



Landscape bollard light

Designing your lighting solutions



Common feature

Modular Light Source and Power with IP-66

Light source module uses PC cover with IP66 protection level.

Built-in power module with IP66 protection level.

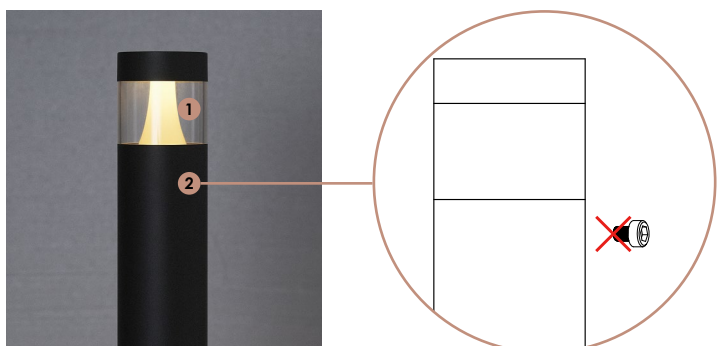
IP67 cable gland.



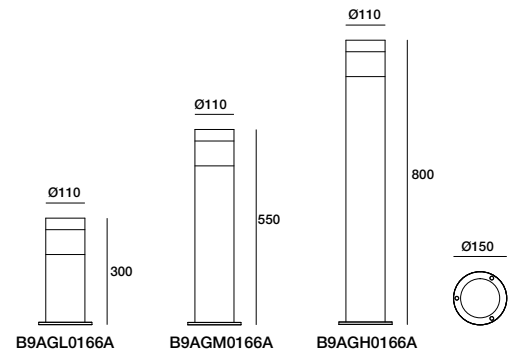
The luminaire body and the cover are integrally formed

Made of acrylic finishing and integrally formed.

Screwless design, the luminaire body is integrally formed.



Difussion 1 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B9AGL0166A	300	1x6W NICHIA	DC 24	DC 24=340	DC 24=8.0	183	07
B9AGM0166A	550		120	120=108	120=7.7		
B9AGH0166A	800		240	240=77	240=7.3		

HOUSING T=60-80µm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.

LIGHT WINDOW PMMA

LED SMD4040

LED DRIVER Constant Voltage Input, Constant Current Output

OPERATING -20°C~40°C

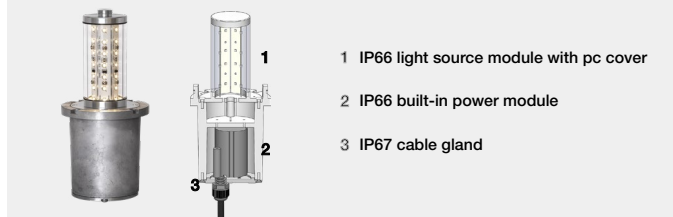
TEMPERATURE Outside of luminaire
12V/24V: H05RN-F 2x1.0mm², L=0.5m

POWER CABLE 120V/240V: H05RN-F 3x1.0mm², L=0.5m

BASE Flange base
Triac PWM Available
1-10V Dali Customized

DIMMING SUPPORT

Modular Light Source and Power with IP-66



REGULAR PAINTING COLOR

Basic

Sanded Black
RAL 9005

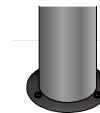
Secondary

Dark Grey
KAP 7037

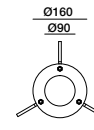
Light Sanded Grey
RAL 7038

INSTALLATION BASE

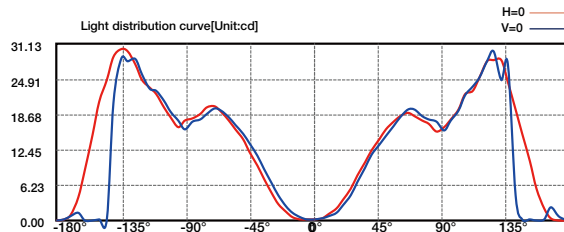
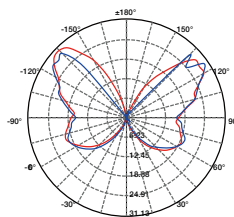
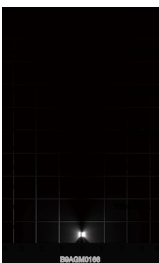
1. Flange Base(included)



2. Inground Base(option)



PHOTOMETRIC



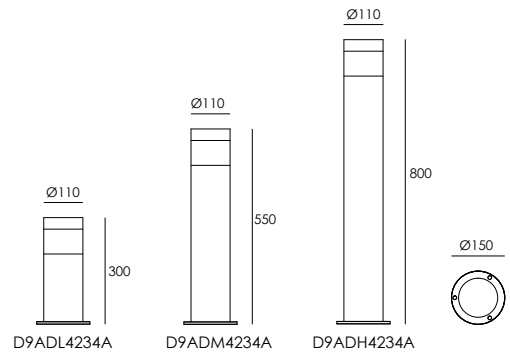
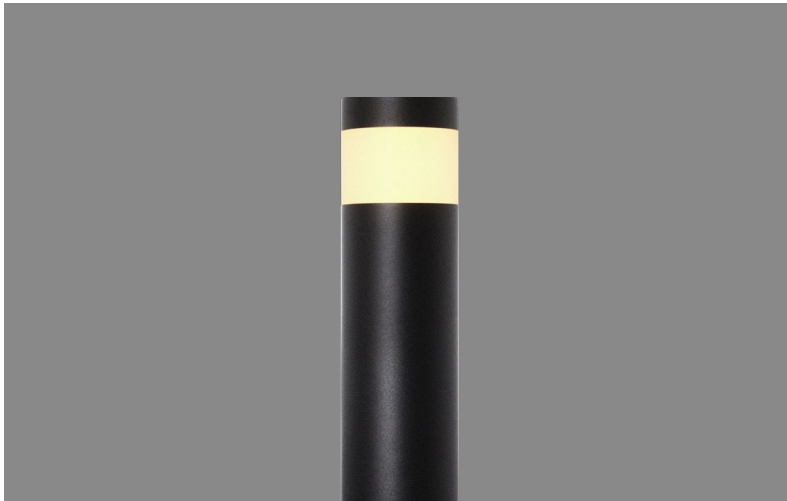
Lux distance curve

Illuminance at a Distance

Distance (m)	Center Beam LUX	Beam Width (m)
2m	0.03 LUX	0.0m 0.0m
4m	0.01 LUX	0.0m 0.0m
6m	0.00 LUX	0.0m 0.0m
8m	0.00 LUX	0.0m 0.0m
10m	0.00 LUX	0.0m 0.0m
12m	0.00 LUX	0.0m 0.0m

Vert.Spread:0.0 Horiz.Spread:0.0

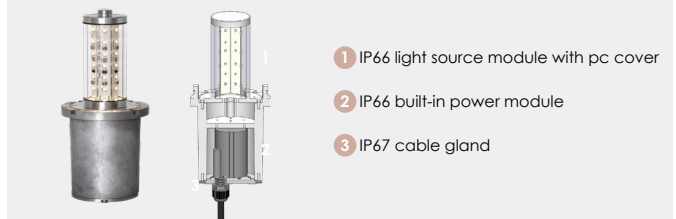
Difussion 2 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9ADL4234A	300	42x0.2W OSARM	DC 24	DC 24=415	DC 24=10	586	07
D9ADM4234A	550		120	120=76	120=8.6		
D9ADH4234A	800		240	240=38	240=8.2		

