

NL-512-B



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of 450mm, 600mm, 750mm, 900mm	Max. Dia. 250mm
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LUMINAIRE ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-512-B-LED PAR	7W PAR20 LAMP	Wide Sym	7W
NL-512-B-701PLED	7Nos. 1W Power LED	Wide Sym	9W
NL-512-B-1201PLED	12Nos. 1W Power LED	Wide Sym	14W

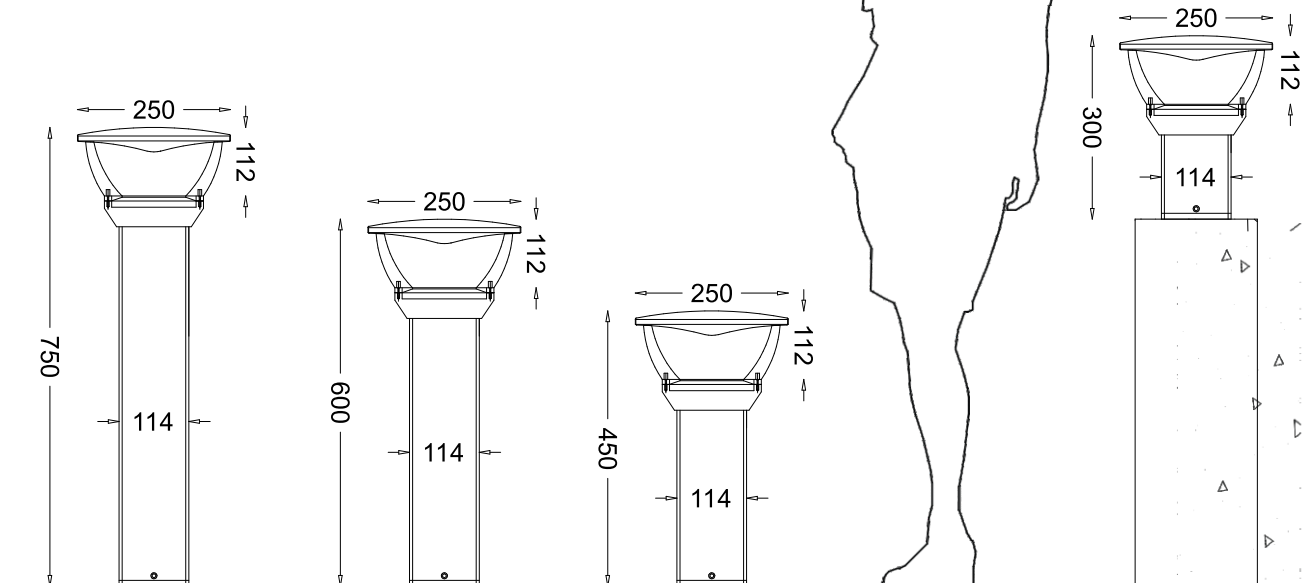
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Aluminium fabricated and precision finished housing surface finished. Heat resistant toughened glass diffuser, silicone gaskets, SS hardware. Duly fabricated and precision finished. The housing is AiNL fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Optical Components: Power supply comprises of AC-DC/DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection. Thermal Cut Off Protection for extended life time performance.

Electrical Components: Luminaire available in CFL, MH, PAR, LED Lamps for varied application connected with a High Efficiency AiNL Ballast or Driver for optimal lighting performance. (Refer to Code References for Luminaire Selection).



1. Indirect Luminaire - Reduced Upward Light Pollution

LANDSCAPE BOLLARDS



NL-533

LANDSCAPE BOLLARDS



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of
450mm, 600mm,
750mm, 900mm

Max.
Ht.
900mm

LUMINAIRE ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-533-2-501PLED-__mm	5 Nos.1W Power LED	Wide Sym	10W
NL-533-2-7.501PLED-__mm	5 Nos.1.5W Power LED	Wide Sym	15W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Extruded & Cast Aluminum Housing with Acrylic/Glass Diffuser used through a AiNL Silicon Gasket for protection from insects.

Optical Component: High Purity AiNL Spun aluminum anodized reflector for Optimal wide diffused light distribution.

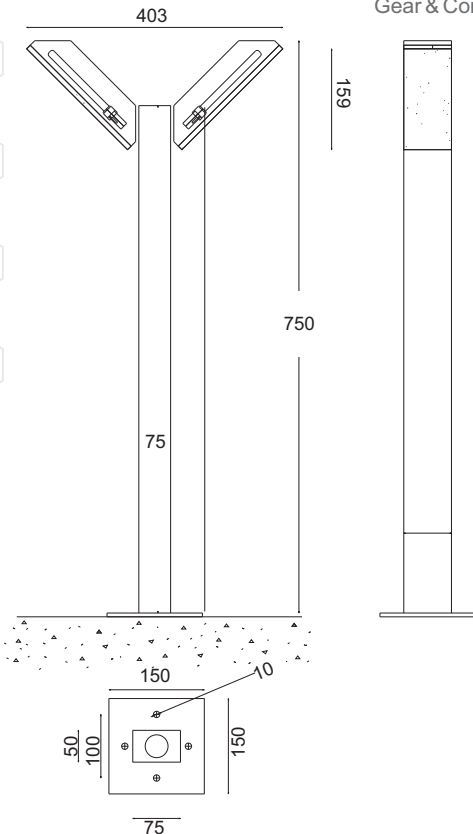
Electrical Component: Luminaire suitable for CFL/LED Lamps, High efficiency Integral AiNL Control Gear & Constant Current LED Driver for CFL & LED Respectively. Lamps duly wired to the Control Gear.

MOUNTING SUITABILITY

FLOOR STANDING ON PCC PEDESTAL

INGRESS PROTECTION

IP Rating: IP65



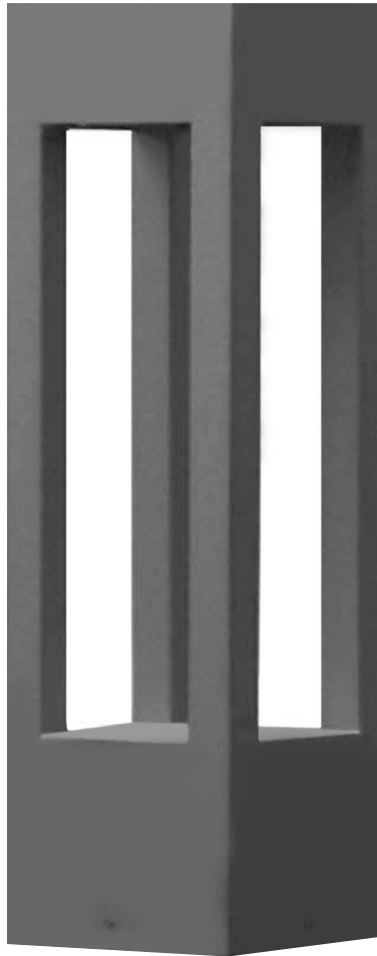
NOTE

1. Indirect Luminaire - Reduced Upward Light Pollution

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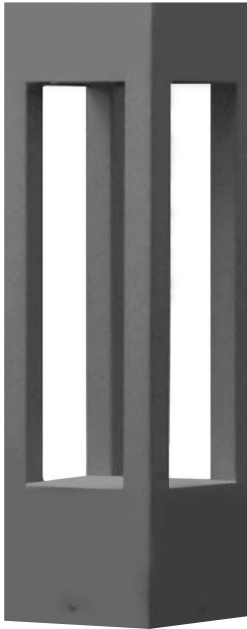
NL-534

BOLLARD LUMINAIRE



LANDSCAPE BOLLARDS





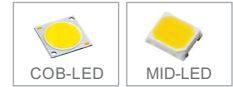
APPLICATIONS



PROTECTION

IP Rating: IP65
IK Rating: IK08

LAMP SUITABILITY



MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL

DIMENSIONS

Luminaire

Available in Heights of 450mm,600mm,750mm 900mm,1200mm	Luminaire Width 225mm	Luminaire Length 225mm
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LUMINAIRE ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-534-10W-MLED	10W-Mid Power LED	Direct Down	7W
NL-534-12W-COB	12W-COB LED	Direct Down	12W
NL-534-20W-COB	20W-COB LED	Direct Down	20W

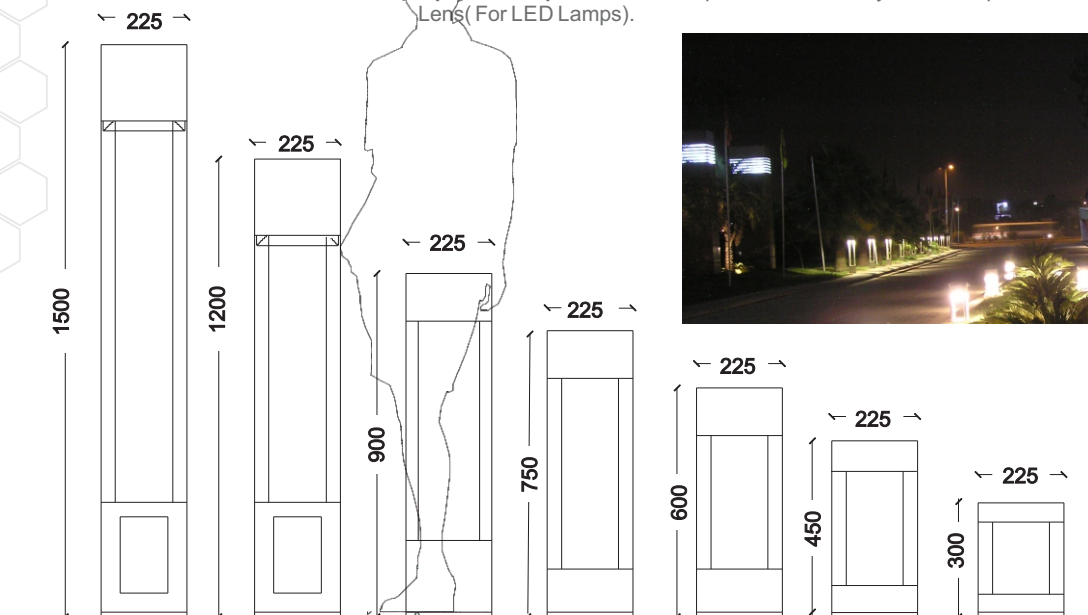
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded & Multiple compartments of sheet metal housing fabricated to high precision. Aluminum, heavy duty all weather tough body. An auxiliary reflector is provided for wide beam distribution. Heat Resistant toughened glass clear diffuser, built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power supply comprises of AC-DC/DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection . Thermal Cut Off Protection for extended life time performance.

Optical Component: Comprises of a Primary Internal Spun Aluminum Reflector/ High Efficiency Lens (For LED Lamps).



NOTE

Downward Lighting - Reduces Lighting Pollution

NL-534-Grill

BOLLARD LUMINAIRE



LANDSCAPE BOLLARDS





NL-534-Grill

LANDSCAPE BOLLARDS



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of 450mm, 600mm	Luminaire Width 225mm	Luminaire Length 225mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-534-G-10W-MLED	10W-Mid-Power LED	Grill Formation	10W
NL-534-G-12W-COB	12W-COB LED	Grill Formation	12W
NL-534-G-20W-COB	20W-COB LED	Grill Formation	20W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded & Multiple compartments of sheet metal housing fabricated to high precision. Aluminum, heavy duty all weather tough body. An auxiliary reflector is provided for wide beam distribution. Heat Resistant toughened glass clear diffuser, built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is AiNL fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power supply comprises of AC-DC/DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection . Thermal Cut Off Protection for extended life time performance.

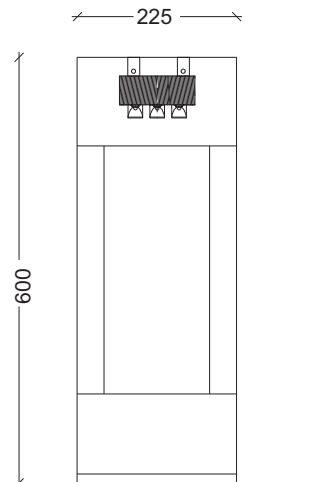
Optical Compartment: Comprises of a Primary Internal AiNL Spun Aluminum Reflector/ AiNL High Efficiency Lens for LED.

