

Photometric test report

Family
DL® 30 LED

Order number: 5XA5132S1B08A1
EAN: 4058352059470

LP number
57198_8



Version post-top mounting
Optic direct, asymmetric extremely wide distribution P100004
Cover PMMA cover, impact resistant, IK08
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG Plus
Rated values Net luminous flux = 1600 lm
Power consumption = 12.5 W
Luminous efficacy = 128 lm/W

serial
documentation
18.11.2020

siteco

Luminous intensity in cd/klm

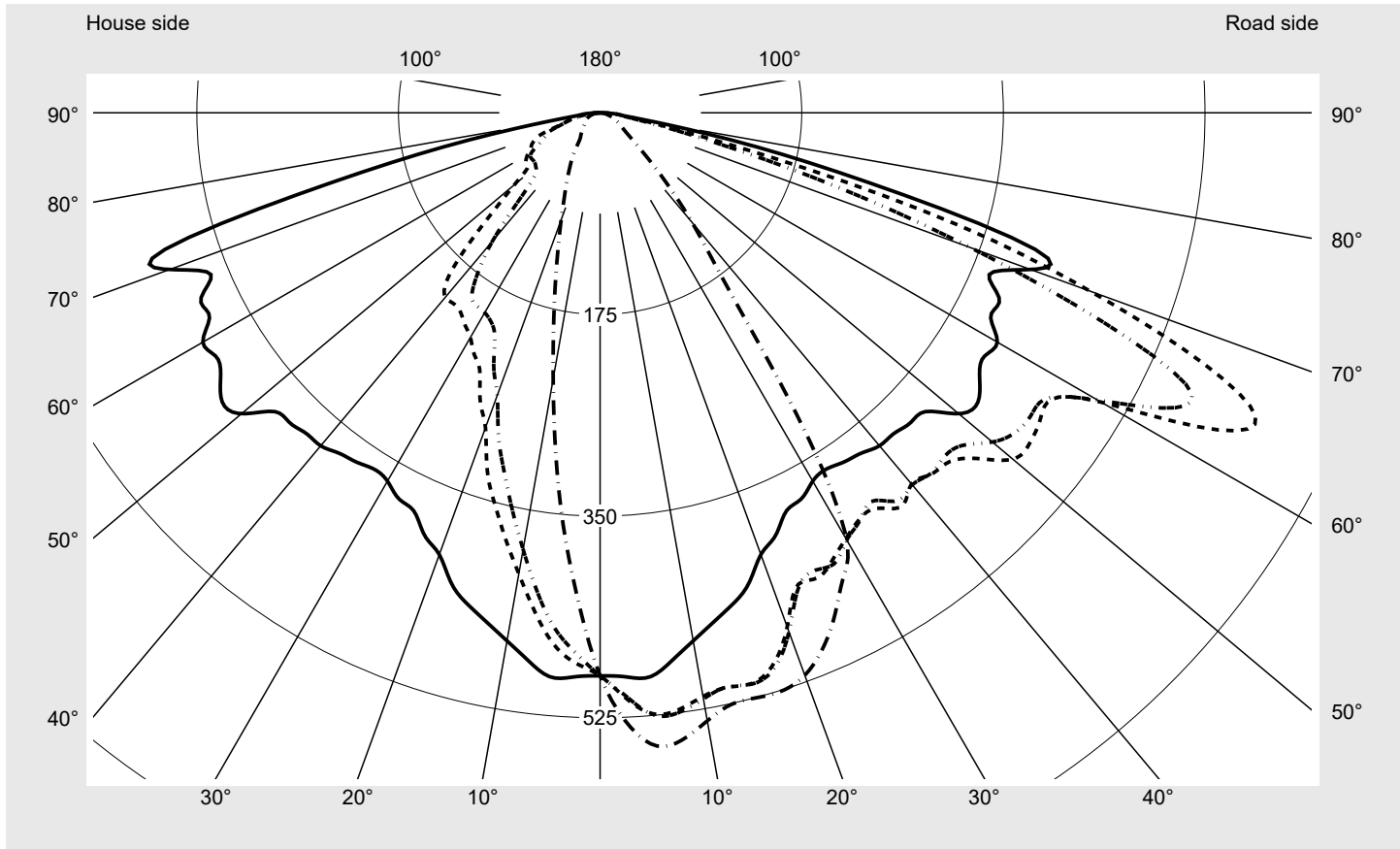
C180-0

C200-20

C205-25

C270-90

Imax: 628 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:	G3
Imax 70°	624.1
Imax 80°	59.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