- HOUSING** T=60-80μm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD2835
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- BASE** Flange base
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

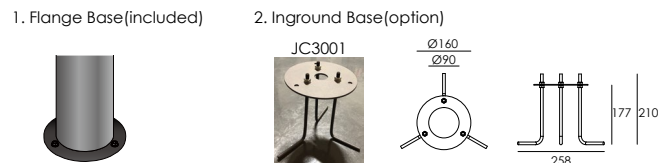
Modular Light Source and Power with IP-66



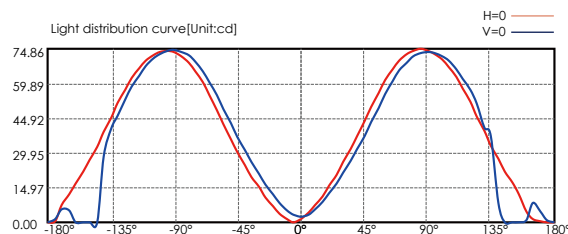
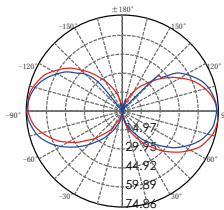
REGULAR PAINTING COLOR

- Basic
- Sanded Black RAL 9005
- Secondary
- Dark Grey KAP 7037
 - Light Sanded Grey RAL 7038

INSTALLATION BASE



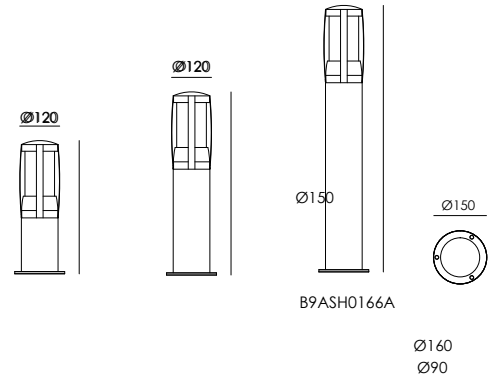
PHOTOMETRIC



Verf. Spread: 0.0 Horiz. Spread: 0.0

Distance (m)	Center Beam LUX	Beam Width (m)
2m	0.36	0.0m 0.0m
4m	0.09	0.0m 0.0m
6m	0.04	0.0m 0.0m
8m	0.02	0.0m 0.0m
10m	0.01	0.0m 0.0m
12m	0.01	0.0m 0.0m

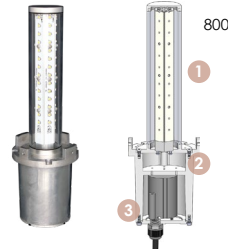
Difussion 3 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA) ⁵⁵⁰	CONSUMPTION(W)	LUMINANCE(LM)	IK
B9ASL0166A	400	1×6W NICHIA	DC 24	DC 24=340	DC 24=8.1	156	05
B9ASM0166A	550		120	120=108	120=7.7		
B9ASH0166A	800		240	240=76	240=7.3		

- HOUSING** T=60-80µm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD4040
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- BASE** Flange base
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

Modular Light Source and Power with IP-66



- IP66 light source module with pc cover Ø150
- IP66 built-in power module Ø150
- IP67 cable and

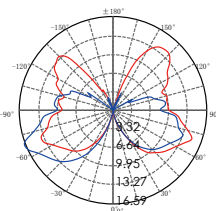
REGULAR PAINTING COLOR

- Basic**
 - Sanded Black RAL 9005
 - Dark Grey KAP 7037
 - Light Sanded Grey RAL 7038

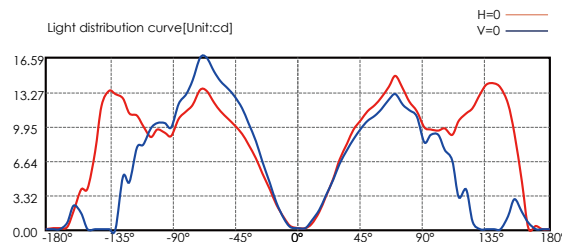
INSTALLATION BASE

- 1. Flange Base(included)
- 2. Inground Base(option)

PHOTOMETRIC



Light distribution curve[Unit:cd]

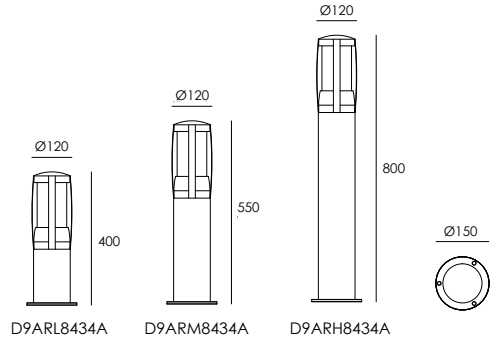


Lux distance cure

Height (m)	Center Beam LUX	Beam Width V (m)	Beam Width H (m)
2m	0.05 LUX	0.0m	1.5m
4m	0.01 LUX	0.0m	3.0m
6m	0.01 LUX	0.0m	4.5m
8m	0.00 LUX	0.0m	5.9m
10m	0.00 LUX	0.0m	7.4m
12m	0.00 LUX	0.0m	8.9m

Vert.Spread:0.0 Horiz.Spread:40.8

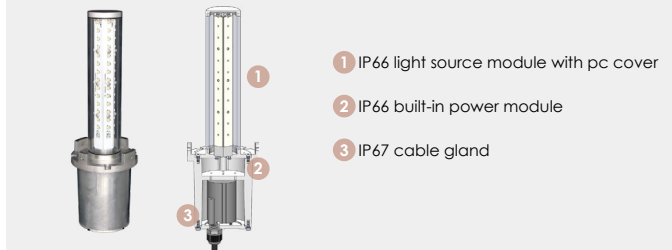
Difussion 4 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9ARL8434A	400	84×0.1W OSRAM	DC 24	DC 24=415	DC 24=10.0	697	05
D9ARM8434A	550		120	120=96	120=11.0		
D9ARH8434A	800		240	240=59	240=11.4		

- HOUSING** T=60-80μm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD2835
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- BASE** Flange base
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

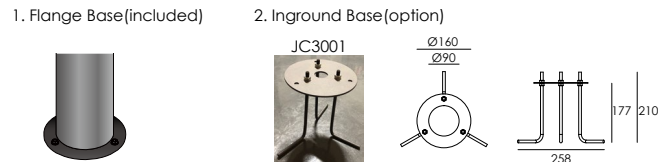
Modular Light Source and Power with IP-66



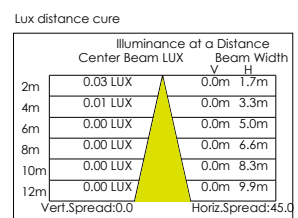
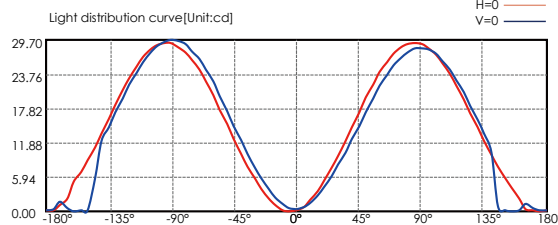
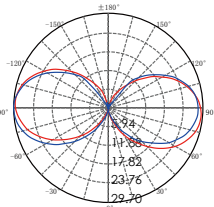
REGULAR PAINTING COLOR

