STREET LIGHTING
A DIVISION OF ASD LIGHTING PLC

HIGHWAY DIAMOND ELITE

Datasheet

The Highway Diamond Elite by ASD Lighting offers a complete family of luminaires with an unsurpassed flexibility of lumen outputs, optical distributions and specification features.

It is suitable for use in a multitude of locations, from rural villages through to modern 24 hour smart cities, main roads, motorways and infrastructure projects.

Four body sizes with modern sympathetic styling to ensure architects, planners and designers can follow an integrated design with a homogenous family of luminaires.

UK Manufactured

High Specification

High Efficacy

IP66

Tool Free Maintenance*

IK10

CE

ENEC

10 Day Delivery

* Excludes Micro Highway Diamond Elite

+44 (0) 1709 374898
info@asdlighting.com
asdstreetlighting.com

HIGHWAY DIAMOND ELITE

Suitable Applications

Footpath

Residential

Cycle Routes

Car Parks

Traffic Routes

Pedestrian

Rail

Infrastructure

Motorway

Highway Diamond Elite Range

Technical Data	Standard Features	Additional Detail
LED	✓	Designed solely for an LED light source
Driver	✓	DALI Programmable, CMS Compatible
Driver Current	Various	200 - 700 mA
Dimming	✓	Multiple Step / Part Night
Constant Light Output	✓	
Photometric Lens Options	✓ (Multiple)	Inc. Narrow / Medium / Wide / Extra Wide / Pedestrian Crossing
Luminaire Materials	Die-Cast Aluminium	Housing / Spigot / Fixing Clip
RAL Colours	Black / Light Grey	9005 / 9006
Correlated Colour Temperature	Various	Warm White / Neutral White / Cool White
Colour Rendering	> 80 > 72	Warm White Neutral White / Cool White
Ingress Protection Rating	IP66	Gear & LED Compartments
Impact Protection Rating	IK10	Optical Cover
Optical Cover	✓ Flat Cover	UV Stable Polycarbonate
Entry to Gear Compartment	Tool Free	Simple fixing clip
Driver Gear Tray Replacement	Tool Free (Excluding Micro Highway Diamond)	Completely replaceable without tools required
Inbuilt Anti-Tamper Facility	✓	Instructions provided in the luminaire
Protection Class	Class I	
Warranty Period	Standard 5 Years	Extended Warranties Available
Specification	✓ (Various)	Inc. CE Certification / ENEC Mark (Micro Highway Diamond documentation submited)
Design Life	100,000 hr	(L90, F10)
Mains Voltage	220-240 V / 50-60 Hz	
Operating Temperature Range	-40 to +55°c	Based on ambient external temperature
Surge Protection	Inbuilt Driver	10 kV (1 pulse) / 8 kV
Vibration Tested	✓	Certificates - EN 60068-2-6 & EN 60068-2-64 (Micro Highway Diamond documentation submitted)
Manufacturing Location	UK	

MICRO HIGHWAY DIAMOND ELITE

The Micro Highway Diamond is the smallest luminaire in the family. It is a high specification, high efficacy, UK manufactured luminaire delivering up to 4,000 lumens. Detailed below are some of the options and further features the Micro Highway Diamond has to offer.

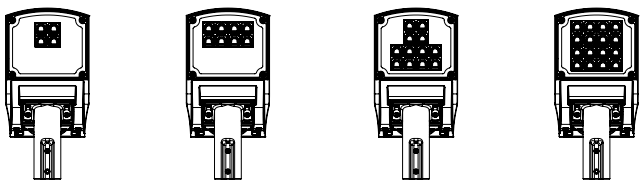
Micro Highway Diamond Elite

All features previously listed in the Micro Highway Diamond Elite Range (page 2) apply to this product.