MOUNTING SUITABILITY

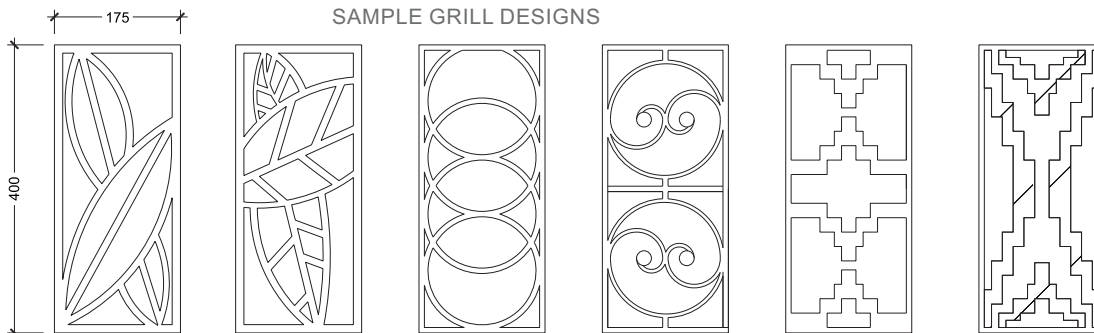
ON FLOOR-PCC LIGHT PEDESTAL

PROTECTION

IP Rating: IP65
IK Rating: IK10



SAMPLE GRILL DESIGNS



NOTE

Downward throw luminaire

XXX

NL-545



APPLICATIONS



LAMP SUITABILITY



POWER-LED

PROTECTION

IP Rating: IP65
IK Rating: IK07

DIMENSIONS

Luminaire

Available in Heights of 450mm, 600mm, 750mm, 900mm	Max. Dia. 125mm
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MOUNTING SUITABILITY

FLOOR -PEDESTAL MOUNTING



ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-545-701PLED - _ _ _mm	7Nos. of 1W Power LED	Sym	7W

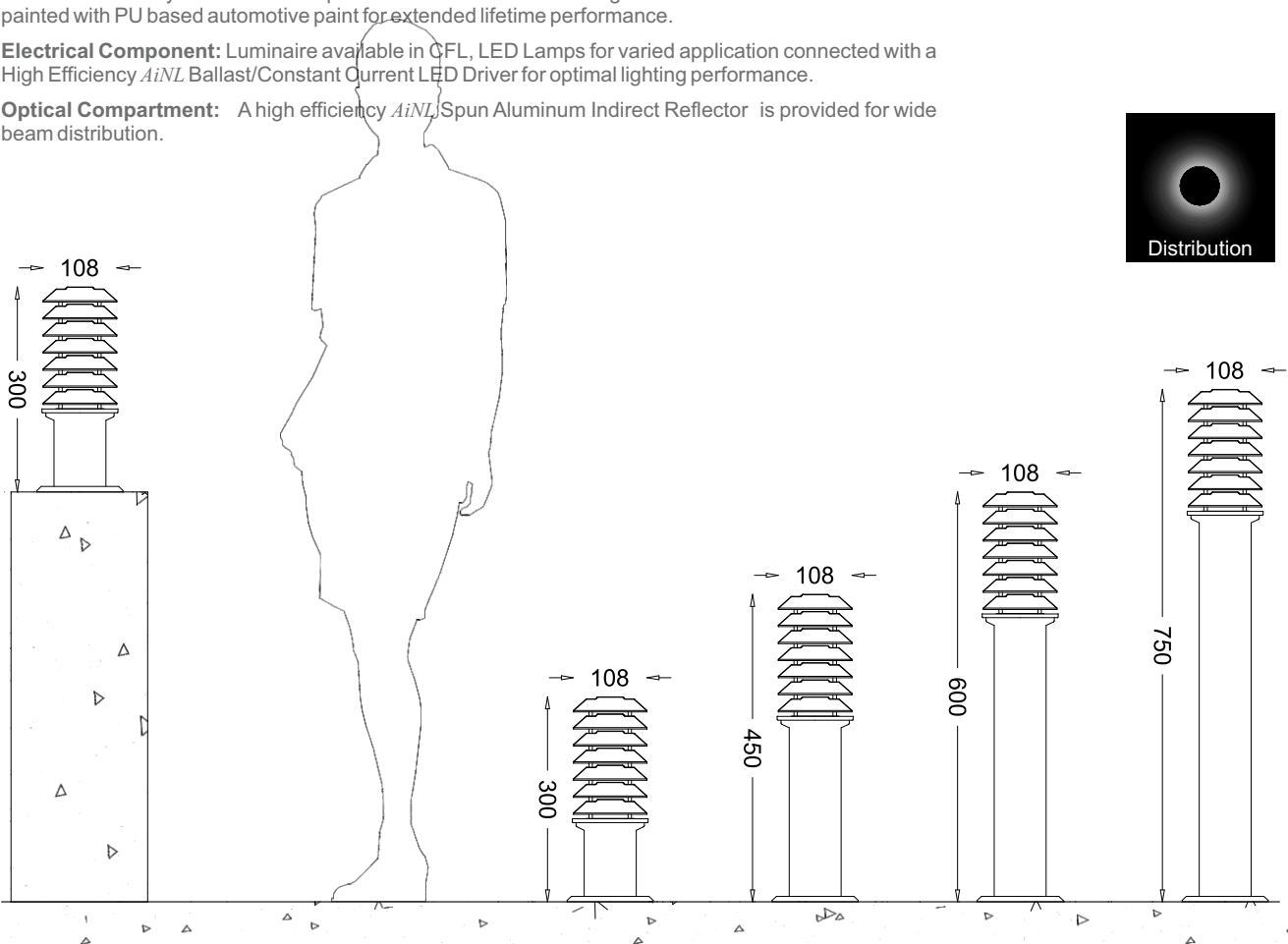
DESCRIPTION

BOLLARD LUMINAIRE

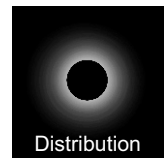
Housing: NOVA trademarked Luminaire comprises of extruded MS/Aluminum Pipe with Spun Aluminum Louvers for a heavy duty all weather tough body. An auxilliary reflector is provided for wide beam distribution. Heat Resistant toughened glass clear diffuser, built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is AiNL fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Luminaire available in CFL, LED Lamps for varied application connected with a High Efficiency AiNL Ballast/Constant Current LED Driver for optimal lighting performance.

Optical Compartment: A high efficiency AiNL Spun Aluminum Indirect Reflector is provided for wide beam distribution.



LANDSCAPE BOLLARDS





NL-586-5

LANDSCAPE BOLLARDS



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of
450mm, 600mm
750mm

Luminaire
Diameter
150mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-586-5-7W-MELD	MID POWER LED	Wide Sym	6W
NL-586-5-12W-MELD	MID POWER LED	Wide Sym	12W
NL-586-5-15W-MELD	MID POWER LED	Wide Sym	15W

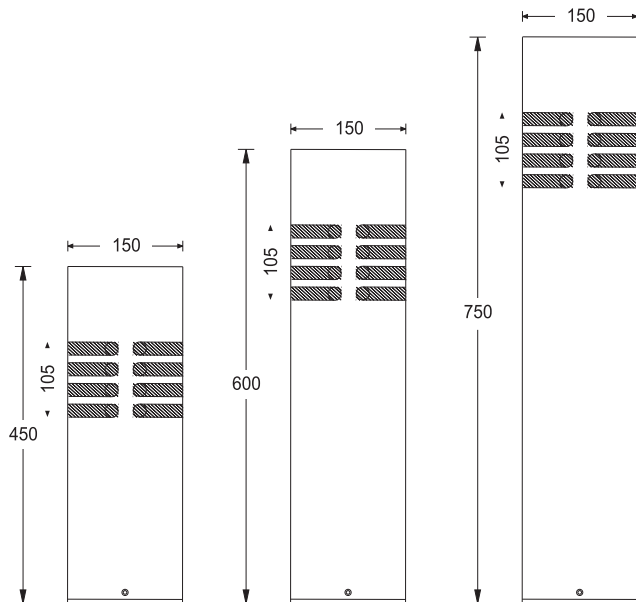
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded cylindrical Aluminum body with spun aluminum top cover for a heavy duty all weather tough body. Heat resistant cylindrical acrylic diffusers for general lighting, Provided with a Silicon Sealant for Protection from Insects entrance inside fixture. Built in optical control devices, SS allen head screws for connection to mounting base. Duly fabricated and precision finished. The housing is fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High voltage / Surge Protection, Thermal Cut Off Protection for extended Life time Performance.

Optical Compartment: Comprises of a milky white diffuser for general area diffused lighting



PROTECTION

IP Rating: IP56
IK Rating: IK08

MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL



1. Indirect Luminaire - Reduced Upward Light Pollution

NL-5356



APPLICATIONS



LAMP SUITABILITY



PROTECTION

IP Rating: IP65

DIMENSIONS

Luminaire

Available Luminaire Height 450mm, 600mm, 750mm	Dimensions 90mm x 45mm
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MOUNTING SUITABILITY

FLOOR STANDING



LANDSCAPE BOLLARDS

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5356-5W-PLED-ASY	5W Power LED Lamp	Asym	5W
NL-5356-10W-PLED-ASY	10W Power LED Lamp	Asym	10W
NL-5356-5W-MELD	5W MID LED Lamp	Sym	5W
NL-5356-10W-MELD	10W MID LED Lamp	Sym	10W

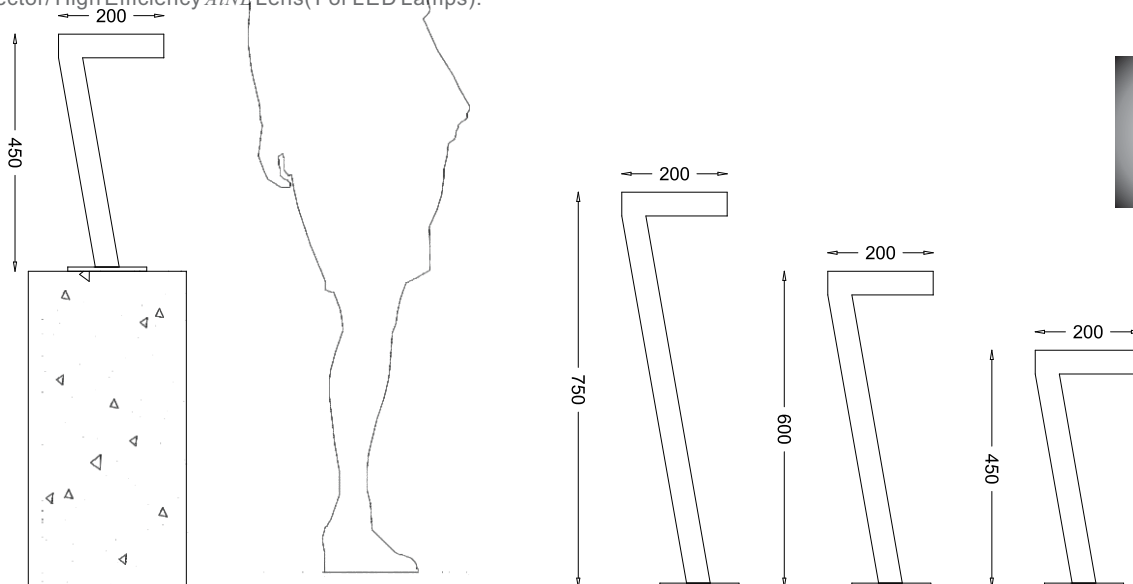
DESCRIPTION

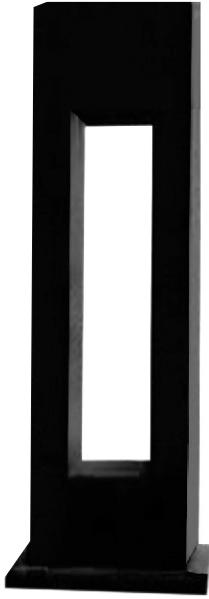
BOLLARD LUMINAIRE

Housing: Luminaire comprises body made of rolled pipe sections of Aluminum rectangular pipe duly finished. Heavy duty heat resistant acrylic diffuser provided with a Silicon Sealant and Gasket for Protection from Insects entrance inside fixture. Built in optical control devices, SS allen head screws. Duly *AiNL fabrication technique*. and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a *AiNL* Primary Internal Spun Aluminum Reflector/High Efficiency *AiNL* Lens (For LED Lamps).