- Basic** Sanded Black RAL 9005
- Secondary** Dark Grey KAP 7037
- Light Sanded Grey RAL 7038

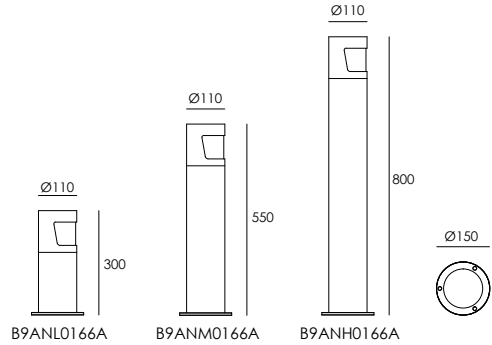
INSTALLATION BASE



PHOTOMETRIC



Difussion 5 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B9ANL0166A	300	1×6W NICHIA	DC 24	DC 24=340	DC 24=8.0	CW=150 WW=130	06
B9ANM0166A	550		120	120=108	120=7.7		
B9ANH0166A	800		240	240=77	240=7.3		

HOUSING T=60-80µm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.

LIGHT WINDOW PMMA

LED SMD4040

LED DRIVER Constant Voltage Input, Constant Current Output

OPERATING TEMPERATURE -20°C~40°C

POWER CABLE Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m

BASE Flange base

DIMMING SUPPORT Triac PWM Available
1-10V Dali Customized

Modular Light Source and Power with IP-66



IP66 light source module with pc cover

IP66 built-in power module

IP67 cable gland

REGULAR PAINTING COLOR

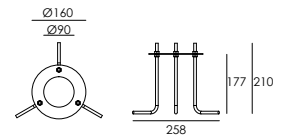
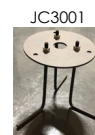
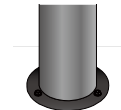
Basic
Sanded Black
RAL 9005

Secondary
Dark Grey
KAP 7037

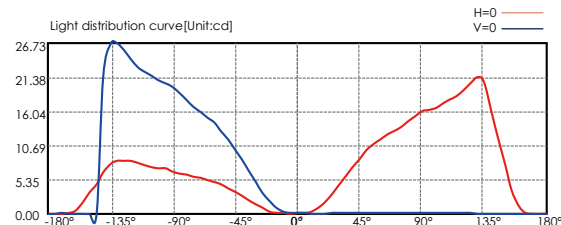
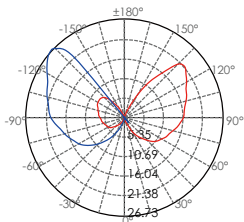
Light Sanded Grey
RAL 7038

INSTALLATION BASE

1. Flange Base(included)
2. Inground Base(option)



PHOTOMETRIC

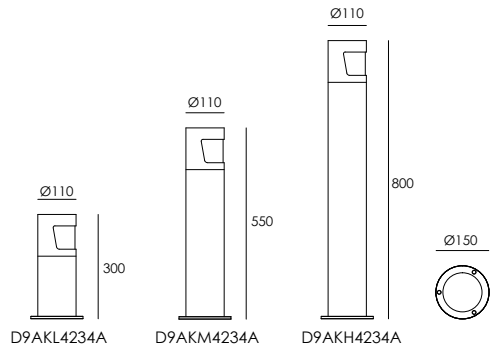


Lux distance curve

Center Beam LUX	Beam Width V	Beam Width H
0.03 LUX	7.1m	3.0m
0.01 LUX	14.1m	6.0m
0.00 LUX	21.2m	9.0m
0.00 LUX	28.2m	12.0m
0.00 LUX	35.3m	15.0m
0.00 LUX	42.3m	18.0m

Vert.Spread:120.9 Horiz.Spread:73.8

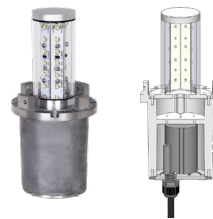
Difussion 6 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9AKL4234A	300	42×0.2W OSRAM	DC 24	DC 24=415	DC 24=10.0	CW=450 WW=350	05
D9AKM4234A	550		120	120=73	120=8.6		
D9AKH4234A	800		240	240=38	240=8.2		

- HOUSING** T=60-80μm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD2835
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- BASE** Flange base
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

Modular Light Source and Power with IP-66



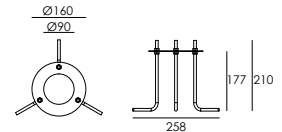
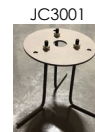
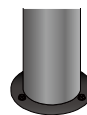
- IP66 light source module with pc cover
- IP66 built-in power module
- IP67 cable gland

REGULAR PAINTING COLOR

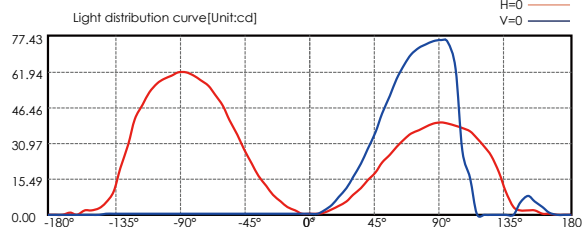
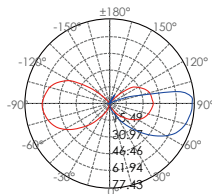
- Basic
- Sanded Black RAL 9005
- Secondary
- Dark Grey KAP 7037
 - Light Sanded Grey RAL 7038

INSTALLATION BASE

- Flange Base (included)
- Inground Base (option)



PHOTOMETRIC

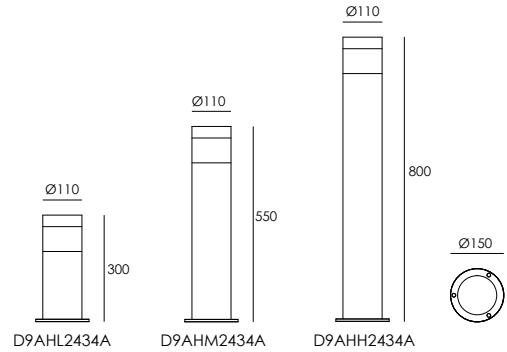


Light distance curve

Distance (m)	Center Beam LUX	Beam Width (m)
2m	0.10 LUX	0.0m 2.2m
4m	0.03 LUX	0.0m 4.5m
6m	0.01 LUX	0.0m 6.7m
8m	0.01 LUX	0.0m 8.9m
10m	0.00 LUX	0.0m 11.1m
12m	0.00 LUX	0.0m 13.4m

Vert. Spread: 0.0 Horiz. Spread: 58.2

Difussion 7 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9AHL2434A	300	24x0.2W NICHIA	DC 24	DC 24=200	DC 24=4.8	300	07
D9AHM2434A	550		120	120=80	120=6.0		
D9AHH2434A	800		240	240=50	240=6.1		

- HOUSING** T=60-80µm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD3030
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2x1.0mm², L=0.5m
120V/240V: H05RN-F 3x1.0mm², L=0.5m
- BASE** Flange base
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

Modular Light Source and Power with IP-66



- IP66 light source module pc cover
- IP66 built-in power module
- IP67 cable gland