Technical Data	Features	Additional Detail	Extras
LED Configuration	4 / 8 / 12 / 16		
System power watts	4 – 37 W		
Delivered lumens	300 - 4000 lm		
Weight (Excluding Spigot)	3.1kg		
Weight (Including Spigot)	3.5kg		
Windage	> 0.02m^2		
Mounting Options	Post Top Side Entry Side Entry	Ø 60 mm - Ø 76 mm Ø 60 mm - Ø 76 mm Ø 28 mm - Ø 42 mm	
Tilt - Post Top	0° / 5° / 10° / 15° / 20°		
Tilt – Side Entry	-10° / -5° / 0° / 5° / 10° / 15°		

Options			
Luminaire Colour	RAL5015 RAL6003 RAL6005 RAL6013 BS480000A01	Various RAL colours available	1 2
Switching	NEMA Type Sockets, Mini Cell, CMS Compatible		2
Pre-Wired	✓	Lengths and cable specification as requested	2

1 Specifiy at time of order, may affect lead time.
2 Specifiy at time of order, may incur an additional charge.

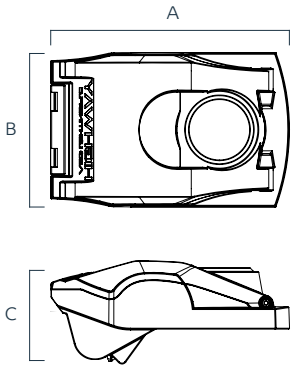


4 LED 8 LED 12 LED 16 LED

+44 (0) 1709 374898
info@asdlighting.com
asdstreetlighting.com

MICRO HIGHWAY DIAMOND ELITE

Code	
HWD2/ HWD2P/ HWD2S/	60 - 76mm spigot 60 - 76mm (Set as post top pre-wired only) 28 - 42mm spigot
Colour Finish	
B J	Black Light Grey
Correlated Colour Temperature	
3 4 57	3000K 4000K 5700K
LED Quantity	
LED4 LED8 LED12 LED16	4 LED 8 LED 12 LED 16 LED
Drive Current	
20 30 35 40 50 60 70	200mA 300mA 350mA 400mA 500mA 600mA 700mA
Switching (Only if requested)	
C NS 7NS	Mini Cell NEMA Socket 7 Pin NEMA Socket Other switching systems available on request
Optics	
-S4 As above Insert optic code required	S4 Optic S0 / S1 / S2 / S3 / S5 / S6 / S7 / S8 / M1 / M2 / M3 / M4 / M5 / M6 / M7 / M8 / F0 / F1 / F2 / F3 / F4 / A1 / A2 / A3 / A4 / A5
Pre-wired (Only if requested)	
W8 As above Insert cable length as required	8 metre Pre-wired 3 core flex (1.5mm) 2.5mm flex available upon request

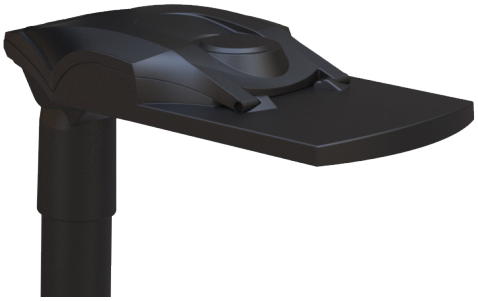


A	255mm
B	165mm
C	111mm

Code Example

HWD2/B4LED835C-S1-W6

Micro Highway Diamond Elite™ 60-76mm spigot, Black Finish, 4000K, 8 LED, 350mA, Mini Cell, S1 Optic, 6m Pre-wired.



HIGHWAY DIAMOND ELITE

The Highway Diamond is the original luminaire in the family. It is a high specification, high efficacy, UK manufactured luminaire delivering up to 11,000 lumens. Detailed below are some of the options and further features the Highway Diamond has to offer.