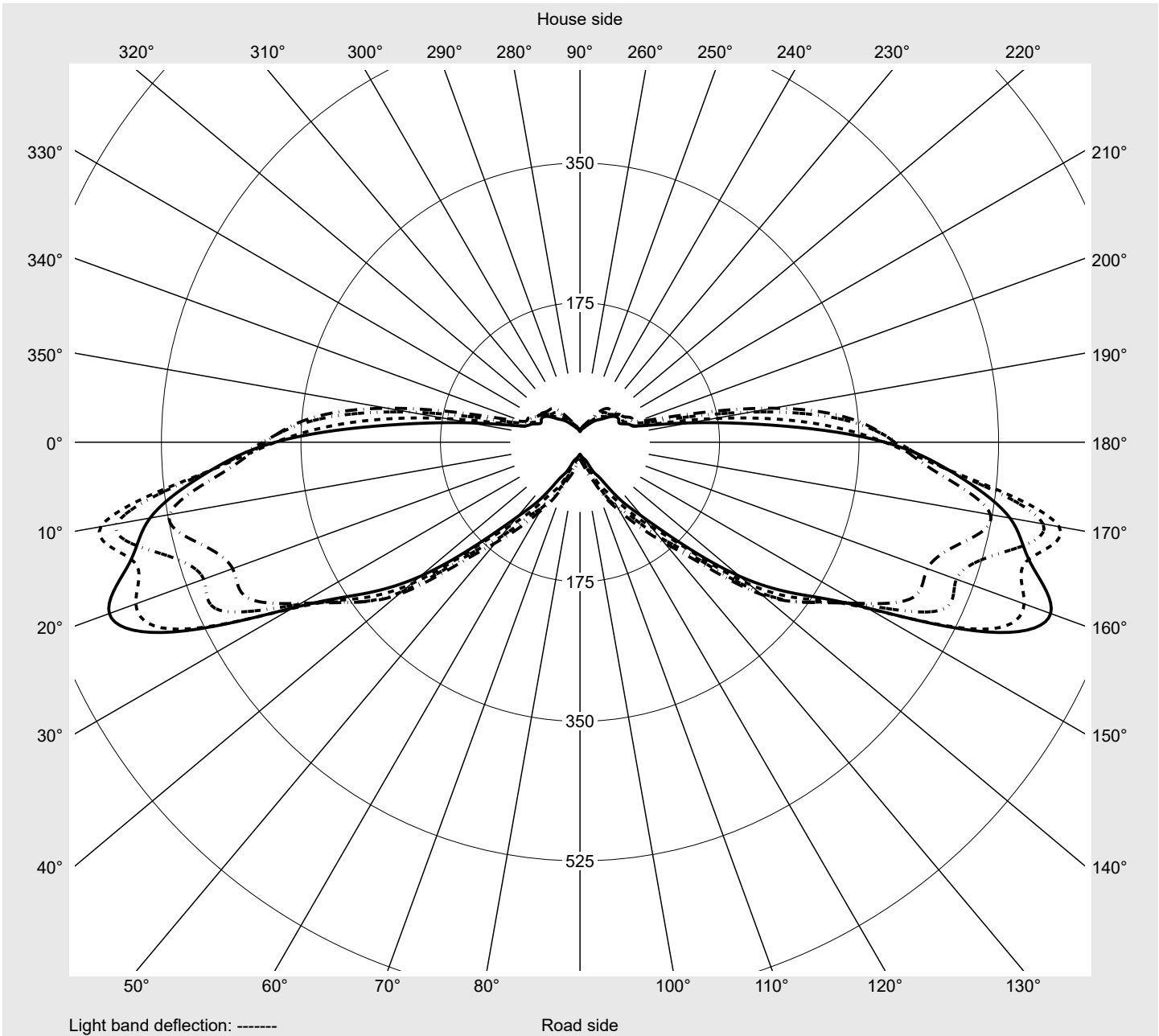
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family DL® 30 LED	Order number: 5XA5132S1B08A1 EAN: 4058352059470	LP number 57198_8
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Envelope curve in cd/klm **KMK 65°** **KMK 62,5°** **KMK 60°** **KMK 57,5°** **siteco**