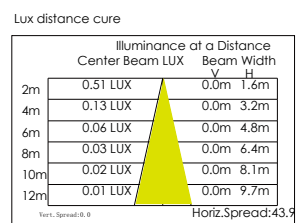
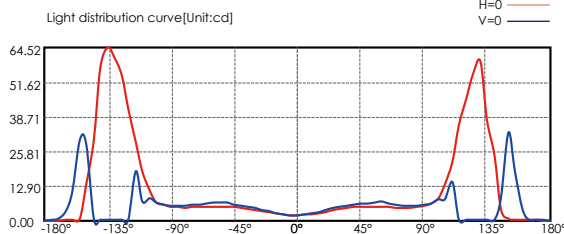
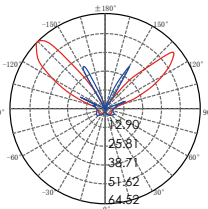
REGULAR PAINTING COLOR

- Basic** Sanded Black RAL 9005
- Secondary** Dark Grey KAP 7037
- Light Sanded Grey RAL 7038

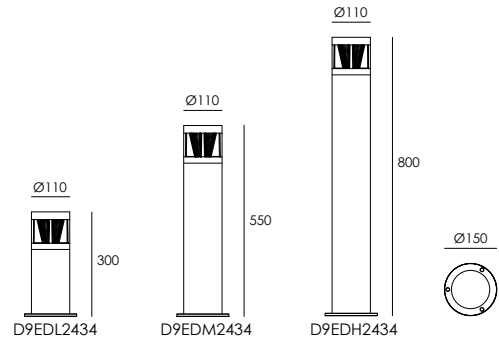
INSTALLATION BASE

- 1. Flange Base(included)
 - 2. Inground Base(option)
-

PHOTOMETRIC



Styling 2 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9EDL2434	300	24×0.2W NICHIA	DC 24	DC 24=250	DC 24=6.0	264.5	07
D9EDM2434	550		120	120=95	120=6.7		
D9EDH2434	800		240	240=50	240=6.5		

- HOUSING** T=60-80µm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD3030
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- BASE** Flange base
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

Modular Light Source and Power with IP-66



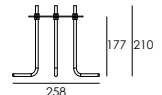
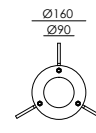
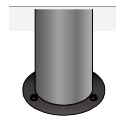
- IP66 light source module with pc cover
- IP66 built-in power module
- IP67 cable gland

REGULAR PAINTING COLOR

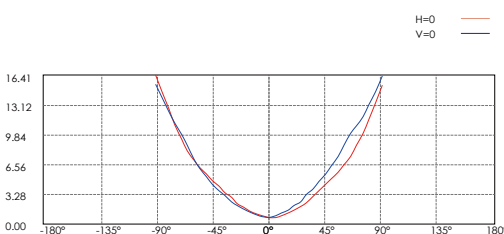
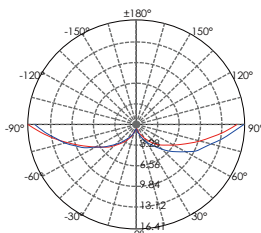
- Basic** Sanded Black RAL 9005
- Secondary** Dark Grey KAP 7037
- Light Sanded Grey RAL 7038

INSTALLATION BASE

- 1. Flange Base(included)
- 2. Inground Base(option)



PHOTOMETRIC

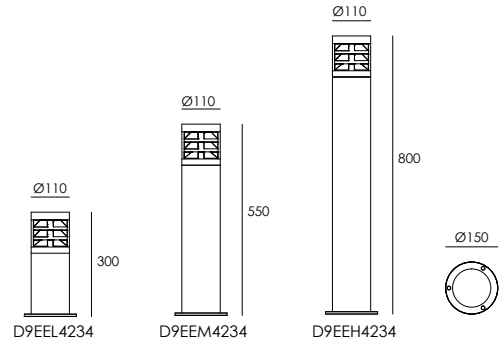


Lux distance Curve

Distance (m)	Center Beam LUX	Beam Width (m)	Beam Height (m)
2m	0.18 LUX	170.7m	0.1m
4m	0.05 LUX	341.4m	0.2m
6m	0.02 LUX	512.1m	0.3m
8m	0.01 LUX	682.8m	0.3m
10m	0.01 LUX	853.5m	0.4m
12m	0.01 LUX	1024.2m	0.5m

Vert.Spread:177.4 Horiz.Spread:2.5

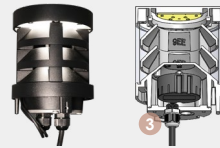
Styling 2 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9EEL4234	300	24×0.2W NICHIA	DC 24	DC 24=250	DC 24=6.0	79	07
D9EEM4234	550		120	120=95	120=6.7		
D9EEH4234	800		240	240=50	240=6.5		

- HOUSING** T=60-80μm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD3030
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- BASE** Flange base
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

Modular Light Source and Power with IP-66



- 1 IP66 light source module with pc cover
- 2 IP66 built-in power module
- 3 IP67 cable gland

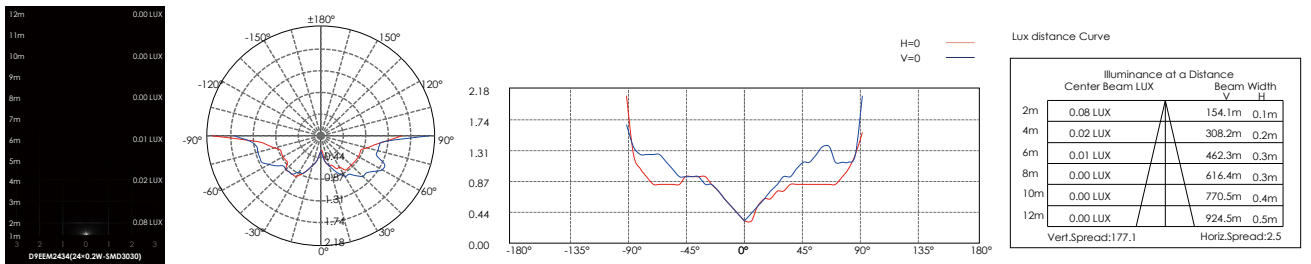
REGULAR PAINTING COLOR

- Basic** Sanded Black RAL 9005
- Secondary** Dark Grey KAP 7037
- Light Sanded Grey RAL 7038

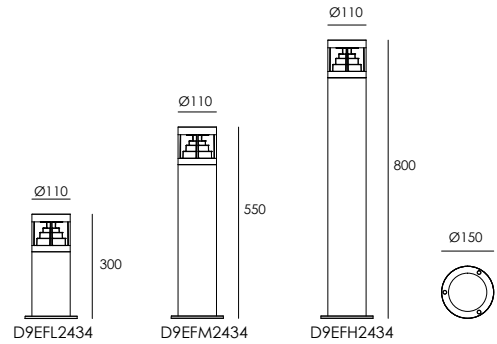
INSTALLATION BASE

1. Flange Base(included)
 2. Inground Base(option)
-

PHOTOMETRIC



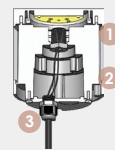
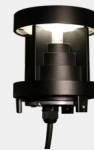
Styling 3 Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9EFL2434	300	24×0.2W NICHIA	DC 24	DC 24=250	DC 24=6.0	127	07
D9EFM2434	550		120	120=95	120=6.7		
D9EFH2434	800		240	240=50	240=6.5		