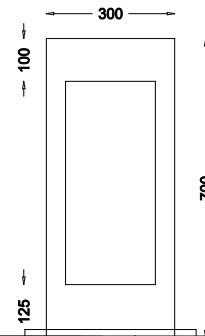
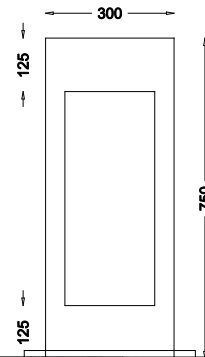
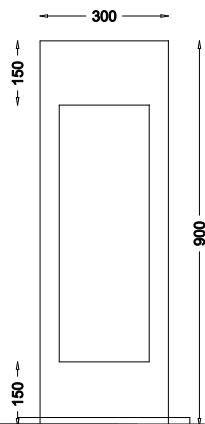
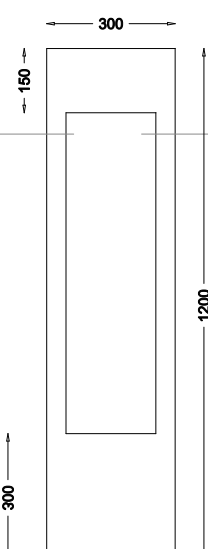




Top View



Front View



APPLICATIONS



LAMP SUITABILITY



INGRESS PROTECTION

IP Rating: IP65

MOUNTING SUITABILITY

FLOOR STANDING

DIMENSIONS

Luminaire

Available Luminaire Heights 450mm, 600mm 750mm	Length 300mm	Width 90mm
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LUMINAIRE ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-534-2-B-501PLED	5W Power LED	Down Pattern	5W
NL-534-2-B-10COB	10W COB LED	Down Pattern	10W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded & Multiple compartments of sheet metal housing fabricated to high precision. Aluminum, heavy duty all weather tough body. An auxiliary reflector is provided for wide beam distribution. Heat Resistant toughened glass clear diffuser, built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / voltage control, Voltage Range 190VAC to 270 VAC, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut off Protection for extended life time performance.

Optical Component: Comprises of a Primary Internal Spun Aluminum Reflector/ High Efficiency Lens (For LED Lamps).



NL-B1010-SQ-1



APPLICATIONS



LAMP SUITABILITY



PROTECTION

IP Rating: IP65
IK Rating: IK08

DIMENSIONS

Luminaire

Available in Heights of 300mm ,450mm 600mm & 900mm	Length 150mm	Width 150mm
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MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-B-1010-SQ-1-9W-MLED_ _mm	9 X Mid Power LED	Wide Sym	9W
NL-B-1010-SQ-1-12W-MLED_ _mm	12 X Mid Power LED	Wide Sym	12W

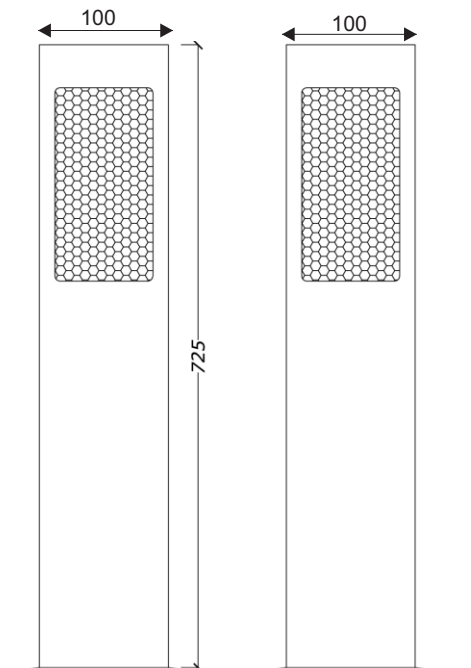
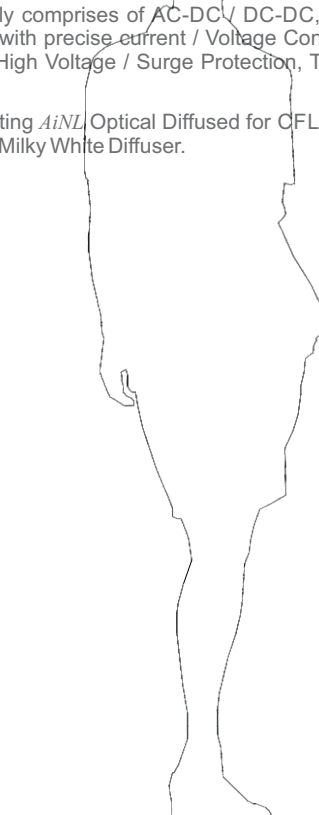
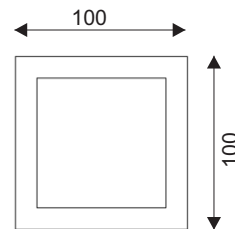
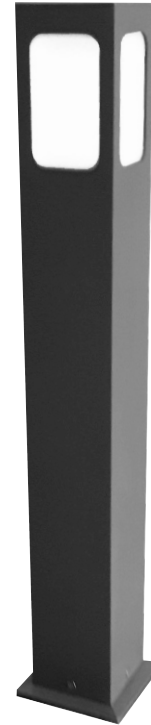
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum Square Pipe Body for a heavy duty all weather tough body. Heat Resistant Milky white opal diffuser of acrylic is provided for wide beam distribution covered with Silicon gasket and sealant for protection from dust and insects, built in optical control devices, SS allen head screws. Duly fabricated by *AiNL Fabrication technique* and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance. Secondary Galvanized MS Stand for Holding the Optical and Electrical Compartment.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Component: Diffused Lighting *AiNL* Optical Diffused for CFL Luminaires, LED Lamps with High Efficiency LED Lenses with *AiNL* Milky White Diffuser.



Distribution

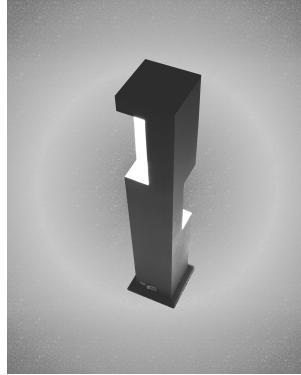
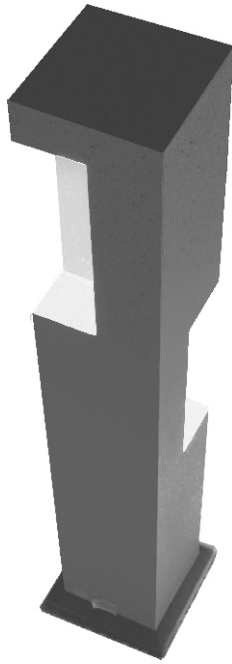
LANDSCAPE BOLLARDS





NL-B-1010-SQ-2

LANDSCAPE BOLLARDS



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of
450mm, 600mm,
750mm, 900mm

Length
100mm

Width
100mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-B-1010-SQ-2-3MLED	6W Mid Power LED	Sym	6W
NL-B-1010-SQ-2-6MLED	12W Mid Power LED	Sym	12W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum Square Pipe Body for a heavy duty all weather tough body. Heat Resistant Milky white opal diffuser of acrylic is provided for wide beam distribution covered with Silicon gasket and sealant for protection from dust and insects, built in optical control devices, SS allen head screws. Duly fabricated by AiNL Fabrication technique and precision finished. The housing is AiNL fine surface finished and painted with PU based automotive paint for extended lifetime performance. Secondary Galvanized MS Stand for Holding the Optical and Electrical Compartment.

Electrical Component: Power supply comprises of AC-DC/DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection. Thermal Cut Off Protection for extended life time performance.

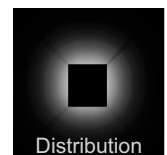
Optical Component: Diffused Lighting AiNL designed and fabricated clear Diffuser and external housing reflector for diffused area lighting.

PROTECTION

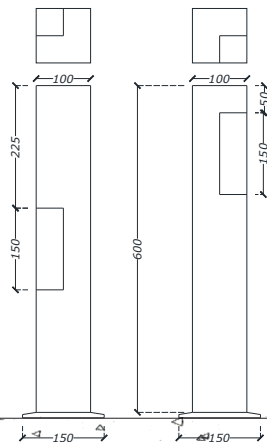
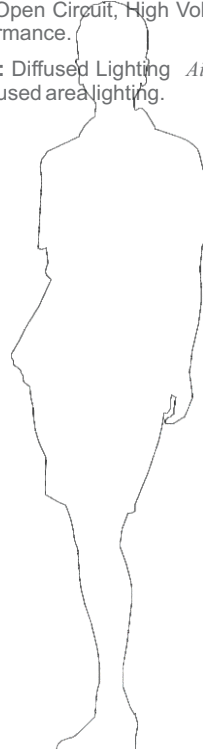
IP Rating: IP65
IK Rating: IK08

MOUNTING SUITABILITY

FLOOR -PEDESTAL MOUNTING



NOTE



XXX

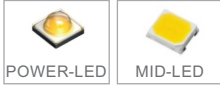
NL-B-1515-SQ-1



APPLICATIONS



LAMP SUITABILITY



PROTECTION

IP Rating: IP65
IK Rating: IK08

DIMENSIONS

Luminaire

Available in Heights of 300mm, 450mm, 600mm & 900mm	Length 150mm	Width 150mm
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MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL



LANDSCAPE BOLLARDS

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-B-1515-SQ-1-9W-MLED_ _mm	9 X Mid Power LED	Wide Sym	9W
NL-B-1515-SQ-1-12W-MLED_ _mm	12 X Mid Power LED	Wide Sym	12W

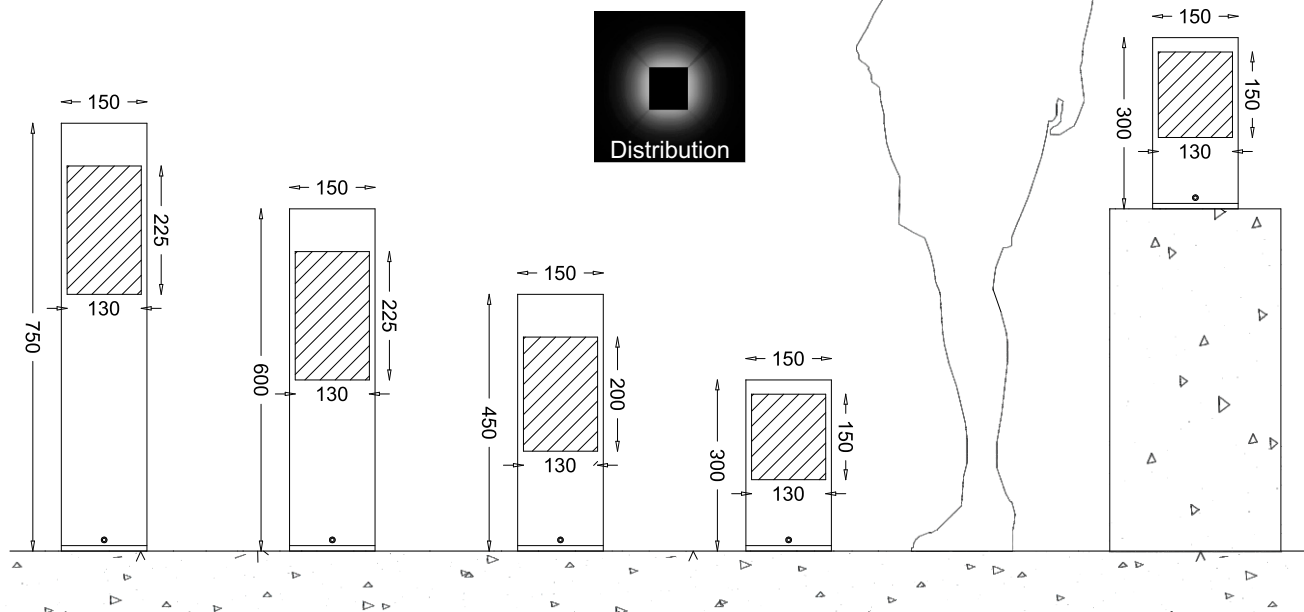
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum Square Pipe Body for a heavy duty all weather tough body. Heat Resistant Milky white opal diffuser of acrylic is provided for wide beam distribution covered with Silicon gasket and sealant for protection from dust and insects, built in optical control devices, SS allen head screws. Duly fabricated by *AiNL Fabrication technique* and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance. Secondary Galvanized MS Stand for Holding the Optical and Electrical Compartment.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance. .

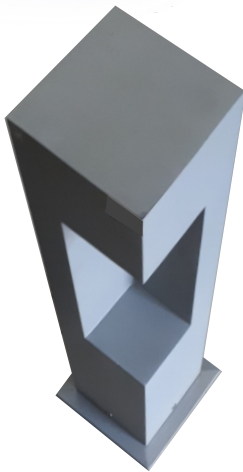
Optical Component: Diffused Lighting *AiNL* Optical Diffused for CFL Luminaires, LED Lamps with High Efficiency LED Lenses with *AiNL* Milky White Diffuser.