Photometric test report

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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°	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6
2,5°	489.8	496.9	502.5	512.0	508.3	506.4	512.6	522.1	526.1	522.3	519.5	522.1	524.4
5,0°	491.6	501.4	510.9	524.2	523.6	524.4	532.4	543.5	549.6	547.2	544.6	546.3	548.3
7,5°	479.3	492.4	505.9	521.6	522.5	524.9	534.1	546.6	554.3	552.6	550.6	552.6	553.9
10,0°	465.3	480.4	495.6	512.2	514.3	516.5	524.6	536.5	544.4	544.2	542.5	545.0	547.2
12,5°	453.1	472.2	490.0	508.3	510.7	510.2	515.0	522.7	528.9	528.5	527.4	531.1	535.6
15,0°	442.1	463.6	485.1	506.6	512.4	513.0	515.4	517.1	518.6	516.0	513.5	518.0	526.1
17,5°	428.6	453.1	473.9	494.8	501.2	504.7	511.1	513.3	514.8	510.7	506.8	510.7	519.5
20,0°	408.0	429.5	448.6	467.9	474.8	479.3	489.4	499.5	508.7	510.7	506.6	507.0	513.0
22,5°	397.5	418.5	434.8	446.2	445.1	448.2	461.7	474.8	491.6	501.6	499.9	498.6	500.8
25,0°	381.8	405.2	426.0	443.9	445.6	438.5	443.6	454.2	470.5	480.4	483.4	480.4	477.6
27,5°	377.9	397.9	414.2	427.7	437.2	440.8	444.9	442.6	452.5	457.0	455.0	452.7	446.2
30,0°	369.1	388.0	405.6	421.3	426.7	428.2	437.8	436.3	433.1	432.3	423.2	421.3	411.6
32,5°	366.3	381.6	395.9	407.1	418.5	419.6	422.4	423.0	416.1	409.1	397.2	383.5	368.2
35,0°	369.7	395.3	418.7	426.9	418.9	411.4	417.9	415.3	403.5	391.9	370.0	348.0	316.9
37,5°	372.3	393.2	404.1	420.0	430.3	424.3	416.1	415.9	398.7	379.2	336.4	308.5	276.3
40,0°	377.3	396.4	409.5	418.5	420.4	421.5	419.6	408.0	384.8	356.0	309.8	266.2	241.7
42,5°	377.5	396.6	403.7	413.8	425.4	424.7	403.7	395.9	363.5	327.6	285.1	233.1	208.4
45,0°	380.7	402.4	415.5	427.7	428.4	422.4	405.2	381.8	348.5	304.0	256.9	205.8	180.9
47,5°	383.7	425.8	445.4	457.0	444.1	427.1	396.6	372.7	336.7	274.8	217.8	186.5	162.2
50,0°	406.3	447.7	467.9	475.2	467.7	444.5	408.4	364.4	325.5	249.9	183.9	166.1	142.7
52,5°	413.1	459.8	471.6	482.1	470.3	455.0	413.8	352.8	304.4	230.5	165.4	150.2	124.8
55,0°	402.2	457.8	476.7	473.3	466.0	457.0	411.2	350.6	297.6	219.6	163.3	137.9	107.8
57,5°	394.7	451.8	522.7	492.8	463.6	460.8	404.1	350.2	297.3	216.1	164.6	129.1	100.1
60,0°	398.1	478.9	589.7	542.0	502.3	498.6	406.9	349.8	291.5	203.2	155.5	115.6	94.1
62,5°	382.2	481.7	610.1	579.2	592.7	554.9	417.0	342.0	276.7	187.6	137.7	103.6	76.1
65,0°	382.4	474.8	547.6	585.0	628.2	563.1	415.3	331.3	261.7	179.6	122.0	88.1	55.0
67,5°	365.9	482.7	504.7	584.1	564.8	468.8	358.8	287.2	233.3	169.7	104.0	69.0	39.7
70,0°	397.7	541.2	579.4	624.1	452.9	342.5	270.1	205.4	187.1	159.6	98.4	55.2	31.2
72,5°	398.1	500.1	475.7	434.4	331.3	222.1	158.6	124.4	121.8	109.8	73.5	43.6	20.8
75,0°	265.1	301.2	307.4	258.5	176.8	119.2	92.6	82.7	75.8	51.1	32.2	20.4	13.3
77,5°	147.8	147.6	115.6	86.8	72.6	58.2	51.3	47.1	34.6	20.8	20.0	13.3	9.5
80,0°	59.9	43.2	39.3	38.5	36.7	29.2	26.2	24.3	16.3	12.7	9.7	8.2	6.9
82,5°	22.8	24.3	25.1	24.7	22.3	18.9	16.1	13.5	11.0	9.0	7.3	6.4	5.6
85,0°	15.5	16.3	17.0	16.8	15.5	13.5	11.8	9.7	7.9	6.7	5.8	5.2	4.3
87,5°	8.4	9.2	10.1	10.5	10.1	9.2	8.2	7.1	6.0	5.2	4.7	3.9	3.7
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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