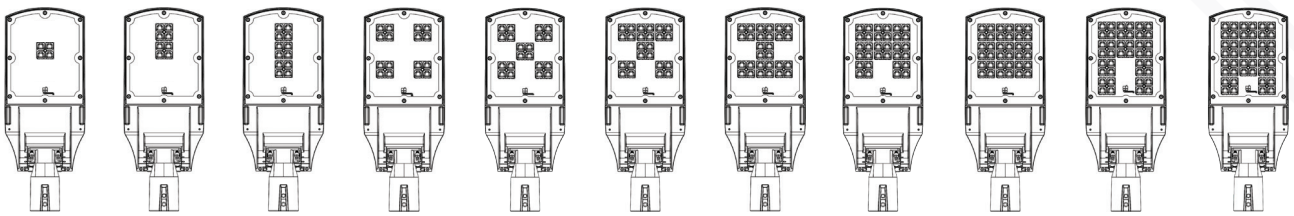
Highway Diamond Elite

All features previously listed in the Highway Diamond Elite Range (page 2) apply to this product.

Technical Data	Features	Additional Detail	Extras
LED Configuration	4 / 8 / 12 / 16 / 20 / 24 / 28 / 32 / 36 / 40 / 44		
System power watts	4 – 95 W		
Delivered lumens	300 - 11044 lm		
Weight (Excluding Spigot)	4.27kg 4.47kg	4 – 16 LED 16 – 44 LED	
Weight (Including Spigot)	4.57kg 4.97kg	4 – 16 LED 16 – 44 LED	
Windage	> 0.04m^2		
Mounting Options	Post Top Side Entry Side Entry	Ø 60 mm - Ø 76 mm Ø 60 mm - Ø 76 mm Ø 28 mm - Ø 42 mm	
Tilt - Post Top	0° / 5° / 10° / 15° / 20°		
Tilt – Side Entry	-10° / -5° / 0° / 5° / 10° / 15°		
Options			
Luminaire Colour	RAL5015 RAL6003 RAL6005 RAL6013 BS480000A01	Various RAL colours available	1 2
Switching	NEMA Type Sockets, Mini Cell, CMS Compatible		2
Pre-Wired	✓	Lengths and cable specification as requested	2
Optional Features			
Auto Disconnect	✓	Switches unit off upon opening	2
PIR	✓		1 2

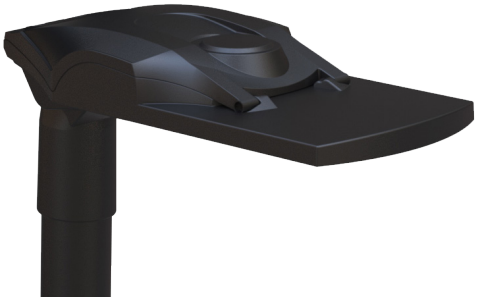
1 Specify at time of order, may affect lead time.

2 Specify at time of order, may incur an additional charge.



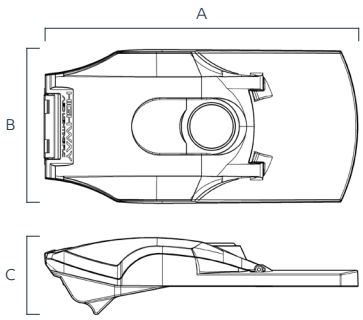
4 LED 8 LED 12 LED 16 LED 20 LED 24 LED 28 LED 32 LED 36 LED 40 LED 44 LED

+44 (0) 1709 374898
info@asdlighting.com
asdstreetlighting.com



HIGHWAY DIAMOND ELITE

Code	
HWD/ HWDP/ HWDS/	60 - 76mm spigot 60 - 76mm (Set as post top pre-wired only) 28 - 42mm spigot
Colour Finish	
B J	Black Light Grey
Correlated Colour Temperature	
3 4 57	3000K 4000K 5700K
LED Quantity	
LED4 LED8 LED12 LED16 LED20 LED24 LED28 LED32 LED36 LED40 LED44	4 LED 8 LED 12 LED 16 LED 20 LED 24 LED 28 LED 32 LED 36 LED 40 LED 44 LED
Drive Current	
20 30 35 40 50 60 70	200mA 300mA 350mA 400mA 500mA 600mA 700mA
Switching (Only if requested)	
C NS 7NS	Mini Cell NEMA Socket 7 Pin NEMA Socket Other switching systems available on request
Optics	
-S4 As above Insert optic code required	S4 Optic S0 / S1 / S2 / S3 / S5 / S6 / S7 / S8 / M1 / M2 / M3 / M4 / M5 / M6 / M7 / M8 / F0 / F1 / F2 / F3 / F4 / A1 / A2 / A3 / A4 / A5
Pre-wired (Only if requested)	
W8 As above Insert cable length as required	8 metre Pre-wired 3 core flex (1.5mm) 2.5mm flex available upon request