NL-B-1515-SQ-2

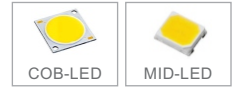
LANDSCAPE BOLLARDS



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire NL-B-1515-SQ-2

Available in Heights of 450mm, 600mm, 750mm & 900mm

Length 150mm

Width 150mm

Luminaire

Available in Heights of 450mm, 600mm, 750mm & 900mm

Length 100mm

Width 100mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-B-1515-SQ-2-10W-MLED	10W Mid Power LED	Sym	10W
NL-B-1515-SQ-2-15W-MLED	15W Mid Power LED	Sym	15W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum Square Pipe Body for a heavy duty all weather tough body. Heat Resistant Milky white opal diffuser of acrylic is provided for wide beam distribution covered with Silicon gasket and sealant for protection from dust and insects, built in optical control devices, SS allen head screws. Duly fabricated by *AiNL Fabrication technique* and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance. Secondary Galvanized MS Stand for Holding the Optical and Electrical Compartment.

Electrical Component: Power supply comprises of AC-DC/DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection. Thermal Cut Off Protection for extended life time performance.

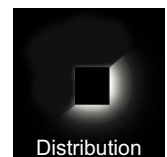
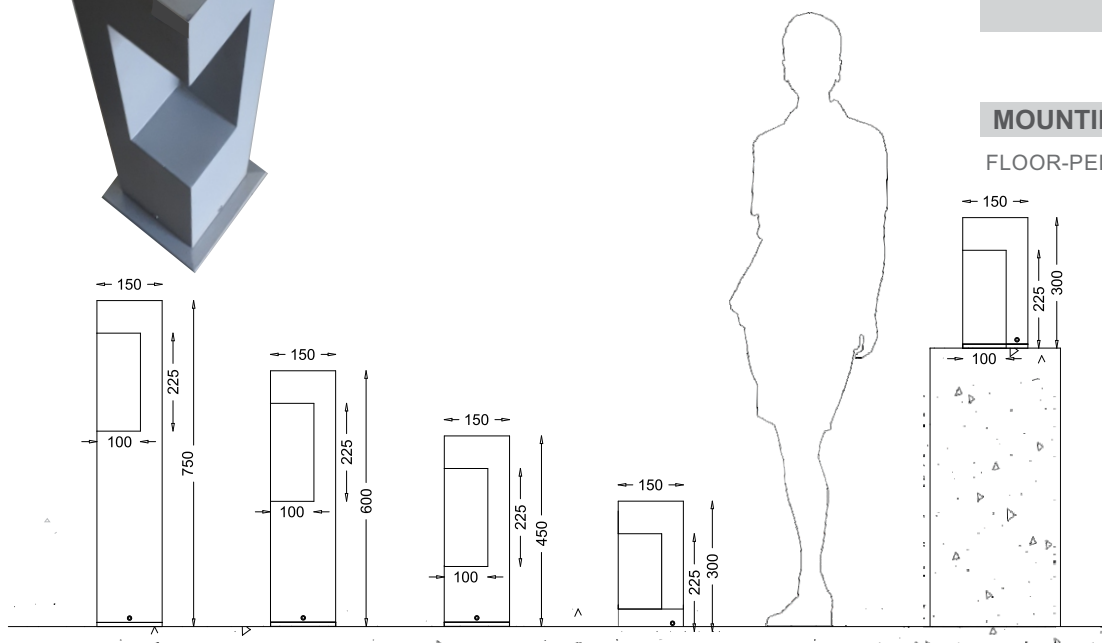
Optical Component: Diffused Lighting *AiNL* designed and fabricated clear Diffuser and external housing reflector for diffused area lighting.

PROTECTION

IP Rating: IP07
IK Rating: IK08

MOUNTING SUITABILITY

FLOOR-PEDESTAL MOUNTING



Distribution

NOTE

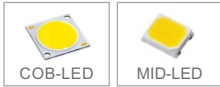
NL-535



APPLICATIONS



LAMP SUITABILITY



PROTECTION

IP Rating: IP65
IK Rating: IK08



DIMENSIONS

Luminaire

Luminaire Width 225mm	Luminaire Length 225mm	Available in Heights of 450mm, 600mm, 750mm, 900mm, 1200mm
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LUMINAIRE ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-535-10W-MLED-__mm	10W MID Power LED	Direct Downward	10W
NL-535-15W-COB	15W-COB-LED	Direct Downward	15W

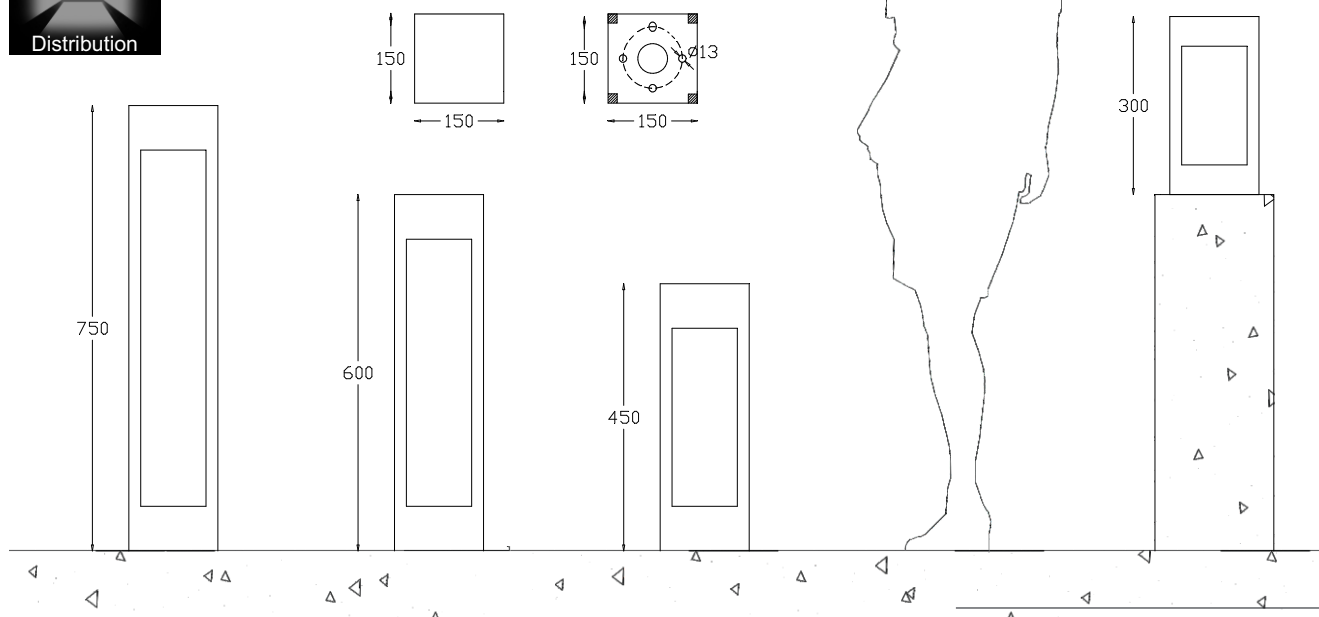
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded & Multiple compartments of sheet metal housing fabricated to high precision. Aluminum, heavy duty all weather tough body. An auxiliary reflector is provided for wide beam distribution. Heat Resistant toughened glass clear diffuser, built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Component: Comprises of a Primary Internal Spun Aluminum Reflector/ High Efficiency Lens (For LED Lamps).



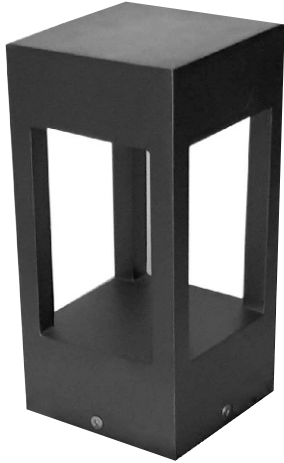
LANDSCAPE BOLLARDS





NL-535-2

LANDSCAPE BOLLARDS



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of 450mm/600mm/900mm	Luminaire Length 450mm	Luminaire Width 200mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL- 535-2-3-W-COB__mm	3W COB LED	Wide Sym	3W
NL- 535-2-5-W-COB__mm	5W COB LED	Wide Sym	5W
NL- 535-2-8-W-COB__mm	8W COB LED	Wide Sym	8W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked make Luminaire comprises of extruded Square pipe aluminum body with sheet aluminum top cover for a heavy duty all weather tough body. Heat resistant acrylic diffusers for general lighting, Provided with a Silicon Sealant for Protection from Insects entrance inside fixture. Built in optical control devices, SS allen head screws for connection to mounting base and top plate to the housing. Duly fabricated and precision finished using *AiNL Fabrication Technique*. The housing is fine surface finished and painted with *AiNL* PU based method automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control , Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

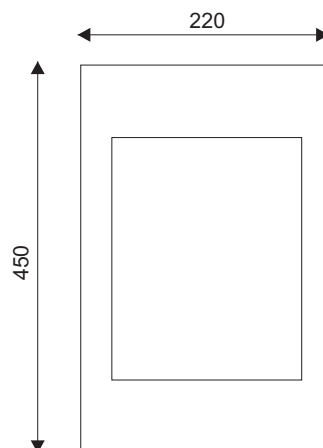
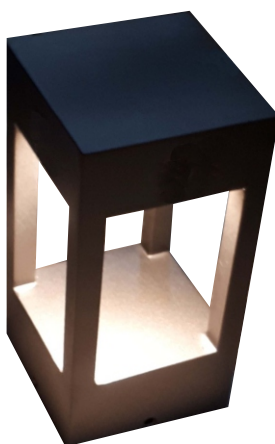
Optical Compartment: Comprises of a milky white diffuser for general area diffused lighting

PROTECTION

IP Rating: IP65
IK Rating: IK08

MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL



Distribution

NOTE

Indirect Luminaire - Reduced Upward Light Pollution

xxx

NL-5347



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Luminaire Diameter 230mm	Luminaire Height 255mm
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NL-5347-3



NL-5347-2



NL-5347

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5347-9W-MLED	MID Power LED	Wide Symm	9W
NL-5347-6W-MLED	MID Power LED	Wide Symm	6W

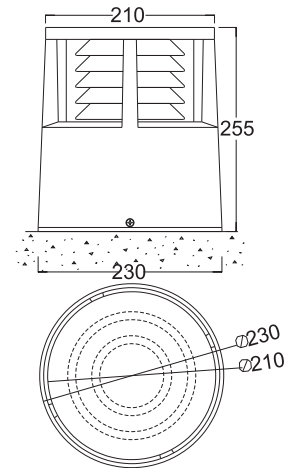
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire Housing comprising of multiple heavy cast aluminum pieces assembled together for a heavy duty all weather resistant housing. Powder coated and AiNL fine precision finished with automotive PU painted for extended life performances. Thick acrylic diffusers are provided with silicone gaskets & silicon sealant for protection against insects.

Electrical Components: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Components: AiNL Primary Reflector with Optical glare control louvers for symmetrical light distribution and omni directional light distribution- OPAL diffuser for general distribution.



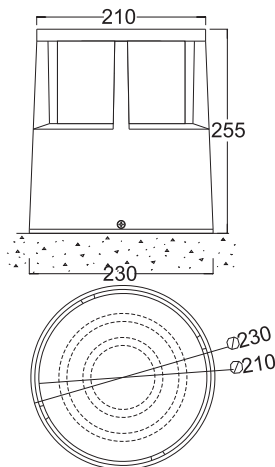
NL-5347

INGRESS PROTECTION

IP Rating: IP56

MOUNTING SUITABILITY

FLOOR STANDING ON PCC PEDESTAL



NL-5347-2



Distribution

NOTE



NL-5777
BOLARD LUMINARE

LANDSCAPE BOLLARDS



Project: Kotak Mahindra Bank
Headquarters BKC Mumbai
Image: Ai NOVA Lighting

XXX

NL-5777



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Body Pipe Diameter 150mm	Canopy Diameter 250mm	Available in Heights of 450mm, 600mm, 750mm, 900mm
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PROTECTION

IP Rating: IP65
IK Rating: IK10

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5777-701-PLED	7Nos. of 1W Power LED	15°	7W
NL-5777-12W-COB	12 Watts COB	15°	12W

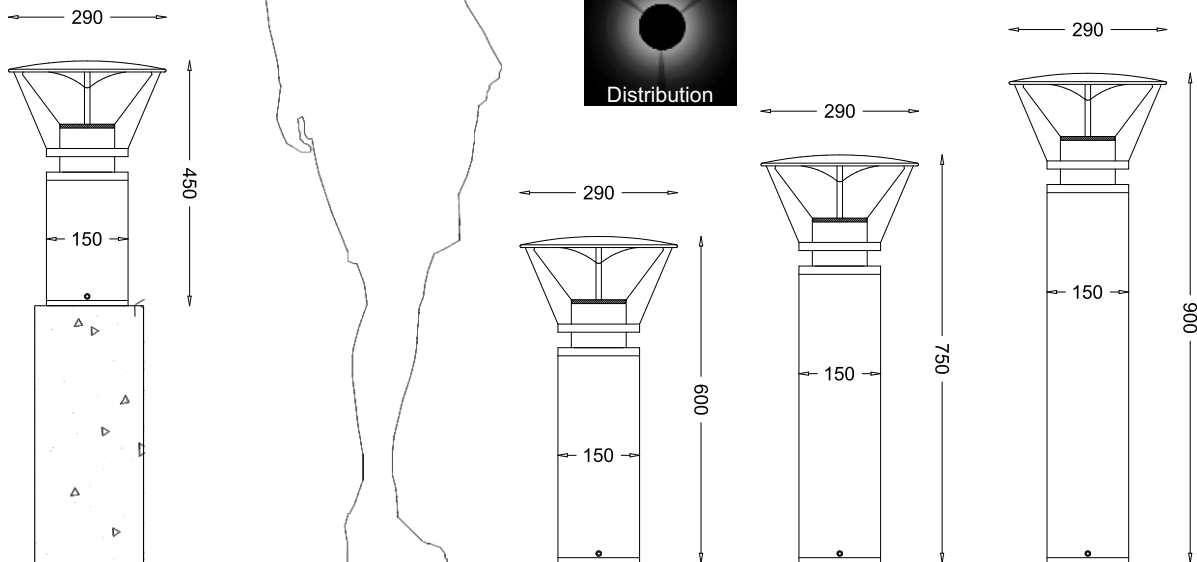
DISCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum body with Cast aluminum support arms and cast aluminum top canopy for a heavy duty all weather tough body. An auxilliary reflector is provided for wide beam distribution. Heat Resistant toughened glass clear diffuser, built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is AiNL fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control , Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Component: Comprises of a Primary Internal AiNL Spun Aluminum Reflector/ High Efficiency Lens(For LED Lamps). A high efficiency Spun Aluminum AiNL Secondary Reflector is provided for wide beam distribution.