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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°	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6
2,5°	526.6	527.9	528.1	528.3	529.1	529.8	488.1	487.5	483.8	478.2	469.9	469.0	468.8
5,0°	550.0	550.6	550.2	550.2	550.8	551.3	484.7	480.4	472.4	463.0	449.4	443.0	438.3
7,5°	553.9	553.0	550.6	549.1	548.9	548.7	469.9	461.5	449.9	436.1	418.9	408.0	400.0
10,0°	546.8	545.0	541.4	538.6	536.5	535.8	451.2	438.9	423.7	406.3	384.8	369.3	357.5
12,5°	536.9	536.2	533.0	529.4	526.8	525.9	436.6	420.7	401.3	379.0	352.6	331.7	315.2
15,0°	530.9	531.9	530.2	527.4	525.9	525.5	419.8	400.2	377.7	352.3	322.0	295.0	273.7
17,5°	526.6	528.5	527.2	525.3	525.7	525.9	403.0	378.8	353.0	325.7	293.5	264.3	240.4
20,0°	518.4	518.4	516.5	515.4	517.8	519.5	379.0	350.8	320.8	290.9	260.8	232.2	210.1
22,5°	500.4	497.1	495.4	497.4	501.6	504.0	371.2	341.8	306.6	271.8	241.0	215.7	194.9
25,0°	471.8	466.8	468.6	474.2	479.5	481.7	354.9	327.8	288.3	247.1	216.1	195.9	180.5
27,5°	434.6	432.5	438.7	447.1	453.5	456.3	350.4	322.3	281.7	236.5	204.7	183.5	164.4
30,0°	392.7	389.3	393.2	398.7	415.5	428.0	337.3	300.8	259.7	225.2	200.2	176.0	142.7
32,5°	343.3	334.3	318.6	319.0	330.6	341.2	343.1	297.3	243.2	218.3	198.9	157.9	113.4
35,0°	293.0	273.1	272.6	273.1	267.3	223.4	340.5	291.1	233.3	211.2	194.2	134.1	89.2
37,5°	253.9	239.1	238.3	233.7	218.1	159.4	339.2	279.1	229.9	208.8	173.6	105.7	84.2
40,0°	221.7	209.0	203.2	192.9	171.4	124.2	346.3	271.8	228.6	208.8	145.2	89.2	83.6
42,5°	190.8	178.5	167.8	151.7	131.3	93.7	350.6	271.1	222.6	196.6	108.1	84.0	83.6
45,0°	160.1	147.8	134.3	114.7	94.7	68.7	350.2	269.8	225.4	162.0	84.0	81.2	81.9
47,5°	134.9	121.8	106.3	85.9	69.4	49.8	351.3	259.3	228.2	123.7	75.2	76.9	78.2
50,0°	114.3	99.0	84.0	64.7	50.5	37.4	358.1	257.6	212.7	96.9	72.8	72.2	73.3
52,5°	96.7	79.9	66.8	48.8	38.5	29.6	356.8	253.7	188.0	79.9	71.3	69.0	68.7
55,0°	84.6	66.2	53.5	38.7	30.9	24.9	347.6	255.0	159.8	78.2	71.3	66.8	63.8
57,5°	77.6	54.8	42.5	31.6	25.8	21.9	340.3	245.6	130.0	76.3	71.5	63.8	61.4
60,0°	71.1	46.4	34.2	26.4	22.3	19.3	329.6	217.4	105.3	72.6	68.5	63.2	60.6
62,5°	60.2	38.5	27.5	22.6	19.3	17.2	286.4	171.0	80.4	67.9	60.8	61.0	59.5
65,0°	42.1	27.7	22.1	19.6	17.0	15.0	243.8	139.9	79.3	65.5	55.4	56.1	55.4
67,5°	26.2	22.3	18.5	16.8	14.8	13.3	207.5	128.7	90.9	61.2	50.5	50.1	48.3
70,0°	21.1	16.3	15.0	14.2	12.7	11.6	266.2	140.1	98.2	53.9	46.2	44.3	41.5
72,5°	14.2	12.5	12.0	11.6	10.1	9.0	308.9	131.7	73.7	38.5	36.5	36.1	34.8
75,0°	10.7	10.1	9.9	9.2	7.3	6.9	249.2	124.4	53.1	30.7	30.3	29.9	28.6
77,5°	8.8	8.2	7.5	6.7	5.6	5.6	110.6	122.7	72.8	25.4	23.4	23.2	22.8
80,0°	6.4	5.8	5.4	4.7	4.3	4.3	46.6	50.5	49.8	20.0	16.1	16.3	16.5
82,5°	4.7	4.5	3.9	3.7	3.4	3.4	20.4	17.8	15.0	12.5	10.7	10.3	11.0
85,0°	3.9	3.4	3.4	3.0	3.0	3.0	13.8	11.8	10.1	8.6	7.5	7.1	6.7
87,5°	3.4	3.0	3.0	2.6	2.6	2.6	8.2	7.3	6.7	5.8	5.6	5.2	5.2
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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

