

Photometric test report

Family
DL® 30 LED

Order number: 5XA5132J1B08A4
EAN: 4058352058992

LP number
57204_7



Version	post-top mounting
Optic	symmetric, wide distribution (PL1.2s)
Cover	PMMA cover, impact resistant, IK08
Lamps	LED 3000 K CRI ≥ 80
Controlgear	ECG Plus
Rated values	Net luminous flux = 3100 lm Power consumption = 29.3 W Luminous efficacy = 105.8 lm/W

serial
documentation
18.11.2020

siteco

Luminous intensity in cd/klm

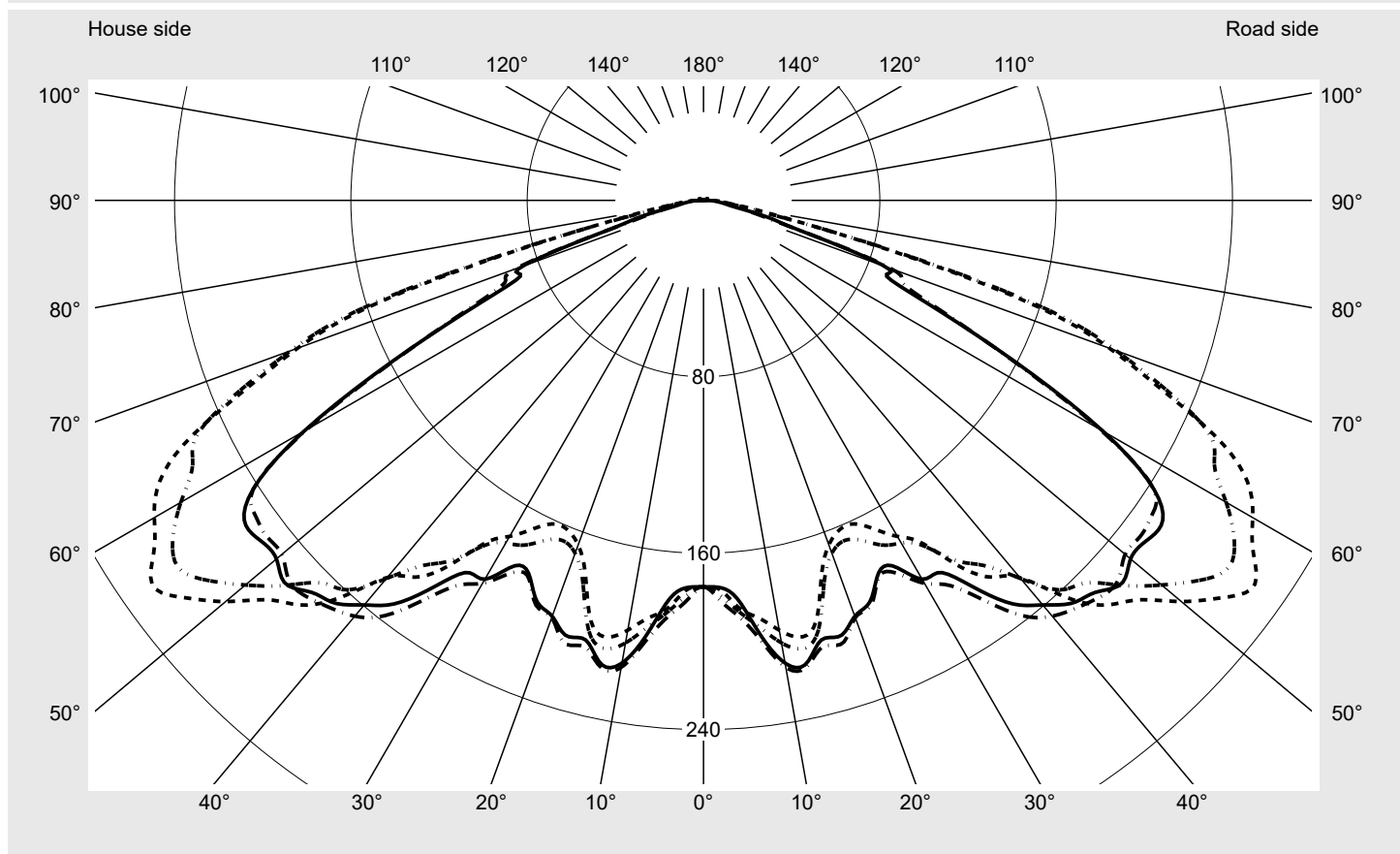
C180-0

C235-55

C240-60

C270-90

Imax: 305 cd/klm



Luminaire output ratios

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

Luminous intensity class acc. to EN13201-2

Class:	G6
Imax 70°	206.2
Imax 80°	25.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