- HOUSING** T=60-80μm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD3030
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- BASE** Flange base
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

Modular Light Source and Power with IP-66



- 1 IP66 light source module with pc cover
- 2 IP66 built-in power module
- 3 IP67 cable gland

REGULAR PAINTING COLOR

Basic

Sanded Black
RAL 9005

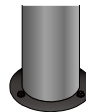
Secondary

Dark Grey
KAP 7037

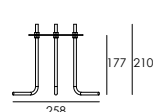
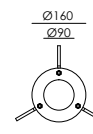
Light Sanded Grey
RAL 7038

INSTALLATION BASE

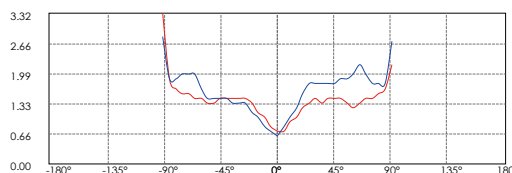
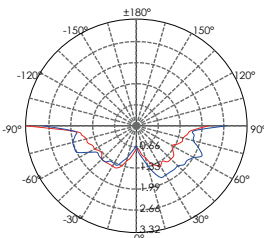
1. Flange Base(included)



2. Inground Base(option)



PHOTOMETRIC



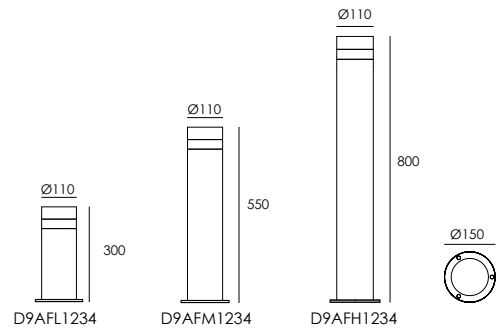
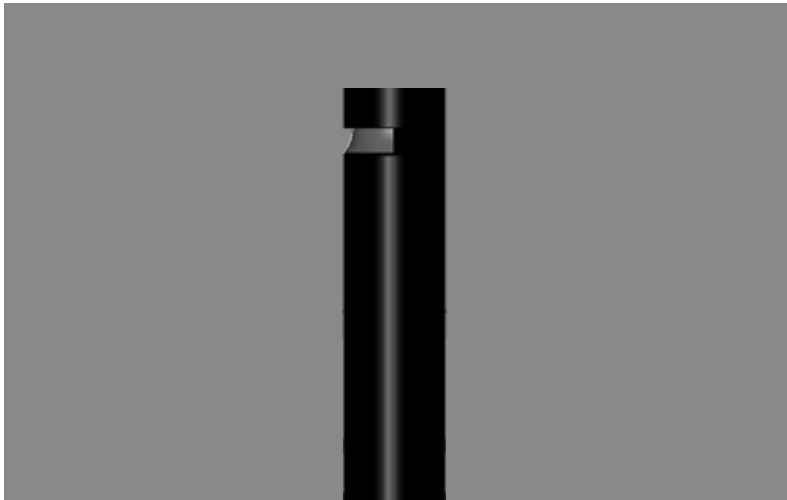
Lux distance Curve

Distance	Illuminance at a Distance	
	Center Beam LUX	Beam Width V H
2m	0.18 LUX	143.0m 176.9m
4m	0.05 LUX	286.1m 353.9m
6m	0.02 LUX	429.1m 530.8m
8m	0.01 LUX	572.2m 707.8m
10m	0.01 LUX	715.2m 884.7m
12m	0.01 LUX	858.3m 1061.7m

Vert.Spread:176.9 Horiz.Spread:177.5

Guide 1

Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9AFL1234	300	12x0.5W OSRAM	DC 24	DC 24=250	DC 24=6	168	N/A
D9AFM1234	550		120	120=60	120=7		
D9AFH1234	800		240	240=35	240=7		

HOUSING T=60-80µm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.

LIGHT WINDOW PMMA

LED SMD2835

LED DRIVER Constant Voltage Input, Constant Current Output

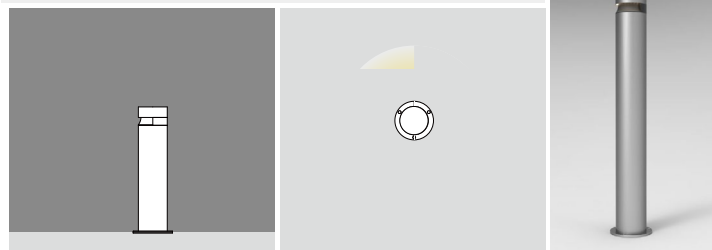
OPERATING TEMPERATURE -20°C~40°C

POWER CABLE Outside of luminaire
12V/24V: H05RN-F 2x1.0mm², L=0.5m
120V/240V: H05RN-F 3x1.0mm², L=0.5m

BASE Flange Base

DIMMING SUPPORT Triac PWM Available
1-10V Dali Customized

BEAM DEMO



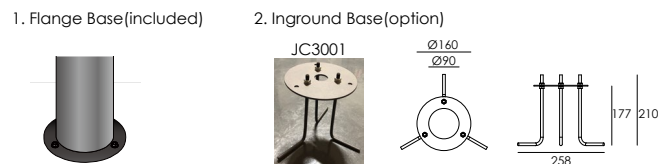
REGULAR PAINTING COLOR

Basic: Sanded Black RAL 9005

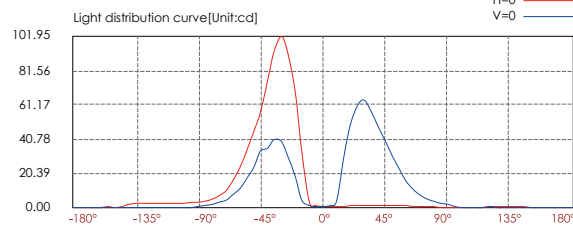
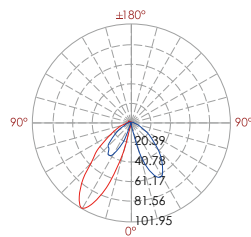
Secondary: Dark Grey KAP 7037

Light Sanded Grey RAL 7038

INSTALLATION BASE



PHOTOMETRIC

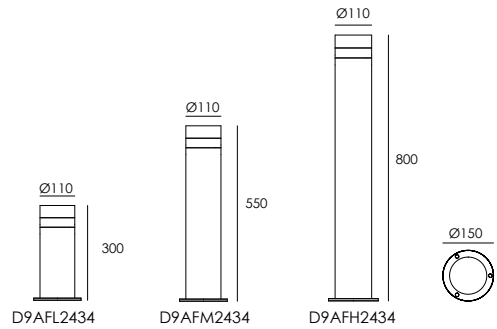


Center beam LUX	Beam width V	Beam width H
2m 0.16 LUX	1.1m	2.5m
4m 0.04 LUX	2.1m	5.0m
6m 0.02 LUX	3.2m	7.5m
8m 0.01 LUX	4.3m	10.0m
10m 0.01 LUX	5.4m	12.5m
12m 0.00 LUX	6.4m	15.1m