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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°	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	488.6	0.7	0.7
2,5°	465.3	457.4	448.8	444.7	442.1	440.4	435.5	430.5	427.3	425.8	425.8	5.8	6.6
5,0°	430.8	418.7	406.0	397.7	390.8	385.4	377.7	370.2	365.2	362.6	362.2	11.4	18.0
7,5°	389.7	375.1	360.1	348.0	337.9	328.9	318.0	308.3	301.2	297.1	296.0	16.4	34.4
10,0°	344.4	328.1	311.3	296.7	283.6	272.2	259.7	248.8	240.6	236.1	234.6	20.5	54.9
12,5°	299.7	282.5	265.8	250.3	235.7	222.6	209.7	198.7	191.0	186.9	186.1	24.1	79.0
15,0°	255.7	240.0	225.6	211.0	195.9	182.0	169.3	159.2	152.8	150.0	149.1	27.4	106.4
17,5°	220.4	203.9	189.9	176.0	161.6	147.2	135.1	127.2	122.9	120.7	120.3	30.4	136.8
20,0°	192.7	179.4	165.9	150.2	131.5	118.6	109.6	103.8	100.8	99.3	98.8	32.6	169.4
22,5°	174.2	156.4	139.2	124.2	108.1	96.7	90.7	86.6	84.0	82.5	82.1	34.6	204.1
25,0°	161.6	137.1	115.2	99.0	88.3	82.7	78.2	74.1	71.3	70.3	70.0	36.2	240.3
27,5°	134.1	108.9	92.2	83.8	79.1	73.3	67.9	63.6	60.6	59.5	59.7	37.5	277.9
30,0°	108.3	88.1	83.4	78.4	73.5	67.0	61.2	56.3	53.1	51.8	51.1	38.2	316.0
32,5°	87.4	83.4	79.7	75.4	69.8	62.1	54.6	49.6	46.2	43.8	43.4	37.9	354.0
35,0°	83.8	81.0	77.6	73.0	66.4	57.4	50.3	45.8	42.1	38.5	34.8	38.1	392.1
37,5°	82.9	80.4	76.3	71.3	64.0	54.1	47.5	42.8	38.9	34.6	28.8	38.3	430.4
40,0°	82.7	79.5	75.4	70.3	61.2	51.6	44.5	39.5	35.2	31.2	26.2	38.4	468.8
42,5°	81.9	78.8	75.0	69.0	59.1	48.6	41.2	36.1	32.0	28.1	24.1	38.1	506.9
45,0°	80.4	78.0	74.3	67.7	56.3	45.1	37.6	32.9	29.2	25.6	21.9	37.9	544.8
47,5°	77.6	75.8	72.8	66.0	53.9	42.1	34.4	30.1	26.4	23.2	20.2	38.1	582.8
50,0°	73.5	72.4	69.6	62.7	50.9	39.5	31.8	27.3	24.3	21.1	18.5	38.5	621.4