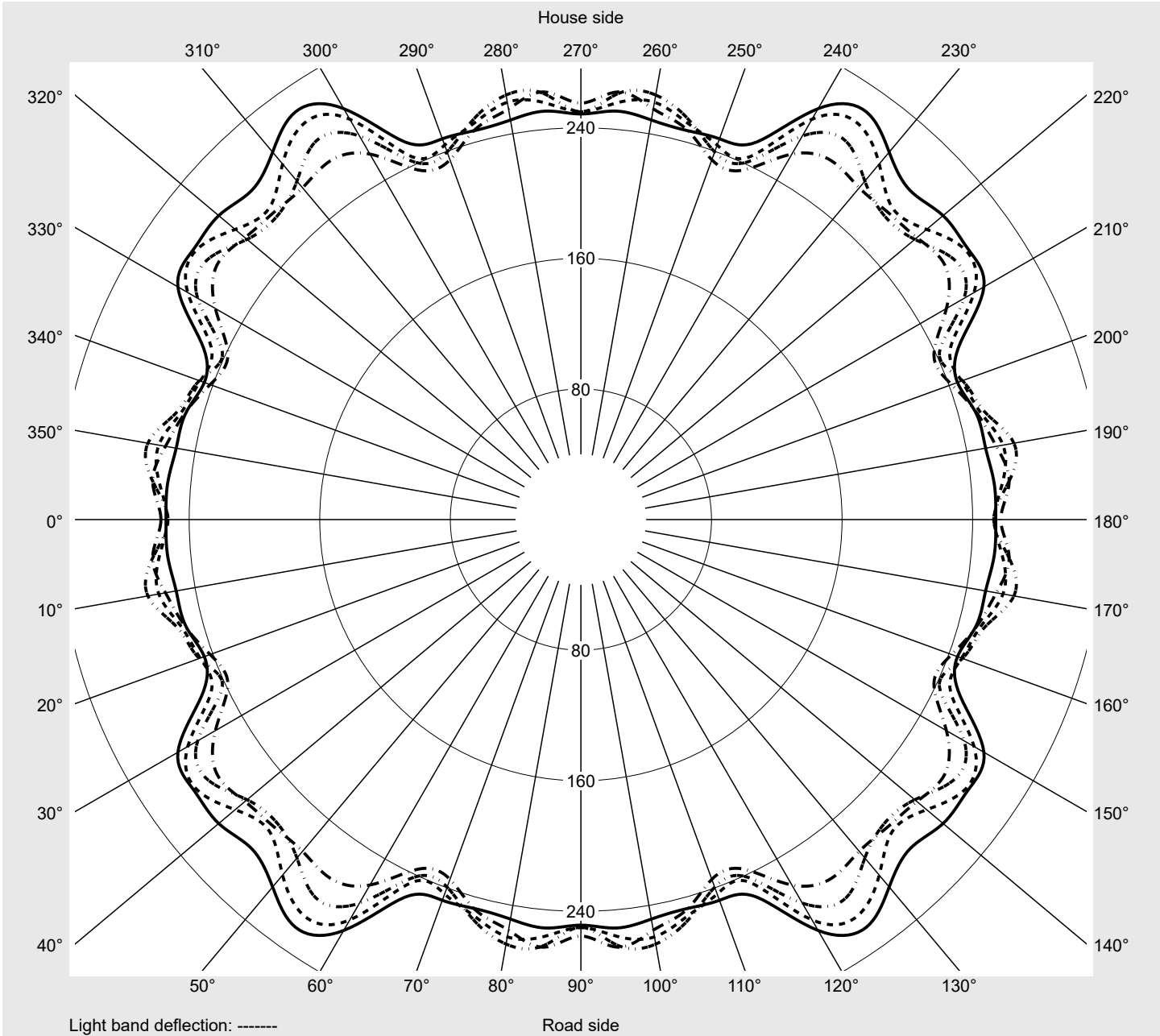
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 55°** **KMK 52,5°** **KMK 50°** **KMK 47,5°** **siteco**