LANDSCAPE BOLLARDS



NL-5861

LANDSCAPE BOLLARDS



APPLICATIONS



LAMP SUITABILITY



MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL

INGRESS PROTECTION

IP Rating: IP56

DIMENSIONS

Luminaire

Available in Heights of 300mm, 450mm, 600mm, 750mm, 900mm

Body Pipe Diameter 150mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5861-701MLED	7WATT MID LED	Wide Sym	7W
NL-5861-1201MLED	12WATT MID LED	Wide Sym	12W

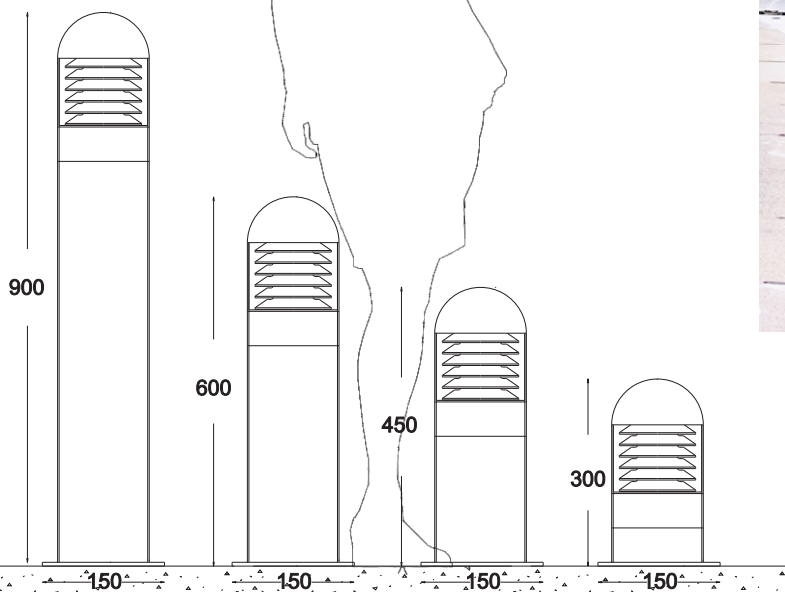
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum body with Cast aluminum top housing for a heavy duty all weather tough body. Heat Resistant Poly-carbonate clear diffuser covered with Silicon gasket and sealant for Protection from dust and insects., built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is AiNL fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control , Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Glare control AiNL metallised louvers for wide beam distribution.



Distribution

NOTE

NL-5874



APPLICATIONS



LAMP SUITABILITY

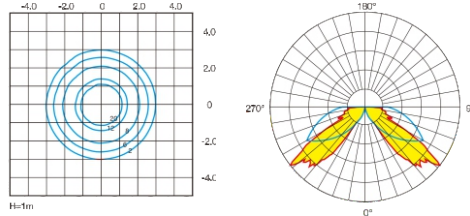


DIMENSIONS

Luminaire

Available in Heights of
450mm, 600mm, 750mm,
900mm, 1200mm

Luminaire
Diameter
150mm



ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5874-7W-MLED	7W-MID LED LAMP	Wide Sym	7W
NL-5874-12W-MLED	12W-MID LED LAMP	Wide Sym	12W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum body with Cast aluminum top housing for a heavy duty all weather tough body. Heat Resistant Acrylic/Poly Carbonate clear diffuser covered with Silicon gasket and sealant for Protection from dust and insects., built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is AiNL fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control , Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Glare control AiNL metallised louvers for wide beam & glare free distribution.

PROTECTION

IP Rating: IP56
IK Rating: IK09

MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL

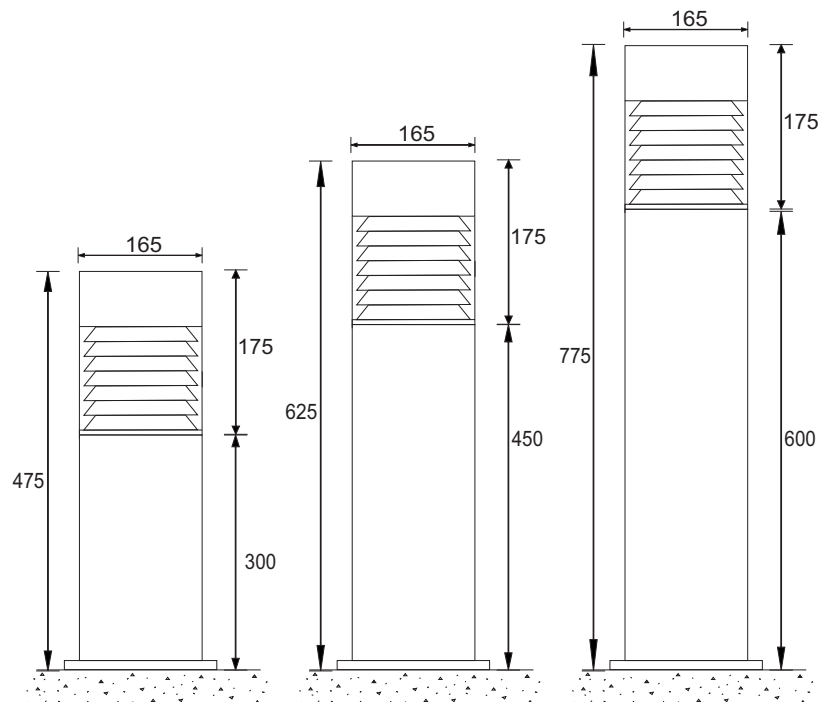


Distribution

NOTE



LANDSCAPE BOLLARDS





NL-5878-AL

BOLARD LUMINARE

LANDSCAPE BOLLARDS



XXX

NL-5878-AL



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of
300mm, 450mm, 600mm,
750mm, 900mm

Body Pipe
Diameter
150mm

PROTECTION

IP Rating: IP65
IK Rating: IK09

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5878-AL-701PLED	7Nos.X 1W Power LED	Wide Sym	7W
NL-5878-AL-1201PLED	12Nos.X 1W Power LED	Wide Sym	12W
NL-5878-AL-12W-COB	12Nos.X 1W COB LED	Wide Sym	12W

DESCRIPTION

BOLLARD LUMINAIRE

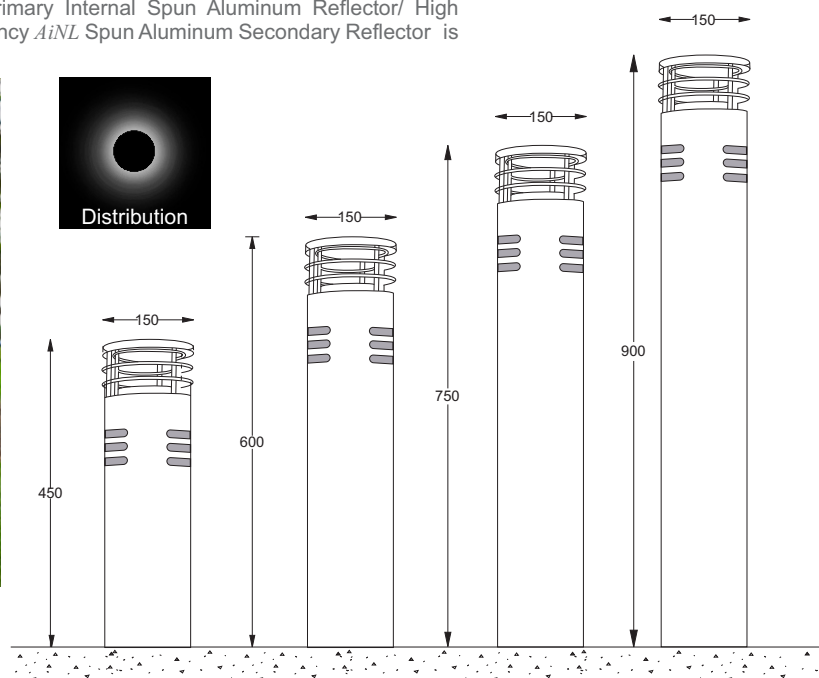
Housing: NOVA trademarked Luminaire comprises of extruded Aluminum body with spun aluminum top Cover with Inside Cover for a heavy duty all weather tough body. 2 heat resistant Acrylic diffusers one for general lighting, while the second is milky white for luminaire glow. Provided with a Silicon Sealant and Gasket for Protection from Insects entrance inside fixture. Built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control , Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a *AiNL* Primary Internal Spun Aluminum Reflector/ High Efficiency *AiNL* Lens(For LED Lamps). A high efficiency *AiNL* Spun Aluminum Secondary Reflector is provided for wide beam distribution.



NOTE



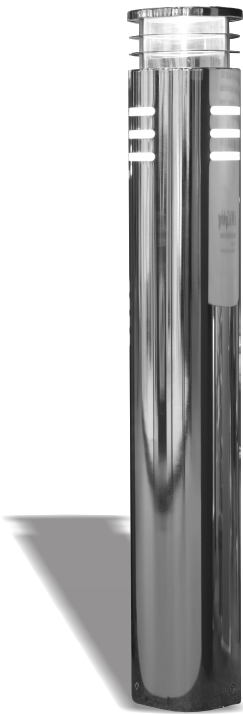
LANDSCAPE BOLLARDS





NL-5878-SS

LANDSCAPE BOLLARDS



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of 450mm, 600mm, 750mm, 900mm, 1200mm

Luminaire Diameter 150mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5878-SS-701PLED-__mm	7Nos. X 1W Power LED	Wide Sym	7W
NL-5878-SS-1201PLED-__mm	12Nos. X 1W Power LED	Wide Sym	12W
NL-5878-SS-12W-COB-__mm	12W - COB - LED	Wide Sym	12W

DESCRIPTION

STAINLESS STEEL BOLLARD

Housing: NOVA marked Decorative Bollard lighting luminaire, Luminaire comprises Heavy Duty Stainless sheet steel plate rolled to a cylindrical body, Housing provided with AiNL poly carbonate top diffuser for glare free lighting emission while a secondary milky diffuser for decorative bollard glow element. Diffuser with silicone gasket and sealant for life time Ingress protection from insects, dust and water. AiNL Duly fabricated and precision finished to have a seamless housing. Stainless Steel Brush/ Glossy Finish.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control , Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance. .

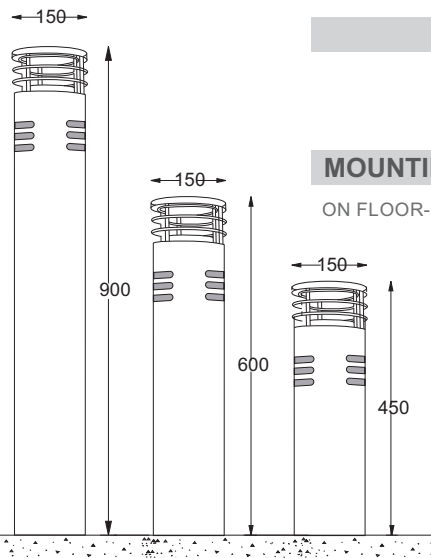
Optical : Anodized AiNL Aluminum reflector for metal halide and CFL lamp. High efficiency plastic LED lens for optimal lighting output.