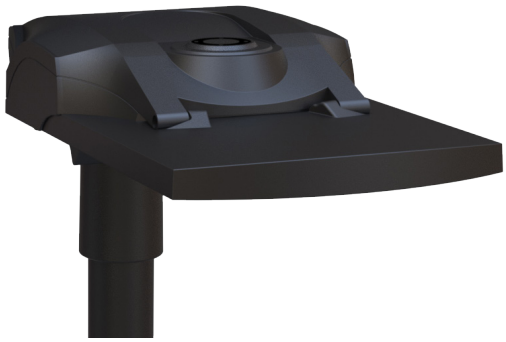


A	476mm
B	233mm
C	116mm

Code Example

HWD/B4LED835C-S1-W6

Highway Diamond Elite™ 60-76mm spigot, Black Finish, 4000K, 8 LED, 350mA, Mini Cell, S1 Optic, 6m Pre-wired.



MIDI HIGHWAY DIAMOND ELITE

The Midi Highway Diamond is a new edition to the Highway Diamond Elite range with enhanced high specification features. It is a high efficacy, UK manufactured luminaire delivering up to 25,000 lumens. Detailed below are some of the options and further features the Midi Highway Diamond has to offer.

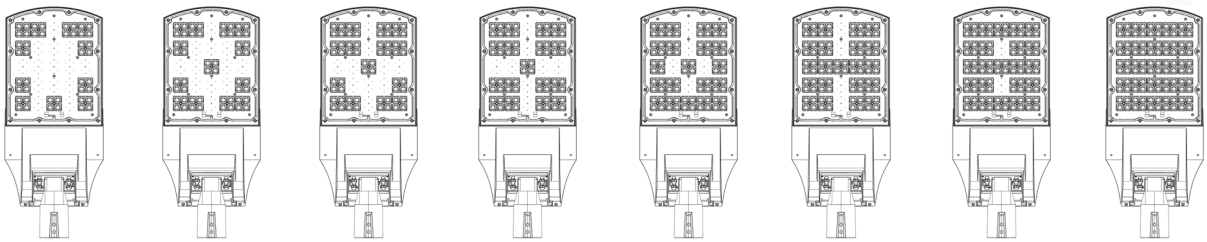
Midi Highway Diamond Elite

All features previously listed in the Highway Diamond Elite Range (page 2) apply to this product.

Technical Data	Features	Additional Detail	Extras
LED Configuration	44 / 52 / 60 / 68 / 76 / 84 / 92 / 100		
System power watts	48 – 211 W		
Delivered lumens	4,832 - 24,341 lm		
Weight (Excluding Spigot)	> 11.5kg	44 – 100 LED (Weight varies dependent on driver configuration)	
Weight (Including Spigot)	> 12.5kg	44 – 100 LED (Weight varies dependent on driver configuration)	
Windage	> 0.11m^2		
Mounting Options	Post Top Side Entry Side Entry	Ø 60 mm - Ø 76 mm Ø 60 mm - Ø 76 mm Insert reducers available for smaller diameters	
Tilt - Post Top	-5° / 0° / 5° / 10° / 15°		
Tilt – Side Entry	-10° / -5° / 0° / 5° / 10° / 15°		
Auto Disconnect	✓	Switches unit off upon opening	
Options			
Luminaire Colour	RAL5015 RAL6003 RAL6005 RAL6013 BS480000A01	Various RAL colours available	1 2
Switching	NEMA Type Sockets, Mini Cell, CMS Compatible		2
Pre-Wired	✓	Lengths and cable specification as requested	2
Optional Features			
PIR	✓		1 2

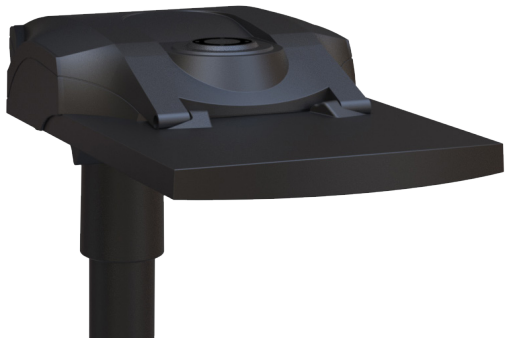
1 Specify at time of order, may affect lead time.

