	219.6
45,0°	271.2	252.4	257.5	229.3	218.5	198.0	209.7	227.9	227.3	229.4
47,5°	278.0	270.5	281.5	256.8	233.3	211.8	219.3	237.8	248.7	244.7
50,0°	284.7	280.4	308.9	280.7	254.6	228.5	253.4	262.7	255.9	250.9
52,5°	292.9	288.8	320.4	292.2	276.9	259.4	281.1	285.2	260.2	248.0
55,0°	305.7	291.7	317.8	304.1	304.8	296.2	299.2	300.8	276.8	253.1
57,5°	322.9	301.1	324.9	321.0	348.1	339.7	328.7	306.9	287.0	259.0
60,0°	298.8	292.5	328.9	334.1	379.7	368.3	340.7	319.5	295.6	255.3
62,5°	249.2	250.6	301.6	332.5	379.2	384.5	344.2	330.2	303.7	254.0
65,0°	216.7	214.5	260.1	288.8	358.1	395.8	362.6	336.8	295.9	247.9
67,5°	193.8	204.1	247.9	260.9	330.7	405.9	370.3	315.3	283.4	235.2
70,0°	207.1	223.1	254.6	265.3	313.4	377.3	350.2	291.4	262.8	212.9
72,5°	232.4	238.6	245.3	257.8	296.2	336.2	316.5	265.2	220.1	184.8
75,0°	197.5	199.9	216.0	231.6	270.6	292.8	274.6	215.3	164.4	136.8
77,5°	146.6	140.2	154.5	175.2	188.9	195.4	185.1	140.9	109.6	95.3
80,0°	89.3	79.5	95.6	110.5	113.1	106.3	104.5	90.2	75.7	59.9
82,5°	53.9	46.3	52.8	64.1	56.8	48.4	56.0	60.7	53.4	37.4
85,0°	24.6	25.3	29.1	34.5	31.8	26.5	33.2	37.1	28.2	17.7
87,5°	14.2	15.0	15.9	17.0	16.5	16.5	18.6	16.7	14.8	11.6
90,0°	9.0	9.1	9.2	9.1	9.0	8.8	8.7	8.4	8.2	8.1
92,5°	8.4	8.6	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.5
95,0°	7.9	8.1	8.2	8.0	7.9	7.8	7.6	7.5	7.3	7.2
97,5°	7.3	7.6	7.7	7.6	7.5	7.4	7.2	7.1	6.9	6.9
100,0°	7.0	7.3	7.3	7.3	7.0	7.0	6.9	6.7	6.7	6.5
102,5°	6.6	6.9	7.0	6.9	6.7	6.7	6.5	6.4	6.4	6.2
105,0°	6.3	6.4	6.4	6.4	6.4	6.3	6.1	6.1	6.1	5.9
107,5°	6.0	6.1	6.1	6.1	6.0	6.0	5.8	5.8	5.8	5.6
110,0°	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.5	5.5	5.4

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Family LITEPOLE 2	Order number: 5XA5425JF14H EAN: 4058352636596	LP number 58891_24
Table of values for luminous intensities		Maximum luminous intensity