PROTECTION

IP Rating: IP65
IK Rating: IK09

MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL



NOTE

Indirect Luminaire - Reduced Upward Light Pollution

NL-5343



APPLICATIONS



LAMP SUITABILITY



MID-LED

DIMENSIONS

Luminaire

Length 90mm	Width 45mm	Available in Heights of 30mm, 450mm 600mm & 750mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5343-10MLED	10W MID Power LED	Sym	10W
NL-5343-12MLED	12W MID Power LED	Sym	12W
NL-5343-15MLED	15W MID Power LED	Sym	15W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum body with Cast aluminum top housing for a heavy duty all weather tough body. Heat Resistant toughened glass diffuser covered with Silicon gasket and sealant for Protection from dust and insects, built-in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is AiNL fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

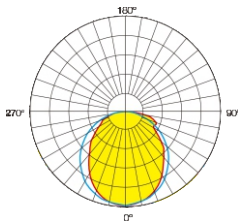
Optical Compartment: AiNL Diffused Front Glass for wide beam distribution.

MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL

INGRESS PROTECTION

IP Rating: IP65



Distribution

NOTE

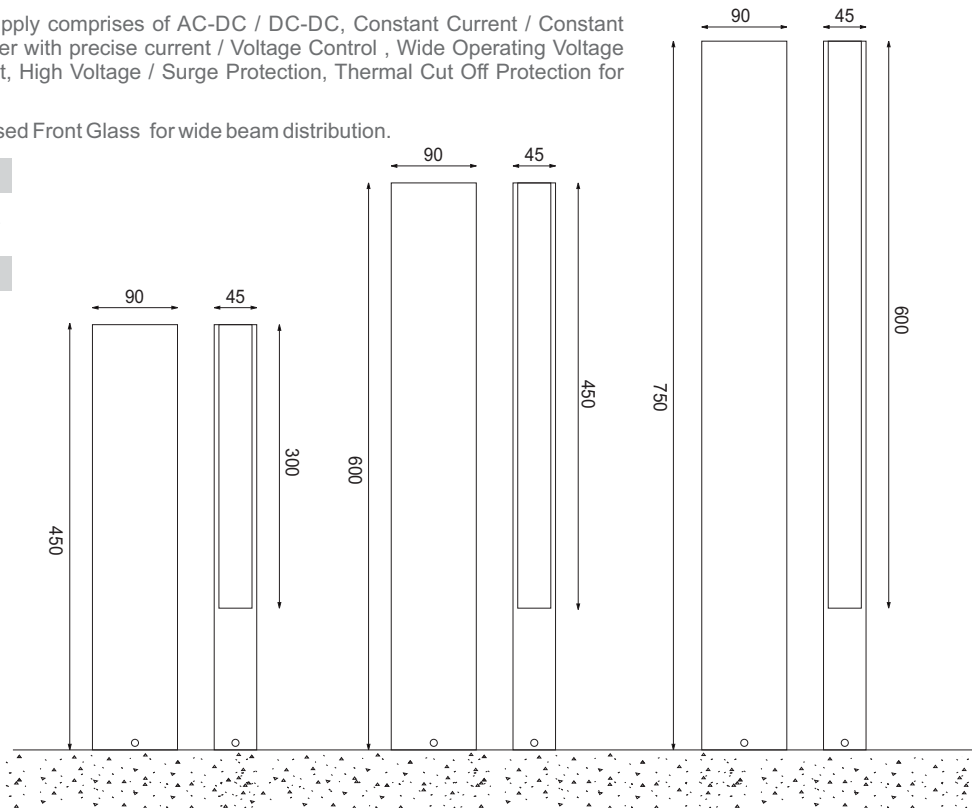
1. Direct downward Diffused Lighting to reduce upward lighting
2. Top Cut off to also reduce upward light spill

Ai NOVA Lighting

Data subject to change without notice. Please refer to us Email: ainovalighting@gmail.com Website: www.ainovalighting.com



LANDSCAPE BOLLARDS





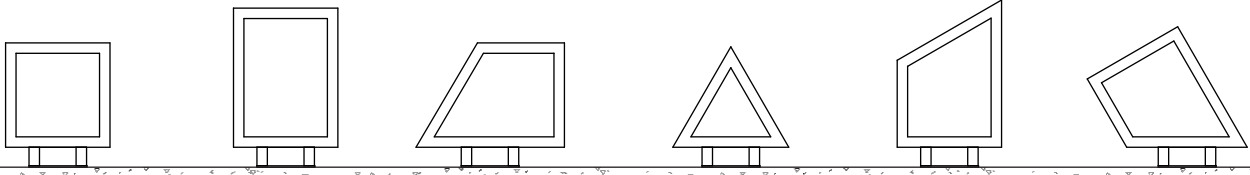
NL-5981

BOLLARD LUMINAIRE

LANDSCAPE BOLLARDS



VARIOUS DESIGN OPTIONS



XXX

NL-5981



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of 450mm, 600mm, 750mm, 900mm	Pipe Depth 45mm	Pipe Width 95mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5981-501PLED	5 x 1W POWER LED	BI-SYMM	5W
NL-5981-10-MLED	10W-MID POWER LED	BI-SYMM	7.5W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises body made of rolled pipe sections of Aluminum rectangular pipe duly finished heavy duty heat resistant acrylic diffuser provided with a Silicon Sealant and Gasket for Protection from Insects entrance inside fixture. Built in optical control devices, SS allen head screws. Duly *AiNL fabrication technique* and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a *AiNL* Primary Internal Spun Aluminum Reflector/ High Efficiency *AiNL* Lens(For LED Lamps).

PROTECTION

IP Rating: IP56
IK Rating: IK08

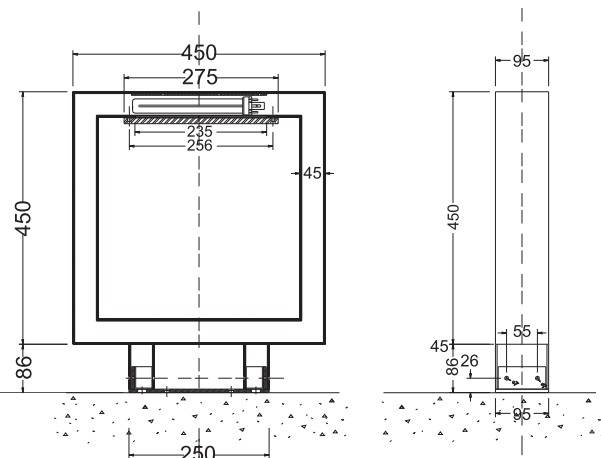
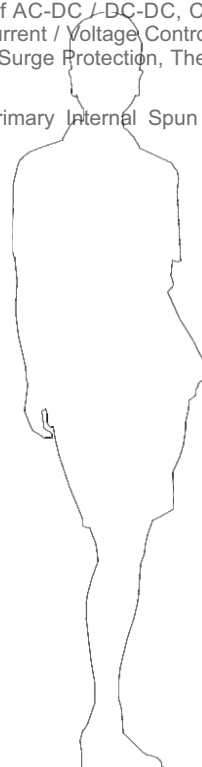
MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL



NOTE

This is a Green Light - reduced light pollution. Other designs or order. Please request data sheet.



LANDSCAPE BOLLARDS





NL-5987

LANDSCAPE BOLLARDS



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of 450mm, 600mm, 750mm	Length 100mm	Width 75mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5987-501PLED-__mm	5 Nos 1W LED	120°	5W
NL-5987-7.501PLED-__mm	5 Nos 1.5W LED	120°	7.5W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum rectangular pipe body for a heavy duty all weather tough body. Heat Resistant 10mm thick acrylic clear diffuser covered with Silicon gasket and sealant for Protection from dust and insects, built in optical control devices, SS allen CSK head screws for connection with MS Base Plate. Duly fabricated by *AiNL Fabrication technique* and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Luminaire available in CFL & LED Lamps for varied application connected with a High Efficiency *AiNL* Ballast for CFL & *AiNL* constant Current LED Driver for optimal lighting performance. (Refer to Code References for Luminaire Selection).

Optical Compartment: The Optical Compartment comprises a high efficiency *AiNL* reflector provided for wide beam distribution.

MOUNTING SUITABILITY

FLOOR MOUNTED ON
LIGHT PCC PEDESTAL

INGRESS PROTECTION

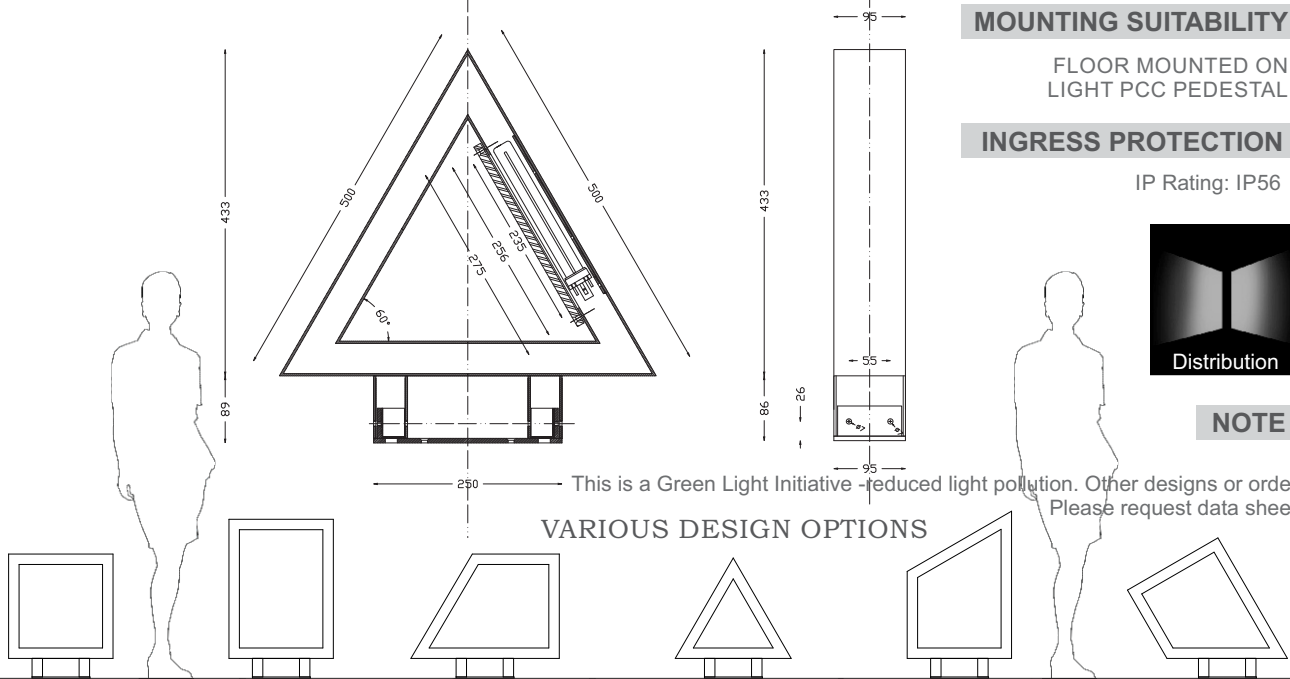
IP Rating: IP56



NOTE

This is a Green Light Initiative - reduced light pollution. Other designs or order. Please request data sheet.

