

Photometric test report

Family
DL® 30 LED

Order number: 5XA5132R1B08A4
EAN: 4058352059357

LP number
57204_8



Version	post-top mounting
Optic	symmetric, wide distribution (PL1.2s)
Cover	PMMA cover, impact resistant, IK08
Lamps	LED 4000 K CRI ≥ 70
Controlgear	ECG Plus
Rated values	Net luminous flux = 3540 lm Power consumption = 27.9 W Luminous efficacy = 126.9 lm/W

serial
documentation
18.11.2020

siteco

Luminous intensity in cd/klm

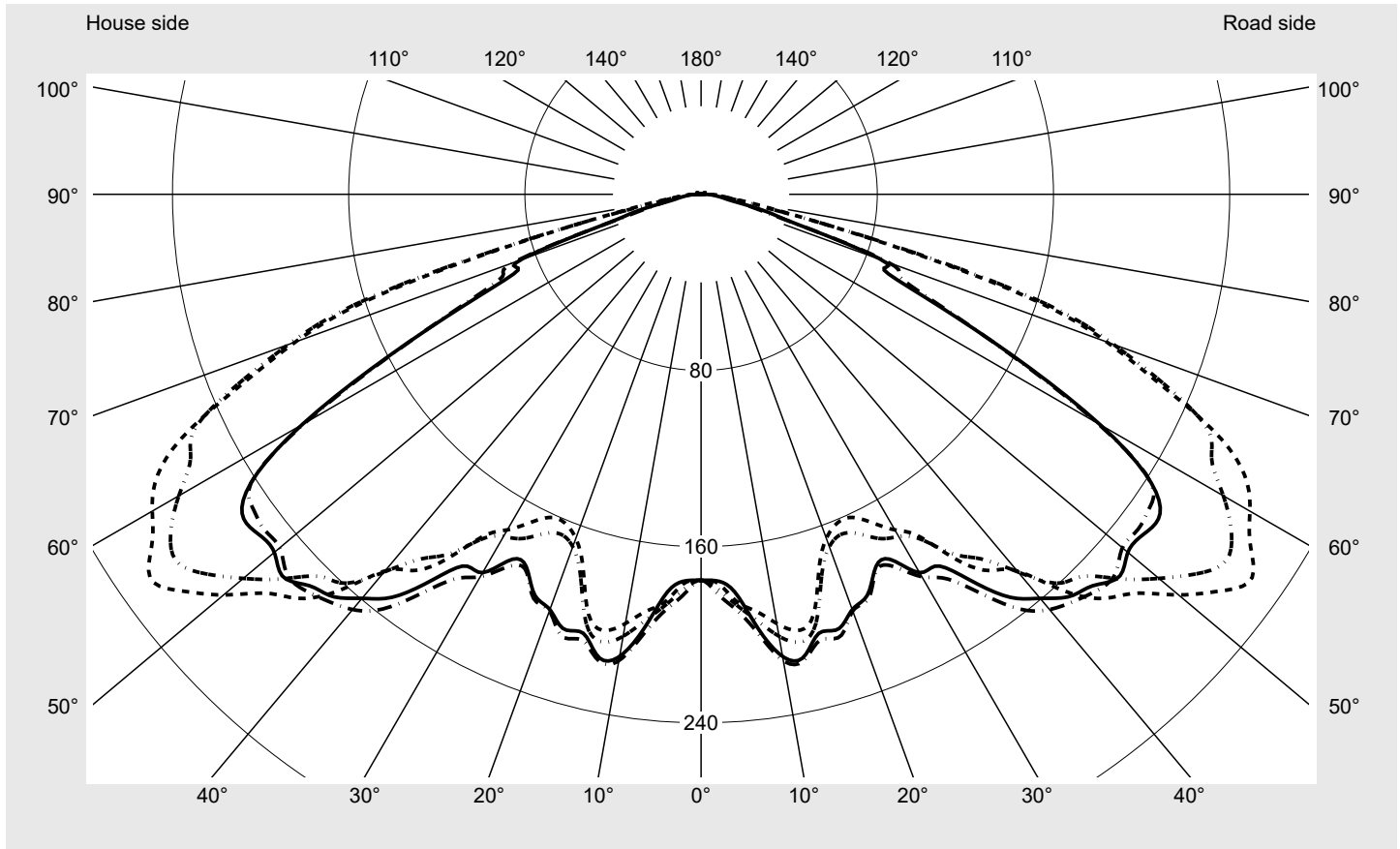
C180-0

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

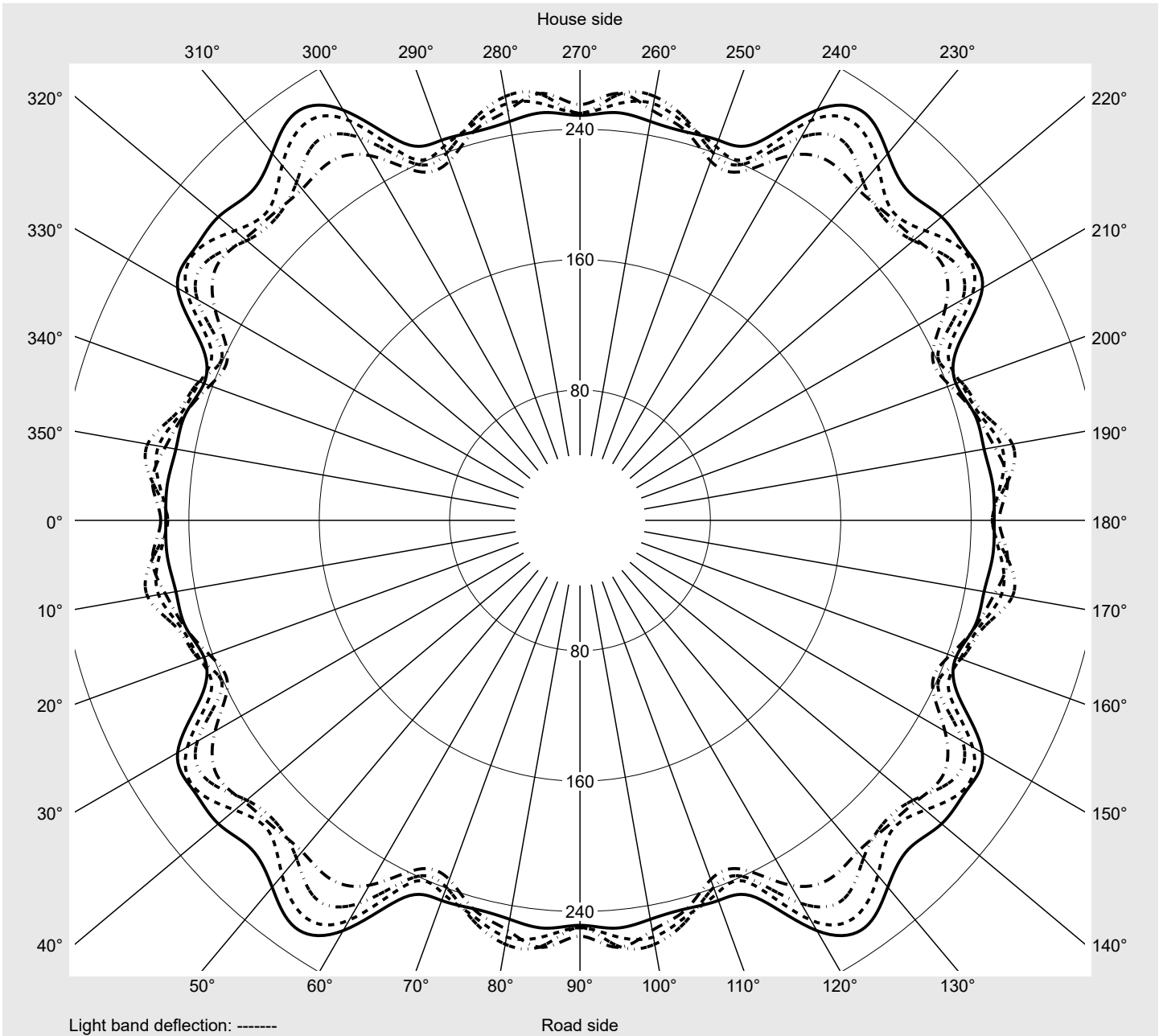
Measurement conditions

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°
γ										
Luminous intensity in cd/klm										
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	3540	27.9	28.5	28.2
95	241	3359	26.4	26.9	26.6
90	229	3192	25.1	25.6	25.4
85	216	3010	23.7	24.1	23.9
80	203	2829	22.2	22.6	22.4
75	190	2648	20.8	21.2	21.0
70	178	2481	19.5	19.9	19.7
65	165	2300	18.1	18.5	18.3
60	152	2118	16.8	17.1	17.0
55	140	1951	15.5	15.8	15.6
50	127	1770	14.1	14.3	14.2
45	114	1589	12.8	13.0	12.9
40	102	1422	11.6	11.8	11.7
35	89	1240	10.3	10.5	10.4
30	76	1059	8.9	9.1	9.0
25	64	892	7.7	7.9	7.8