2 Specify at time of order, may incur an additional charge.



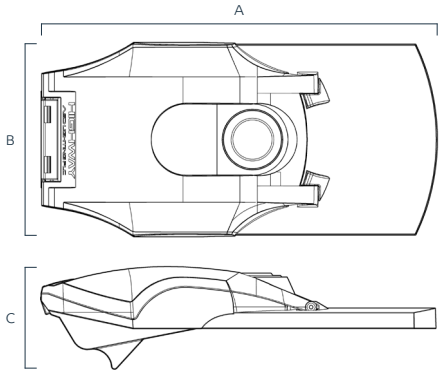
44 LED | 52 LED | 60 LED | 68 LED | 76 LED | 84 LED | 92 LED | 100 LED

+44 (0) 1709 374898
info@asdlighting.com
asdstreetlighting.com



MIDI HIGHWAY DIAMOND ELITE

Code	
HWD6/ HWDP6/	60 - 76mm spigot 60 - 76mm (Set as post top pre-wired only)
Colour Finish	
B J	Black Light Grey
Correlated Colour Temperature	
3K 4K 57K	3000K 4000K 5700K
LED Quantity	
44 52 60 68 76 84 92 100	44 LED 52 LED 60 LED 68 LED 76 LED 84 LED 92 LED 100 LED
Drive Current	
20 30 35 40 50 60 70	200mA 300mA 350mA 400mA 500mA 600mA 700mA
Switching (Only if requested)	
C NS 7NS	Mini Cell NEMA Socket 7 Pin NEMA Socket Other switching systems available on request
Optics	
-S4 As above Insert optic code required	S4 Optic S0 / S1 / S2 / S3 / S5 / S6 / S7 / S8 / M1 / M2 / M3 / M4 / M5 / M6 / M7 / M8 / F0 / F1 / F2 / F3 / F4 / A1 / A2 / A3 / A4 / A5
Pre-wired (Only if requested)	
W10 As above Insert cable length as required	10 metre Pre-wired 3 core flex (1.5mm) 2.5mm flex available upon request



A	672mm
B	329mm
C	173mm

Code Example

HWD6/B4K6850-M1-W10

Midi Highway Diamond Elite™ 60-76mm Spigot, Black Finish, 4000K, 68 LED, 500mA, M1 Optic, 10m Pre-wired.

MAXI HIGHWAY DIAMOND ELITE

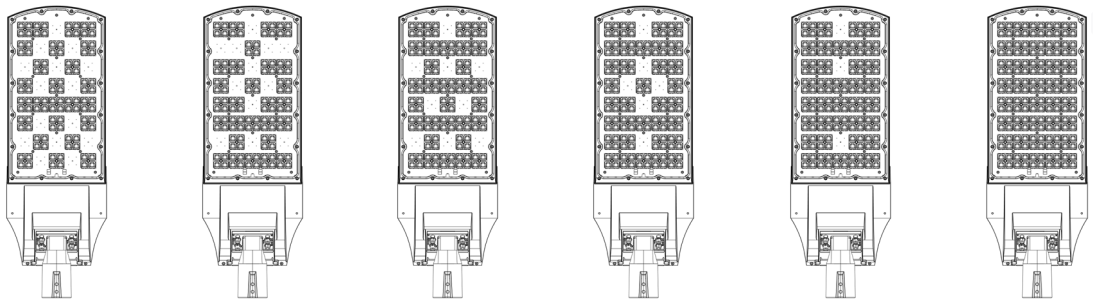
The Maxi Highway Diamond is the latest member of the Highway Diamond Elite family, with the same enhanced high specification features of the Maxi Highway Diamond. It is a high efficacy, UK manufactured luminaire delivering up to 40,000 lumens. Detailed below are some of the options and further features the Maxi Highway Diamond has to offer.