VARIOUS DESIGN OPTIONS



XXX

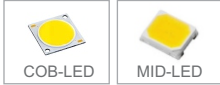
NL-586-3



APPLICATIONS



LAMP SUITABILITY



PROTECTION

IP Rating: IP56
IK Rating: IK08

DIMENSIONS

Luminaire

Available in Heights of
450mm, 600mm,
750mm

Luminaire
Diameter
150mm

MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-586-3-6W-MLED	6W-MID PWR LED	Wide Sym	6W
NL-586-3-9W-MLED	9W-MID PWR LED	Wide Sym	9W

DESCRIPTION

BOLLARD LUMINAIRE

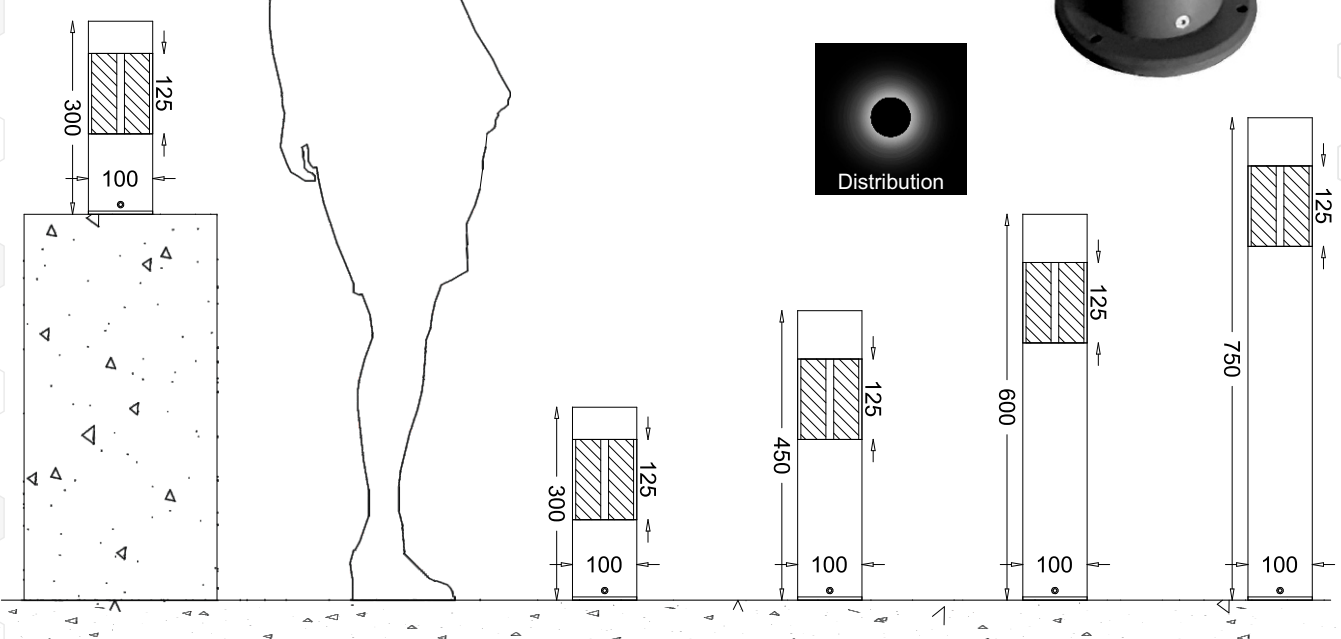
Housing: NOVA trademarked Luminaire comprises of extruded cylindrical Aluminum body with spun aluminum top cover for a heavy duty all weather tough body. Heat resistant cylindrical acrylic diffusers for general lighting, Provided with a Silicon Sealant for Protection from Insects entrance inside fixture. Built in optical control devices, SS allen head screws for connection to mounting base. Duly fabricated by *AiNL Fabrication Technique* and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance.

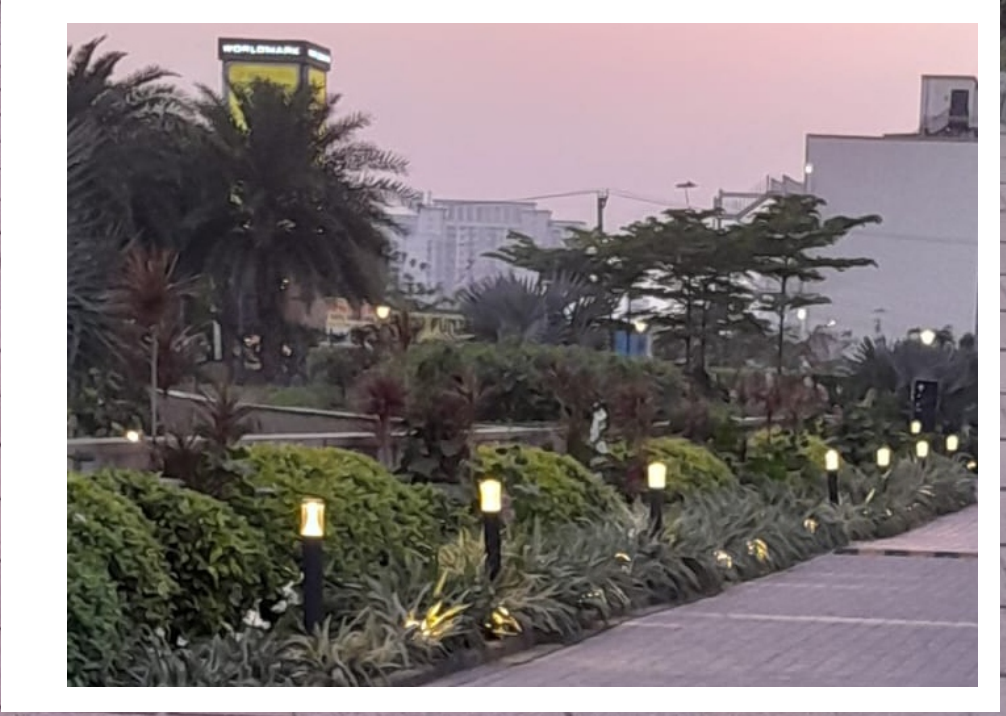
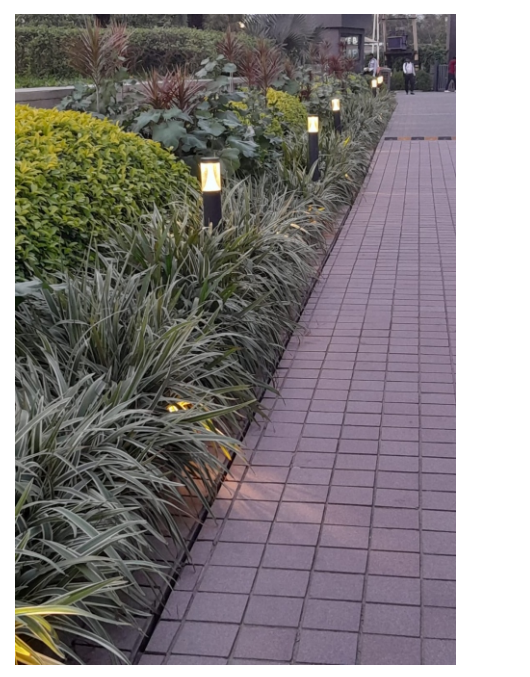
Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a *AiNL* milky white diffuser for general area diffused lighting



LANDSCAPE BOLLARDS





NL-K-5344



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of 450mm, 600mm, 900mm	Dia. 100mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	CCT	OPTICS
NL-K-5344-10WW-MLED-600	10W- MID POWER LED	3000K	Symmetrical
NL-K-5344-10NW-MLED-600	10W- MID POWER LED	4000K	Symmetrical
NL-K-5344-10CW-MLED-600	10W- MID POWER LED	6500K	Symmetrical
NL-K-5344-10WW-MLED-900	10W- MID POWER LED	3000K	Symmetrical
NL-K-5344-10NW-MLED-900	10W- MID POWER LED	4000K	Symmetrical
NL-K-5344-10CW-MLED-900	10W- MID POWER LED	6500K	Symmetrical

DESCRIPTION

'NOVA'

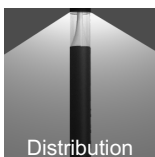
'Column BOLLARD luminaire.
With DIRECT distribution for aesthetics and high performance.
Made from heavy duty cast aluminium body.
Diffuser is made from heavy gauge - transparent high impact acrylic- with UV protection against non yellowing.
The body incorporates the hub as well as the Integral control gear with - short circuit - open circuit- high voltage- low voltage- thermal - atmospheric surge protections .
MID POWER LED is directly mounted on heavy duty LED grade solid cast aluminium housing through MCPCB- ensuring operation under controlled temperature under extreme conditions.
Luminaire is completely sealed with bottom maintenance for operator ease.
Max beam distribution

MOUNTING SUITABILITY

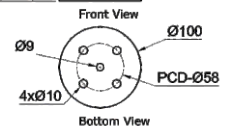
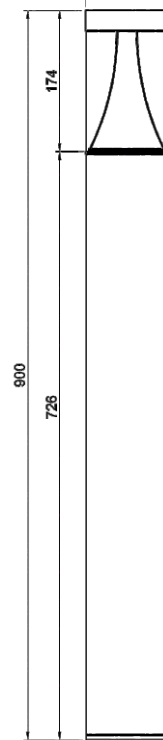
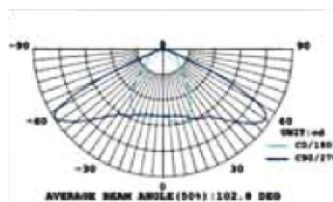
ON COLUMN-SOCKET DIA 60MM

PROTECTION CLASS

IP-65



Distribution



LANDSCAPE BOLLARDS

NOTE

NOVA also manufactures - fine finished PU coated matching poles for the luminaires



NL-K-5416



LANDSCAPE BOLLARDS

APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of
450mm, 600mm, 900mm

Dia.
100mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	CCT	OPTICS
NL-K-5416-10WW-MLED-600	10W- MID POWER LED	3000K	Symmetrical
NL-K-5416-10NW-MLED-600	10W- MID POWER LED	4000K	Symmetrical
NL-K-5416-10CW-MLED-600	10W- MID POWER LED	6500K	Symmetrical
NL-K-5416-10WW-MLED-900	10W- MID POWER LED	3000K	Symmetrical
NL-K-5416-10NW-MLED-900	10W- MID POWER LED	4000K	Symmetrical
NL-K-5416-10CW-MLED-900	10W- MID POWER LED	6500K	Symmetrical

DESCRIPTION

'NOVA'

'Column BOLLARD luminaire.

With DIRECT distribution for aesthetics and high performance.

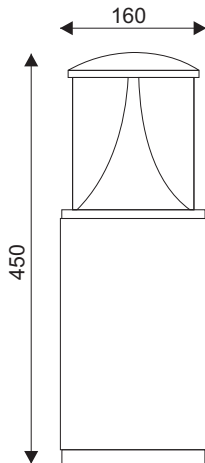
Made from heavy duty cast aluminium body

Diffuser is made from heavy gauge - transparent high impact acrylic- with UV protection against non yellowing.

The body incorporates the hub as well as the Integral control gear- with - short circuit - open circuit- high voltage- low voltage- thermal - atmospheric surge protections .

MID POWER LED is directly mounted on heavy duty LED grade solid cast aluminium housing through MCPCB- ensuring operation under controlled temperature under extreme conditions.

Luminaire is completely sealed with bottom maintenance for operator ease..Max beam distribution

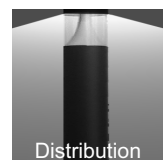
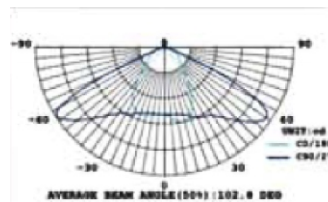


MOUNTING SUITABILITY

ON COLUMN-SOCKET DIA 60MM

PROTECTION CLASS

IP-65



NOTE

NOVA also manufactures - fine finished PU coated matching poles for the luminaires