52,5°	68.1	68.1	66.0	59.1	47.9	36.7	29.4	25.6	22.3	19.6	17.2	38.5	659.9
55,0°	62.9	62.1	60.8	54.6	44.0	34.4	28.1	24.1	21.3	18.5	15.9	38.5	698.4
57,5°	58.2	56.1	55.0	49.8	40.4	32.0	26.6	23.0	20.2	17.4	15.5	39.0	737.3
60,0°	54.4	50.1	48.6	43.8	36.3	29.4	24.7	21.7	19.1	17.0	15.0	40.3	777.6
62,5°	52.0	45.5	42.1	38.2	32.4	27.1	23.0	20.4	18.3	16.1	14.2	40.7	818.3
65,0°	49.8	42.1	37.0	32.9	28.4	24.3	21.3	18.7	17.0	15.0	13.3	39.7	858.1
67,5°	44.7	38.7	32.9	28.1	24.5	21.5	19.3	17.2	15.7	13.5	12.0	36.8	894.9
70,0°	38.5	34.4	29.0	24.3	21.3	19.3	17.4	15.7	14.0	12.2	10.7	35.4	930.3
72,5°	32.0	28.8	24.3	20.6	18.3	17.0	15.7	14.0	12.2	10.5	9.5	28.6	958.9
75,0°	26.0	23.6	20.6	17.6	15.9	14.4	13.5	12.2	10.5	8.8	8.2	18.8	977.8
77,5°	20.6	18.7	16.8	14.6	13.1	12.0	11.2	9.9	8.6	6.9	6.9	10.4	988.2
80,0°	15.9	13.3	12.0	11.0	10.1	9.5	8.6	7.5	6.4	5.6	5.6	5.2	993.4
82,5°	11.6	9.7	8.2	7.7	7.5	7.1	6.4	5.6	4.7	4.3	4.3	3.0	996.5
85,0°	6.7	6.7	5.6	5.2	5.2	4.9	4.3	3.9	3.4	3.2	3.0	2.1	998.6
87,5°	4.5	4.1	3.9	3.4	3.4	3.0	2.6	2.6	2.4	2.1	2.1	1.4	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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 DL® 30 LED	Order number: 5XA5132S1B08A1 EAN: 4058352059470	LP number 57198_8
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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	1600	12.5	12.7	12.6
95	241	1518	12.0	12.2	12.1
90	229	1443	11.4	11.6	11.5
85	216	1361	10.8	11.0	10.9
80	203	1279	10.2	10.4	10.3
75	190	1197	9.7	9.9	9.8
70	178	1121	9.2	9.3	9.2
65	165	1039	8.6	8.7	8.6
60	152	957	8.0	8.1	8.0
55	140	882	7.5	7.6	7.6
50	127	800	6.9	7.0	7.0
45	114	718	6.4	6.5	6.4
40	102	643	5.8	5.9	5.8
35	89	561	5.3	5.4	5.4
32	81	510	4.9	5.0	5.0