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Table of values for luminous intensities		Maximum luminous intensity
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C-planes	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
Luminous intensity in cd/klm										
γ										
0,0°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3
2,5°	175.8	176.6	178.0	178.3	176.7	176.6	176.5	177.7	177.3	176.5
5,0°	182.0	182.7	184.5	185.2	185.2	186.0	186.2	186.4	185.8	185.3
7,5°	199.0	199.1	198.8	197.0	193.9	193.7	192.9	192.3	191.1	190.3
10,0°	213.1	214.9	214.4	213.1	209.9	206.9	202.5	202.7	199.5	195.9
12,5°	215.2	216.1	216.6	216.1	215.5	212.5	208.2	205.5	203.5	200.9
15,0°	206.4	206.1	208.6	207.5	204.6	200.5	197.9	196.0	194.3	191.8
17,5°	207.0	205.9	203.3	199.6	190.4	186.2	181.0	179.2	179.3	178.7
20,0°	200.7	200.2	196.4	192.0	183.5	173.9	167.4	165.7	165.9	163.4
22,5°	197.1	195.2	190.2	187.5	181.7	173.6	166.3	159.7	153.5	149.8
25,0°	187.2	185.5	181.2	182.1	179.1	173.9	168.2	162.0	151.1	145.5
27,5°	187.1	185.0	182.5	182.0	181.2	181.7	175.6	166.1	161.1	158.9
30,0°	198.4	198.3	195.7	193.1	188.1	186.2	181.9	176.8	172.1	173.4
32,5°	200.1	199.2	197.6	198.1	199.8	196.3	188.7	188.7	185.8	183.7
35,0°	214.4	211.9	204.4	203.1	205.9	208.3	206.7	202.4	198.4	196.9
37,5°	230.7	227.9	219.7	217.8	219.6	213.3	214.8	219.9	213.7	213.0
40,0°	239.5	233.8	224.3	224.4	232.2	229.8	226.7	227.4	233.3	232.9
42,5°	247.7	242.7	231.8	228.2	232.9	233.2	243.4	248.3	245.9	255.0
45,0°	251.4	254.1	247.3	238.4	235.6	232.5	250.5	263.4	266.3	260.4
47,5°	257.3	263.4	258.4	251.3	241.7	238.6	258.6	272.1	268.7	266.1
50,0°	252.9	263.1	269.4	255.9	248.8	242.4	271.1	278.5	267.0	263.1
52,5°	253.4	259.3	262.6	253.5	248.2	249.9	278.1	287.7	276.5	270.0
55,0°	254.2	254.2	251.8	250.8	245.5	256.6	285.1	289.4	289.7	285.2
57,5°	241.3	245.5	238.6	234.2	249.7	271.1	281.5	284.9	286.9	273.7
60,0°	209.2	214.1	220.3	216.2	240.1	262.6	273.9	280.7	277.5	264.9
62,5°	161.9	169.1	185.4	193.0	217.2	253.9	262.7	275.0	270.6	259.3
65,0°	116.7	122.5	146.1	154.2	180.5	245.1	260.0	257.0	255.9	250.9
67,5°	90.0	100.7	121.4	131.1	152.1	222.5	235.6	229.4	231.6	223.1
70,0°	87.7	98.1	120.8	126.4	142.0	186.9	206.2	194.5	184.6	173.9
72,5°	48.3	69.1	92.2	103.3	124.0	151.4	173.6	146.7	124.0	120.7
75,0°	31.7	39.1	49.9	54.3	72.3	83.8	100.1	90.5	87.1	77.3
77,5°	16.8	18.3	20.7	22.6	23.1	27.3	43.8	50.7	50.0	40.7
80,0°	11.0	11.1	11.6	12.2	13.0	14.1	17.1	24.6	22.9	18.2
82,5°	8.4	8.5	8.9	9.5	10.3	10.9	11.3	12.0	11.6	11.8
85,0°	6.2	6.2	6.6	7.1	7.7	8.2	8.5	8.4	8.1	8.2
87,5°	4.2	4.3	4.6	5.1	5.7	6.3	6.6	6.5	6.4	6.4
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135,0°	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
165,0°	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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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-zone	Total Phi-zone
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°			
Luminous intensity in cd/klm										Luminous flux in lm/klm	
0,0°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	0.3	0.3