Vert. Spread: 30.0 Horiz. Spread: 64.2

Guide 2

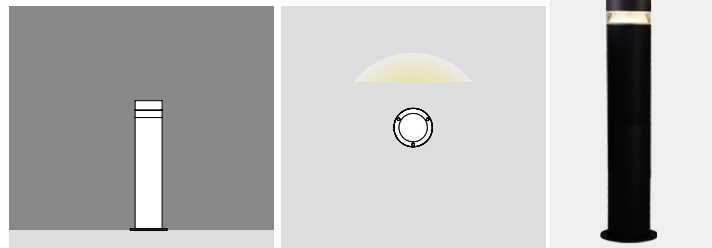
Bollard Light IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9AFL2434	300	24×0.5W OSRAM	DC 24	DC 24=500	DC 24=12	337	N/A
D9AFM2434	550		120	120=120	120=14		
D9AFH2434	800		240	240=60	240=14		

- HOUSING** T=60-80µm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD2835
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- BASE** Flange Base
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

BEAM DEMO



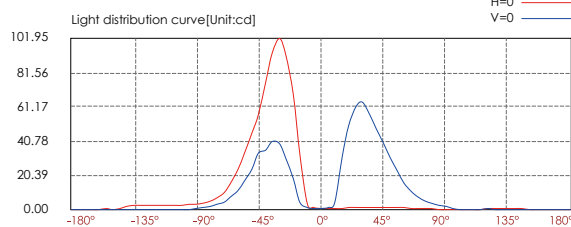
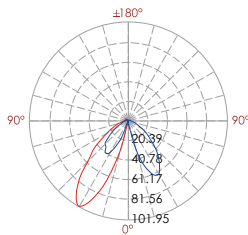
REGULAR PAINTING COLOR

- Basic**
 - Sanded Black RAL 9005
- Secondary**
 - Dark Grey KAP 7037
 - Light Sanded Grey RAL 7038

INSTALLATION BASE

1. Flange Base (included)
 2. Inground Base (option)
-

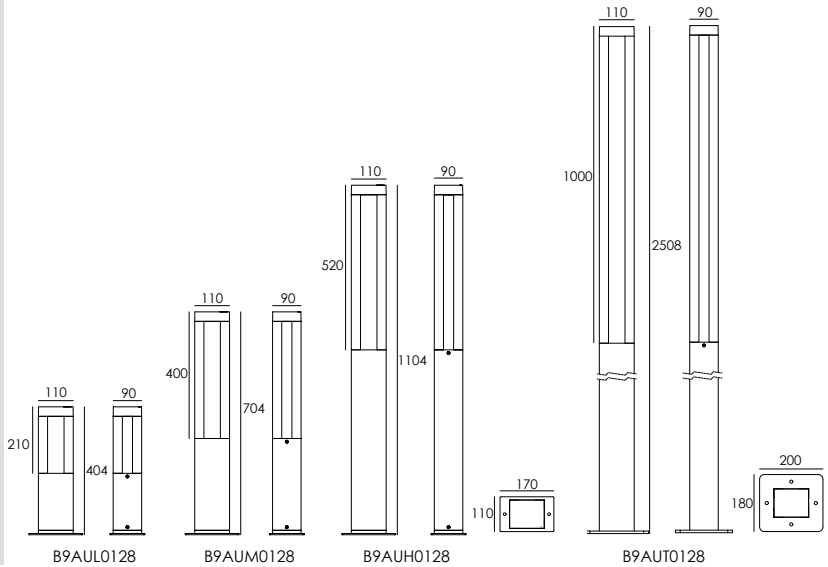
PHOTOMETRIC



Center beam LUX	Beam width V	H
2m 0.16 LUX	1.1m	2.5m
4m 0.04 LUX	2.1m	5.0m
6m 0.02 LUX	3.2m	7.5m
8m 0.01 LUX	4.3m	10.0m
10m 0.01 LUX	5.4m	12.5m
12m 0.00 LUX	6.4m	15.1m

Vert. Spread: 30.0 Horiz. Spread: 64.2

Bright 1 Bollard IP65



ITEM	HEIGHT(mm)	LIGHT SOURCE	LENS	SELECTED DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B9AUL0128	404	1×10W EDISON	B51	36°	240	49	11	329	07
B9AUM0128	704								
B9AUH0128	1104								
B9AUT0128	2508								

HOUSING

T=60-80um Adhesion of ISO class 1/ASTM class 4B
12# Die-casting powder coated aluminum.

LIGHT WINDOW

PMMA

LED

AC COB LED

LED DRIVER

Constant Voltage Input, Constant Current Output

OPERATING TEMPERATURE

-20°C~40°C

POWER CABLE

Outside of luminaire
120V/240V: H05RN-F 3×1.0mm², L=0.5m

REGULAR PAINTING COLOR

Basic

Sanded Black
RAL 9005

Secondary

Dark Grey
KAP 7037

Light Sanded Grey
RAL 7038

OPTICS



B51

20°

28°

36°

60°

Referenced Degree(°)Ø1/2

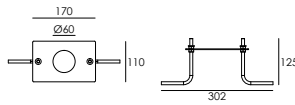
Bright 1 Bollard IP65

INSTALLATION BASE

1. Flange Base (included)

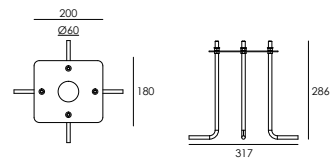


2. Inground Base (option)
JC3004



Fitted Item: B9AUL/M/H0128

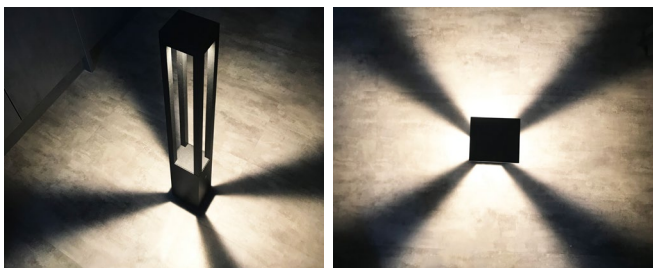
JC3005



Fitted Item: B9AUT0128

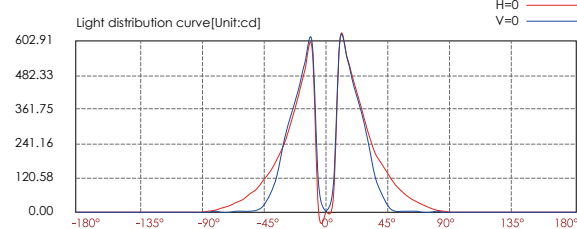
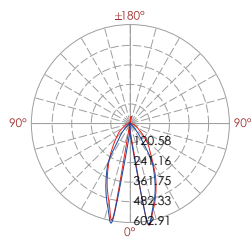
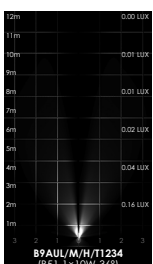
- Flange base is a basic part which you need to assemble the landing base.