Maxi Highway Diamond Elite

All features previously listed in the Highway Diamond Elite Range (page 2) apply to this product.

Technical Data	Features	Additional Detail	Extras
LED Configuration	100 / 112 / 124 / 136 / 148 / 160		
System power watts	106 – 338 W		
Delivered lumens	11,515 - 39,608 lm		
Weight (Excluding Spigot)	<14.5kg	100 – 160 LED (Weight varies dependent on driver configuration)	
Weight (Including Spigot)	<15.5kg	100 – 160 LED (Weight varies dependent on driver configuration)	
Windage	> 0.12m²		
Mounting Options	Post Top Side Entry Side Entry	Ø 60 mm - Ø 76 mm Ø 60 mm - Ø 76 mm Insert reducers available for smaller diameters	
Tilt - Post Top	-5° / 0° / 5° / 10° / 15°		
Tilt – Side Entry	-10° / -5° / 0° / 5° / 10° / 15°		
Auto Disconnect	✓	Switches unit off upon opening	
Options			
Luminaire Colour	RAL5015 RAL6003 RAL6005 RAL6013 BS480000A01	Various RAL colours available	1 2
Switching	NEMA Type Sockets, Mini Cell, CMS Compatible		2
Pre-Wired	✓	Lengths and cable specification as requested	2
Optional Features			
PIR	✓		1 2

1 Specifiy at time of order, may affect lead time.
2 Specifiy at time of order, may incur an additional charge.

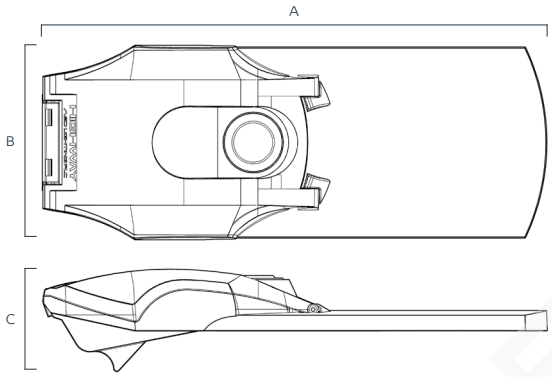


100 LED | 112 LED | 124 LED | 136 LED | 148 LED | 160 LED

+44 (0) 1709 374898
info@asdlighting.com
asdstreetlighting.com

MAXI HIGHWAY DIAMOND ELITE

Code	
HWD8/ HWDP8/	60 - 76mm spigot 60 - 76mm (Set as post top pre-wired only)
Colour Finish	
B J	Black Light Grey
Correlated Colour Temperature	
3K 4K 57K	3000K 4000K 5700K
LED Quantity	
100 112 124 136 148 160	100 LED 112 LED 124 LED 136 LED 148 LED 160 LED
Drive Current	
20 30 35 40 50 60 70	200mA 300mA 350mA 400mA 500mA 600mA 700mA
Switching (Only if requested)	
C NS 7NS	Mini Cell NEMA Socket 7 Pin NEMA Socket Other switching systems available on request
Optics	
-S4 As above Insert optic code required	S4 Optic S0 / S1 / S2 / S3 / S5 / S6 / S7 / S8 / M1 / M2 / M3 / M4 / M5 / M6 / M7 / M8 / F0 / F1 / F2 / F3 / F4 / A1 / A2 / A3 / A4 / A5
Pre-wired (Only if requested)	
W15 As above Insert cable length as required	15 metre Pre-wired 3 core flex (1.5mm) 2.5mm flex available upon request



A	858mm
B	329mm
C	173mm

Code Example

HWD8/B4K16050-M1-W15

Maxi Highway Diamond Elite™ 60-76mm Spigot, Black Finish, 4000K, 160 LED, 500mA, M1 Optic, 15m Pre-wired.