2,5°	175.8	176.8	179.5	180.1	179.7	180.9	182.6	182.6	182.0	2.1	2.4
5,0°	184.3	185.6	187.4	187.9	186.5	187.9	189.9	189.7	189.9	4.5	6.8
7,5°	188.6	190.9	195.3	197.5	197.2	199.8	201.5	201.7	201.6	7.0	13.8
10,0°	194.5	197.9	203.8	208.5	209.2	211.8	214.9	216.0	215.1	9.9	23.7
12,5°	199.4	202.9	208.2	209.8	212.7	215.0	215.4	215.7	216.6	12.5	36.2
15,0°	192.3	197.4	201.6	203.2	205.5	206.9	209.5	210.5	209.5	14.4	50.6
17,5°	178.0	178.1	181.9	187.1	192.4	199.3	205.6	209.3	210.4	15.8	66.3
20,0°	163.3	166.3	170.3	176.8	185.4	192.9	200.1	203.4	201.3	17.0	83.4
22,5°	153.6	161.6	167.0	174.4	184.1	190.4	196.2	198.6	198.7	18.5	101.9
25,0°	150.5	161.9	170.2	177.1	184.5	184.8	184.3	186.4	188.3	20.1	122.0
27,5°	159.1	168.1	176.3	181.7	185.4	183.9	186.7	190.4	190.8	22.5	144.4
30,0°	175.0	175.9	179.4	188.5	192.3	194.1	200.1	202.5	200.5	25.7	170.1
32,5°	190.6	184.1	185.7	199.4	201.9	199.9	202.6	207.8	206.9	28.8	198.9
35,0°	198.6	202.7	199.4	206.9	207.5	205.9	209.5	219.7	221.1	32.4	231.2
37,5°	210.7	215.4	208.6	214.4	218.8	218.5	224.7	236.6	237.3	36.5	267.8
40,0°	231.4	223.2	223.9	226.0	227.4	223.8	229.2	242.1	246.1	40.5	308.2
42,5°	241.7	244.4	239.6	231.9	226.7	227.2	235.2	248.4	250.6	44.3	352.5
45,0°	260.5	259.4	245.3	236.1	227.4	234.9	245.6	258.1	254.3	48.1	400.7
47,5°	265.3	268.1	258.5	236.3	234.5	248.0	255.4	263.0	255.1	51.7	452.4
50,0°	270.6	283.0	271.3	241.7	239.6	254.0	264.1	262.0	249.7	54.8	507.2
52,5°	284.3	296.1	283.2	245.3	244.1	251.6	259.6	256.3	250.0	57.5	564.7
55,0°	293.8	304.9	290.7	255.3	248.2	247.0	248.5	251.2	248.5	59.9	624.5
57,5°	288.1	295.6	285.5	272.3	251.8	234.3	236.6	244.7	241.5	60.6	685.1
60,0°	280.5	287.7	273.8	270.9	239.7	213.9	217.3	211.0	207.8	58.7	743.8
62,5°	274.7	278.7	261.4	252.0	217.4	191.7	179.9	165.5	160.5	55.0	798.8
65,0°	256.5	258.9	254.3	242.9	183.2	154.8	143.2	125.5	120.1	49.8	848.6
67,5°	232.2	226.0	229.8	218.5	158.5	127.8	117.8	103.6	97.6	44.4	893.0
70,0°	185.1	196.0	199.4	173.9	140.2	124.9	109.0	94.5	90.9	39.3	932.3
72,5°	135.8	156.2	161.6	135.9	114.4	92.0	75.4	59.6	48.7	30.3	962.6
75,0°	76.2	88.2	92.0	74.9	67.4	50.0	45.1	33.2	27.6	17.8	980.4
77,5°	38.8	42.2	39.9	29.5	26.1	24.3	21.8	18.8	18.0	8.3	988.7
80,0°	25.2	23.6	19.5	16.4	15.7	14.9	14.2	13.6	13.4	4.5	993.2
82,5°	12.1	13.0	12.5	12.5	12.3	11.6	10.8	10.3	10.1	3.0	996.2
85,0°	8.6	9.0	9.4	9.4	9.0	8.4	7.7	7.3	7.2	2.2	998.4
87,5°	6.6	6.9	7.0	6.8	6.3	5.8	5.2	4.8	4.7	1.6	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135,0°	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
165,0°	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

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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	3100	29.3	29.9	29.6
95	241	2941	27.7	28.3	28.0
90	229	2795	26.2	26.7	26.4
85	216	2636	24.6	25.1	24.8
80	203	2478	23.0	23.4	23.2
75	190	2319	21.4	21.9	21.6
70	178	2172	20.0	20.4	20.2
65	165	2014	18.5	19.0	18.8
60	152	1855	17.1	17.5	17.3
55	140	1709	15.8	16.1	16.0
50	127	1550	14.2	14.5	14.4
45	114	1391	12.8	13.0	12.9
40	102	1245	11.5	11.7	11.6
35	89	1086	10.1	10.2	10.1
30	76	928	8.6	8.8	8.7
27	68	830	7.8	7.9	7.8