BEAM DEMO



A & B Height can be customized

PHOTOMETRIC

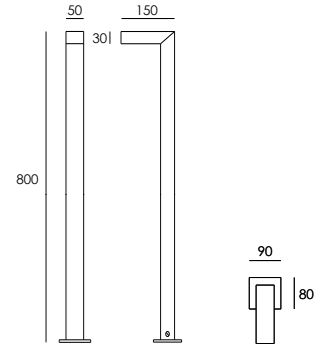
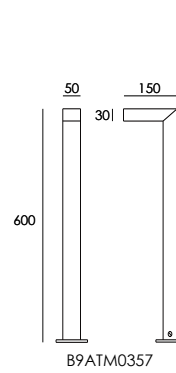


Lux distance curve

Center beam LUX	Beam width	
	V	H
2m 0.21 LUX	0.8m	2.2m
4m 0.05 LUX	1.6m	0.4m
6m 0.02 LUX	2.3m	0.7m
8m 0.01 LUX	3.1m	0.9m
10m 0.01 LUX	3.9m	1.1m
12m 0.01 LUX	4.7m	1.3m

Vert. Spread: 22.0 Horiz. Spread: 6.4

Bright 2 Bollard IP65

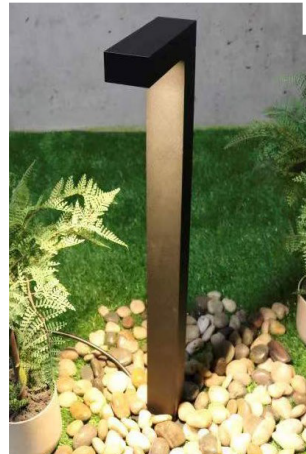


B9ATM0357

ITEM	HEIGHT(mm)	LIGHT SOURCE	LENS	SELECTED DEGREE(°)θ1/2	INPUT VOLTAGE(V)	OPERATING CURREN
B9ATM0357	600	3×2W OSRAM	B15	30°	DC 24	DC 24=290
B9ATH0357	800				120	120=71
					240	240=38

- HOUSING** T=60-80μm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
- LIGHT WINDOW** PMMA
- LED** SMD3030
- LED DRIVER** Constant Voltage Input, Constant Current Output
- OPERATING TEMPERATURE** -20°C~40°C
- POWER CABLE** Outside of luminaire
12V/24V: H05RN-F 2×1.0mm², L=0.5m
120V/240V: H05RN-F 3×1.0mm², L=0.5m
- DIMMING SUPPORT** Triac PWM Available
1-10V Dali Customized

BEAM DEMO



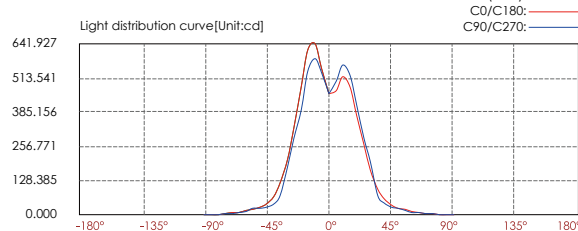
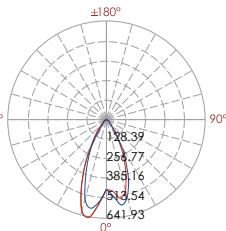
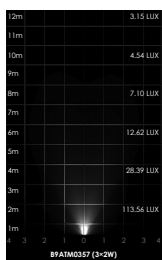
REGULAR PAINTING COLOR

- Basic**
 - Sanded Black RAL 9005
 - Dark Grey KAP 7037
 - Light Sanded Grey RAL 7038

OPTICS

Item	Referenced Degree(°)θ1/2
B15	10° 15° 20° 30°

PHOTOMETRIC

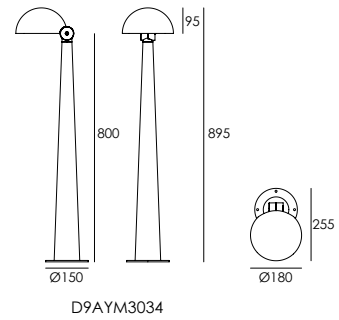
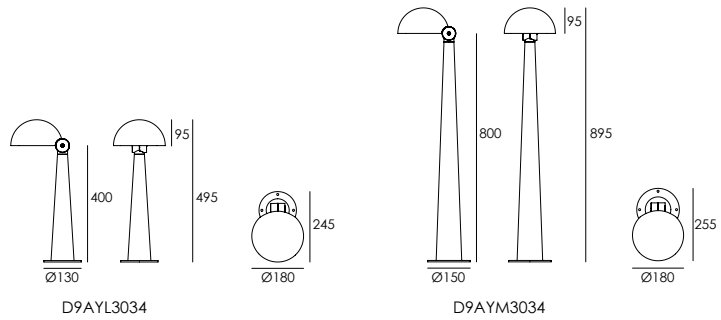


Lux distance curve

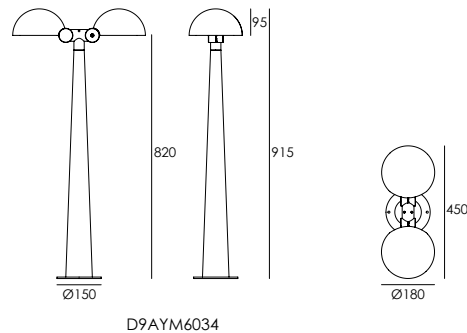
Distance (m)	Center beam LUX	Beam width V (m)	Beam width H (m)
2m	113.56 LUX	2.1m	2.1m
4m	28.39 LUX	4.3m	4.3m
6m	12.62 LUX	6.4m	6.4m
8m	7.10 LUX	8.5m	8.5m
10m	4.54 LUX	10.7m	10.7m
12m	3.15 LUX	12.8m	12.8m

Horiz.Spread:56.1 Vert.Spread:56.2

Bright 3 Bollard IP66



ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9AYL3034	495	30×0.5W OSRAM	DC 24	DC 24=770	DC 24=18.5	240=2054	05
D9AYM3034	895		240	240=90	240=19.5		






ITEM	HEIGHT(mm)	LIGHT SOURCE	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
D9AYM6034	915	30×0.5W×2 OSRAM	DC 24	DC 24=1540	DC 24=37	240=2054×2	05
			240	240=180	240=39		

Bright 4 Bollard IP66

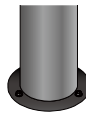
HOUSING	T=60-80μm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
LIGHT WINDOW	PC
LED	SMD3030
LED DRIVER	Constant Voltage Input, Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm ² , L=0.5m 120V/240V: H05RN-F 3×1.0mm ² , L=0.5m
BASE	Flange Base
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized

REGULAR PAINTING COLOR

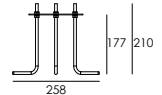
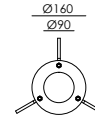
Basic	Secondary	
 Sanded Black RAL 9005	 Dark Grey KAP 7037	 Light Sanded Grey RAL 7038

INSTALLATION BASE

1. Flange Base(included)



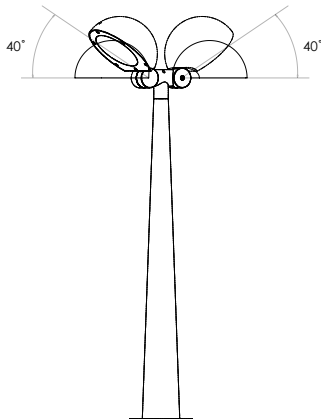
2. Inground Base(option)