C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
0,0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	0.0	0.0
2,5°	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	0.1	0.1
5,0°	10.8	11.1	11.3	11.5	11.8	12.2	12.4	12.4	12.4	0.2	0.3
7,5°	22.2	23.4	25.1	26.8	28.9	30.4	31.8	32.5	31.9	0.8	1.2
10,0°	32.2	35.0	37.5	37.3	41.7	43.0	46.7	45.0	45.2	1.7	2.9
12,5°	54.7	55.3	54.3	56.2	57.2	59.7	63.2	64.8	65.0	3.3	6.2
15,0°	73.2	71.1	73.9	74.5	80.2	81.2	84.4	86.6	87.0	5.7	11.9
17,5°	90.4	89.8	91.9	92.9	97.0	100.4	103.5	108.1	109.8	8.2	20.0
20,0°	97.8	97.1	103.4	105.4	110.2	114.7	119.1	119.1	118.8	10.4	30.5
22,5°	100.5	104.2	110.6	112.2	114.6	120.2	127.4	131.7	136.0	12.6	43.0
25,0°	104.2	108.1	116.5	120.3	126.9	131.6	135.2	136.7	138.5	14.8	57.8
27,5°	114.6	120.6	128.6	134.8	139.0	140.5	142.1	142.5	143.8	17.2	75.0
30,0°	136.5	131.9	137.1	145.8	149.8	148.3	148.9	147.6	148.7	20.3	95.3
32,5°	157.5	151.3	152.3	160.6	161.1	157.8	155.9	154.1	155.0	23.8	119.1
35,0°	175.5	176.3	172.3	172.8	173.3	165.9	162.7	164.4	167.0	27.3	146.4
37,5°	191.4	197.3	191.9	183.7	182.9	175.3	172.5	175.6	178.1	31.3	177.7
40,0°	199.3	204.8	205.7	195.7	192.1	184.7	183.9	188.0	191.1	35.1	212.9
42,5°	216.2	214.5	215.0	208.2	198.1	190.1	190.9	196.0	200.1	39.0	251.8
45,0°	229.7	225.9	225.5	218.4	201.1	193.3	196.6	201.2	203.1	42.9	294.7
47,5°	238.9	237.0	231.6	220.3	201.2	195.0	198.1	203.8	204.9	46.8	341.5
50,0°	244.6	239.4	229.3	215.1	196.9	191.8	196.0	202.6	203.8	50.6	392.1
52,5°	245.7	241.4	224.4	203.6	187.5	185.0	190.1	197.2	199.0	53.6	445.7
55,0°	246.3	241.9	219.2	191.0	174.0	173.7	179.7	188.9	191.7	56.2	501.9
57,5°	244.0	235.4	209.4	173.1	154.7	155.7	164.2	174.5	177.9	58.8	560.7
60,0°	230.9	218.6	193.3	159.7	136.2	132.1	143.0	154.1	157.0	59.5	620.2
62,5°	221.8	203.8	174.9	143.2	116.8	108.5	115.9	125.1	129.8	57.8	678.0
65,0°	210.3	190.7	158.5	121.7	93.9	85.3	88.2	92.5	95.3	54.6	732.6
67,5°	194.4	171.6	135.5	97.9	69.4	60.1	61.0	61.9	61.7	51.1	783.8
70,0°	176.0	154.0	114.0	81.2	54.1	41.3	38.3	38.6	38.3	48.2	832.0
72,5°	155.0	131.0	97.3	66.0	43.6	27.3	23.3	22.5	23.7	44.4	876.4
75,0°	124.8	108.4	80.3	53.2	33.7	20.9	16.7	15.6	15.9	37.7	914.1
77,5°	102.3	98.5	66.6	36.9	21.3	15.4	13.3	12.1	12.1	27.2	941.3
80,0°	55.1	55.1	38.2	22.3	13.3	11.6	10.9	10.4	10.3	16.5	957.8
82,5°	23.5	18.6	15.5	13.9	11.1	9.7	9.1	9.1	8.8	9.3	967.2
85,0°	12.9	11.4	10.6	10.1	9.5	8.6	8.2	8.2	7.9	5.4	972.6
87,5°	9.7	9.1	8.5	9.1	8.2	7.8	7.4	7.4	7.3	3.4	976.0
90,0°	7.8	7.5	7.4	7.2	7.0	6.8	6.7	6.7	6.7	2.2	978.1
92,5°	7.3	7.2	7.0	6.8	6.7	6.5	6.4	6.4	6.4	2.1	980.2
95,0°	7.0	6.9	6.6	6.6	6.4	6.3	6.1	6.1	6.1	2.0	982.1
97,5°	6.7	6.6	6.4	6.3	6.1	6.0	5.9	5.8	5.8	1.8	984.0
100,0°	6.4	6.3	6.2	6.0	5.9	5.8	5.8	5.7	5.7	1.8	985.8
102,5°	6.1	6.1	5.9	5.8	5.6	5.6	5.5	5.5	5.5	1.7	987.4
105,0°	5.8	5.8	5.6	5.5	5.5	5.4	5.3	5.2	5.2	1.6	989.0
107,5°	5.6	5.5	5.4	5.3	5.2	5.2	5.1	5.1	5.1	1.5	990.5
110,0°	5.4	5.3	5.2	5.2	5.1	5.1	4.9	4.9	4.9	1.4	991.9

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity in cd/klm									
112,5°	5.2	5.5	5.6	5.6	5.4	5.4	5.4	5.4	5.2	5.2
115,0°	5.2	5.2	5.3	5.3	5.1	5.1	5.1	5.1	5.0	4.9
117,5°	4.8	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.6
120,0°	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.5
122,5°	4.0	4.2	4.2	4.2	4.1	4.0	4.2	4.0	4.0	4.0
125,0°	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
127,5°	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
130,0°	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.6	1.6
132,5°	1.3	1.5	1.4	1.5	1.5	1.3	1.3	1.4	1.4	1.3
135,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2
137,5°	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140,0°	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.8
142,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
145,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
112,5°	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.8	4.8	1.3	993.2
115,0°	4.9	4.9	4.8	4.8	4.8	4.6	4.6	4.6	4.6	1.2	994.4
117,5°	4.6	4.6	4.5	4.6	4.5	4.5	4.5	4.4	4.3	1.1	995.5
120,0°	4.4	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.2	1.0	996.6
122,5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	0.9	997.5
125,0°	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.1	3.1	0.7	998.2
127,5°	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.1	0.5	998.7
130,0°	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	0.3	999.1
132,5°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	0.3	999.3
135,0°	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.2	999.6
137,5°	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.2	999.8
140,0°	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.1	999.9
142,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.1	1000.0
145,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
147,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
157,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
162,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
167,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
177,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180,0°	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 LITEPOLE 2	Order number: 5XA5425JF14H EAN: 4058352636596	LP number 58891_24
Dimming levels table		environmental temperature: 25°C



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	2990	19.3	20.6	20.0
95	241	252	2837	18.3	19.4	18.8
90	229	250	2696	17.3	18.4	17.8
85	216	248	2543	16.3	17.3	16.8
80	203	246	2390	15.2	16.2	15.7
75	190	243	2237	14.2	15.1	14.6
70	178	241	2095	13.3	14.1	13.7
65	165	238	1942	12.4	13.2	12.8
60	152	235	1789	11.4	12.1	11.8
55	140	232	1648	10.5	11.2	10.8
50	127	229	1495	9.6	10.1	9.8
45	114	225	1342	8.7	9.2	9.0
40	102	221	1201	7.9	8.3	8.1
35	89	216	1048	7.1	7.4	7.2
30	76	210	895	6.2	6.5	6.4
25	63	203	742	5.4	5.6	5.5
20	51	195	600	4.6	4.8	4.7
17	44	190	518	4.1	4.3	4.2