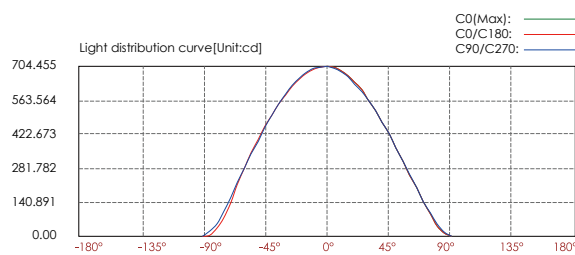
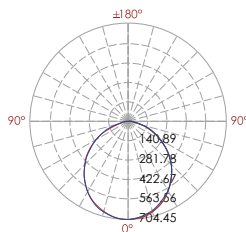
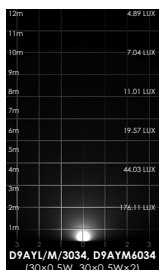
BEAM DEMO



ADJUSTABLE BEAM DIRECTION



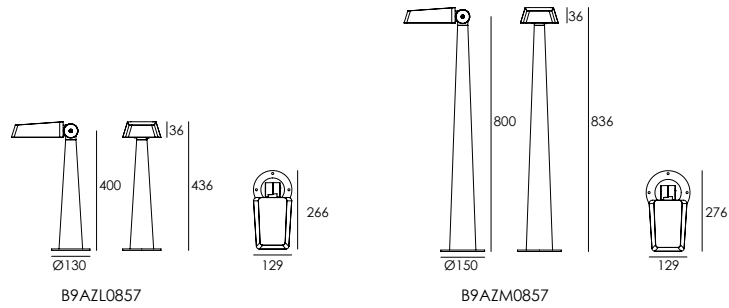
PHOTOMETRIC



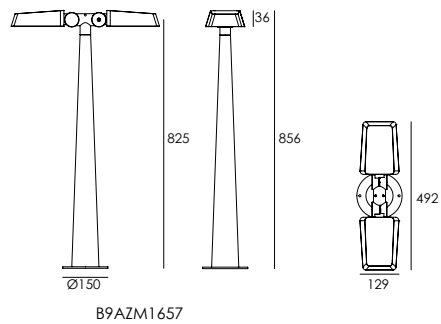
Lux distance cure

	Illuminance at a distance	
	Center beam LUX	Beam width H V
2m	176.11 LUX	5.3m 5.3m
4m	44.03 LUX	10.6m 10.5m
6m	19.57 LUX	15.9m 15.8m
8m	11.01 LUX	21.2m 21.1m
10m	7.04 LUX	26.5m 26.3m
12m	4.89 LUX	31.8m 31.9m
Horiz.Spread: 105.9		Vert.Spread: 105.6

Bright 4 Bollard IP66



ITEM	HEIGHT(mm)	LIGHT SOURCE	LENS	SELECTED DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B9AZL0857	436	8×1.5W OSRAM	A10	50°	DC 24	DC 24=554	DC 24=13.3	240=1210	08
B9AZM0857	836				120	120=115	120=14.2		
					240	240=62	240=14.0		






ITEM	HEIGHT(mm)	LIGHT SOURCE	LENS	SELECTED DEGREE(°)Ø1/2	INPUT VOLTAGE(V)	OPERATING CURRENT(MA)	CONSUMPTION(W)	LUMINANCE(LM)	IK
B9AZM1657	856	8×1.5W×2 OSRAM	A10	50°	DC 24	DC 24=1108	DC 24=26.6	240=1210×2	08
					120	120=230	120=28.4		
					240	240=124	240=28.0		

Bright 4 Bollard IP66

HOUSING	T=60-80µm Adhesion of ISO class 1/ASTM class 4B 12# Die-casting powder coated aluminum.
LIGHT WINDOW	PC
LED	SMD3030
LED DRIVER	Constant Voltage Input, Constant Current Output
OPERATING TEMPERATURE	-20°C~40°C
POWER CABLE	Outside of luminaire 12V/24V: H05RN-F 2×1.0mm², L=0.5m 120V/240V: H05RN-F 3×1.0mm², L=0.5m
BASE	Flange Base
DIMMING SUPPORT	Triac PWM Available 1-10V Dali Customized

REGULAR PAINTING COLOR

Basic	Secondary	
 Sanded Black RAL 9005	 Dark Grey KAP 7037	 Light Sanded Grey RAL 7038

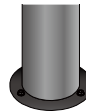
OPTICS

Referenced Degree(°)91/2

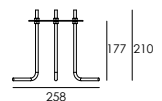
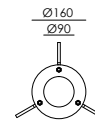
 A10	10°	20°	50°
---	-----	-----	-----

INSTALLATION BASE

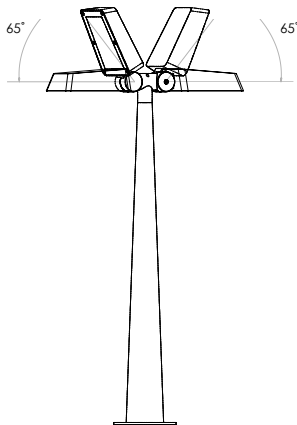
1. Flange Base(included)



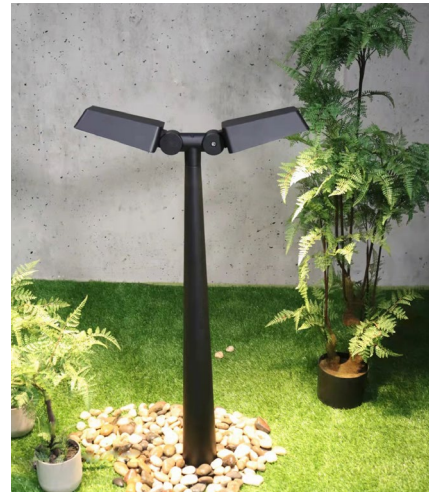
2. Inground Base(option)



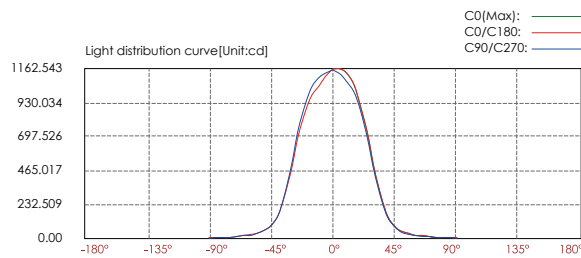
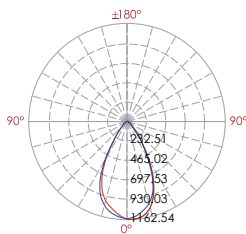
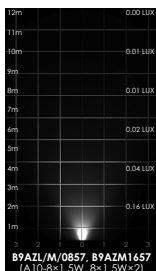
ADJUSTABLE BEAM DIRECTION



BEAM DEMO



PHOTOMETRIC



Lux distance curve

Center beam LUX	Beam width	
	V	H
2m 290.04 LUX	2.1m	2.1m
4m 72.51 LUX	4.3m	4.2m
6m 32.23 LUX	6.4m	6.4m
8m 18.13 LUX	8.5m	8.5m
10m 11.60 LUX	10.7m	10.6m
12m 8.06 LUX	12.8m	12.7m

Vert.Spread: 56.1 Horiz.Spread: 55.8

Contact details

IINNO Ltd

2101A Nan Fung Centre,
264-298 Castle Peak Road,
Tsuen Wan, Hong Kong

Tel: +852 2134 9906
+86 (0)769 23010151/2

M: +86 13922905402

Email: sales@iinno-lighting.com

www.iinno-lighting.com