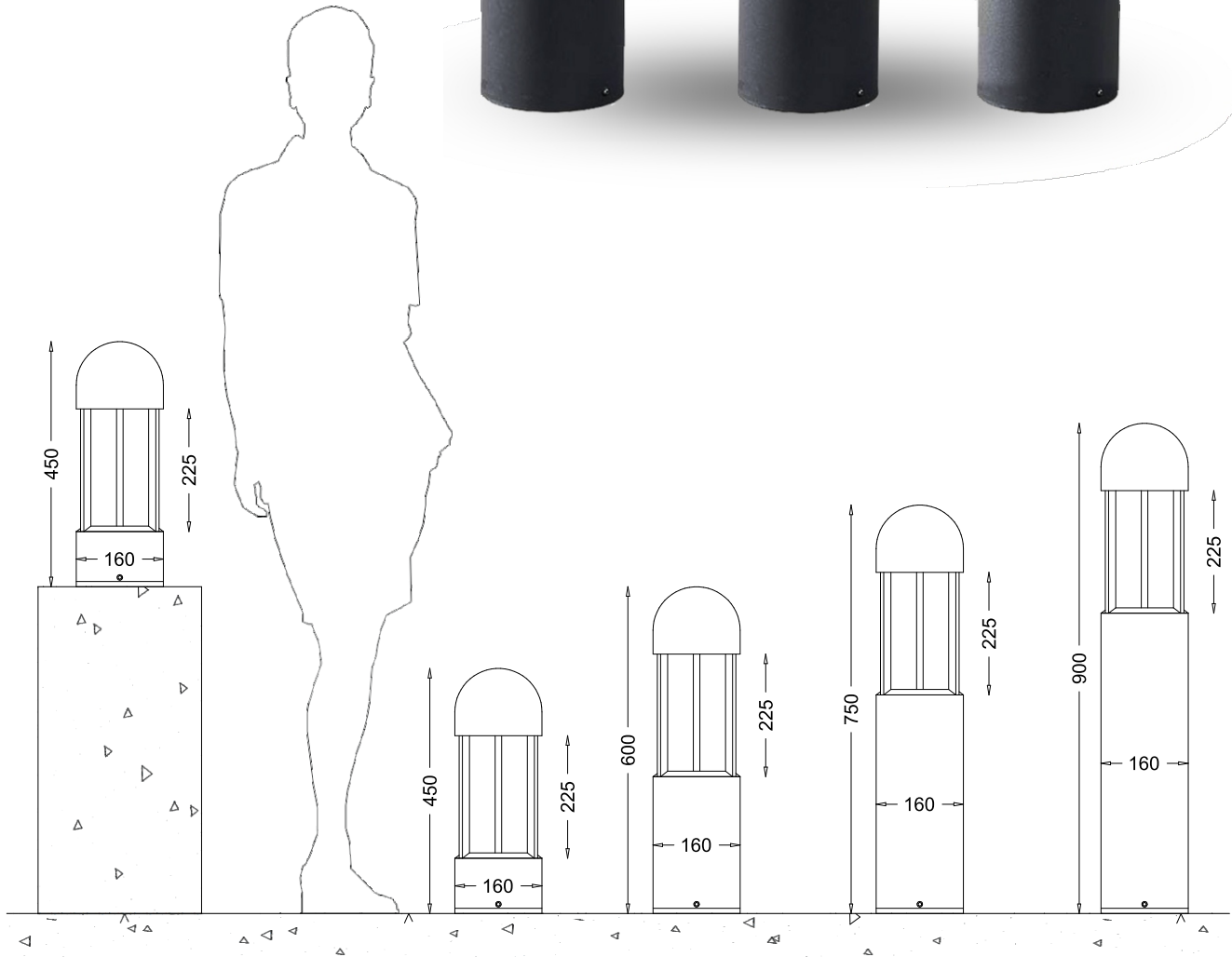
XXX

NL-JI-1756

BOLLARD LUMINAIRE



LANDSCAPE BOLLARDS





NL-JI-1756

LANDSCAPE BOLLARDS

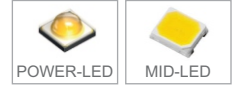


Distribution

APPLICATIONS



LAMP SUITABILITY



PROTECTION

IP Rating: IP56
IK Rating: IK08

DIMENSIONS

Luminaire

Available in Heights of
450mm,600mm,750mm,
900mm,1200mm

Luminaire
Diameter
150mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-JI-1756-9W-MLED	9W-MID PWR LED	Wide Sym	9W
NL-JI-1756-12W-MLED	12W-MID PWR LED	Wide Sym	12W

DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded Aluminum body with spun aluminum top Cover with Inside Cover for a heavy duty all weather tough body. 2 heat resistant Acrylic diffusers one for general lighting, while the second is milky white for luminaire glow. Provided with a Silicon Sealant and Gasket for Protection from Insects entrance inside fixture. Built in optical control devices, SS allen head screws. Duly fabricated by *AiNL Fabrication Technique* and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control , Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a Primary *AiNL* Internal Spun Aluminum Reflector/ High Efficiency *AiNL* Lens(For LED Lamps). A high efficiency Spun Aluminum *AiNL* Secondary Reflector is provided for wide beam distribution.



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NL-5341-PLED



APPLICATIONS



LAMP SUITABILITY



PROTECTION

IP Rating: IP65
IK Rating: IK08

DIMENSIONS

Luminaire

Luminaire Width 100mm	Luminaire Length 100mm	Available in Heights of 450mm/600mm/900mm
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MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL



LANDSCAPE BOLLARDS

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL- 5341-3-W-COB_ _ _mm	3W COB LED	Wide Sym	3W
NL- 5341-5-W-COB_ _ _mm	5W COB LED	Wide Sym	5W
NL- 5341-8W-COB_ _ _mm	8W COB LED	Wide Sym	8W

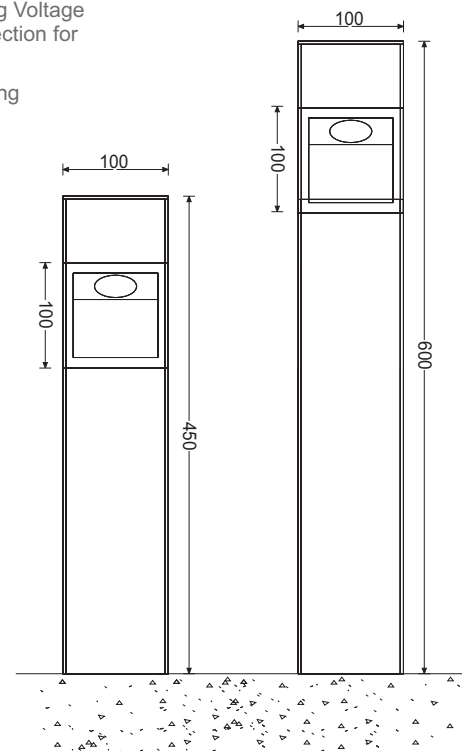
LUMINAIRE DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked make Luminaire comprises of extruded Square pipe aluminum body with sheet aluminum top cover for a heavy duty all weather tough body. Heat resistant acrylic diffusers for general lighting, Provided with a Silicon Sealant for Protection from Insects entrance inside fixture. Built in optical control devices, SS allen head screws for connection to mounting base and top plate to the housing. Duly fabricated and precision finished using *AiNL Fabrication Technique*. The housing is fine surface finished and painted with *AiNL* PU based method automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control , Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a milky white diffuser for general area diffused lighting



NOTE

Indirect Luminaire - Reduced Upward Light Pollution

Ai NOVA Lighting

Data subject to change without notice. Please refer to us Email: ainovalighting@gmail.com Website: www.ainovalighting.com

XXX



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of
400mm, 600mm,
750mm, 900mm

Dia.
100mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	CCT	OPTICS
NL-K5743-10W-MLED-400	10W- MID POWER LED	3K / 4K / 6K	Symmetrical
NL-K5743-10W-MLED-600	10W- MID POWER LED	3K / 4K / 6K	Symmetrical
NL-K5743-10W-MLED-750	10W- MID POWER LED	3K / 4K / 6K	Symmetrical
NL-K5743-10W-MLED-900	10W- MID POWER LED	3K / 4K / 6K	Symmetrical

DESCRIPTION

'NOVA'

'Column BOLLARD luminaire.

With DIRECT distribution for aesthetics and high performance.

Made from heavy duty cast aluminium body

Diffuser is made from heavy gauge - transparent high impact acrylic- with UV protection against non yellowing.

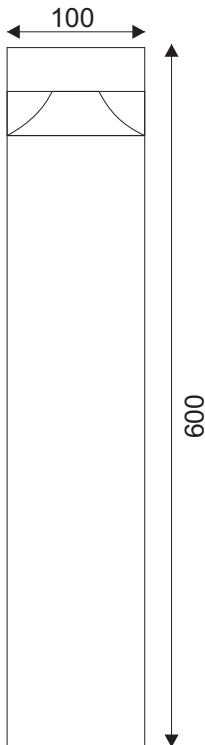
The body incorporates the hub as well as the Integral control gear- with - short circuit - open circuit- high voltage- low voltage- thermal - atmospheric surge protections .

MID POWER LED is directly mounted on heavy duty LED grade solid cast aluminium housing through MCPCB- ensuring operation under controlled temperature under extreme conditions.

Luminaire is completely sealed with bottom maintenance for operator ease..Max beam distribution

Electrical Component: Power supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a Primary Internal Spun Aluminum Reflector/ High Efficiency Lens(For LED Lamps).



PROTECTION CLASS

Ingress Protection: IP-65
Impact IK-07

MOUNTING SUITABILITY

ON SUPPLIED BASE PLATE



NOTE

NL-5877



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of 450mm, 600mm, 750mm	Luminaire Diameter 150mm
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PROTECTION

IP Rating: IP56
IK Rating: IK08

MOUNTING SUITABILITY

ON FLOOR-PCC LIGHT PEDESTAL



LANDSCAPE BOLLARDS

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5877-6W-MLED	6W-MID PWR LED	Wide Sym	6W
NL-5877-9W-COB	9W-COB LED	Wide Sym	9W

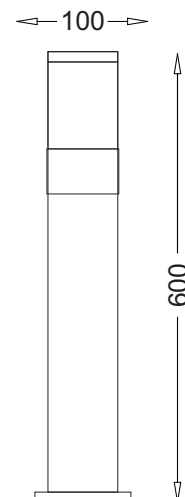
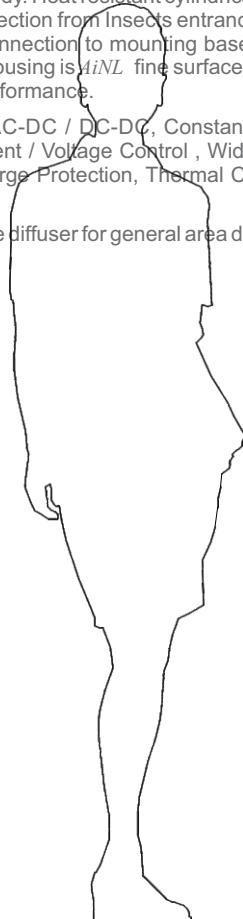
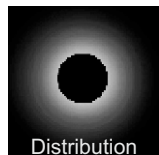
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded cylindrical Aluminum body with spun aluminum top cover for a heavy duty all weather tough body. Heat resistant cylindrical acrylic diffusers for general lighting, Provided with a Silicon Sealant for Protection from Insects entrance inside fixture. Built in optical control devices, SS allen head screws for connection to mounting base. Duly fabricated by *AiNL Fabrication Technique* and precision finished. The housing is *AiNL* fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power Supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a *AiNL* milky white diffuser for general area diffused lighting



NOTE



NL-5717



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available Heights
400mm / 600mm / 750mm / 900mm

Dia.
100mm

LANDSCAPE BOLLARDS



ORDER CODE

LUMINAIRE CODE	LAMP TYPE	CCT	OPTICS
NL-5717-10W-COB-400	10W- COB LED	3K / 4K / 6K	Symmetrical
NL-5717-10W-COB-600	10W- COB LED	3K / 4K / 6K	Symmetrical
NL-5717-10W-COB-750	10W- COB LED	3K / 4K / 6K	Symmetrical
NL-5717-10W-COB-900	10W- COB LED	3K / 4K / 6K	Symmetrical

DESCRIPTION

'NOVA'

'Column BOLLARD luminaire.

With DIRECT distribution for aesthetics and high performance.

Made from heavy duty cast aluminium body

Diffuser is made from heavy gauge - transparent high impact acrylic- with UV protection against non yellowing.

The body incorporates the hub as well as the Integral control gear- with - short circuit - open circuit- high voltage- low voltage- thermal - atmospheric surge protections .

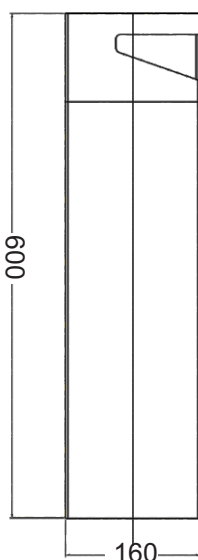
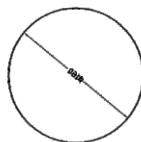
MID POWER LED is directly mounted on heavy duty LED grade solid cast aluminium housing

through MCPCB- ensuring operation under controlled temperature under extreme conditions.

Luminaire is completely sealed with bottom maintenance for operator ease..Max beam distribution

Electrical Component: Power supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a Primary Internal Spun Aluminum Reflector/ High Efficiency Lens(For LED Lamps).



MOUNTING SUITABILITY

ON SUPPLIED BASE PLATE

PROTECTION CLASS

Ingress Protection: IP-65
Impact IK-07

NOTE

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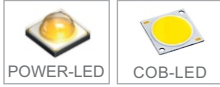
NL-5343-2-B



APPLICATIONS



LAMP SUITABILITY



INGRESS PROTECTION

IP Rating: IP65

DIMENSIONS

Luminaire

Width 90mm	Length 300mm	Available in Heights 450mm,600mm 750mm
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MOUNTING SUITABILITY

FLOOR STANDING



ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5343-2-B-501PLED	5W Power LED	Down Pattern	5W
NL-5343-2-B-10COB	10W COB LED	Down Pattern	10W

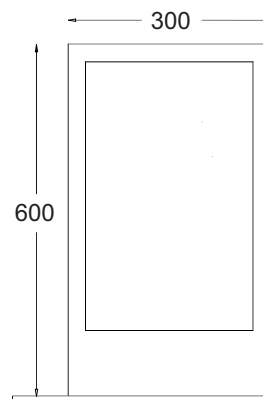
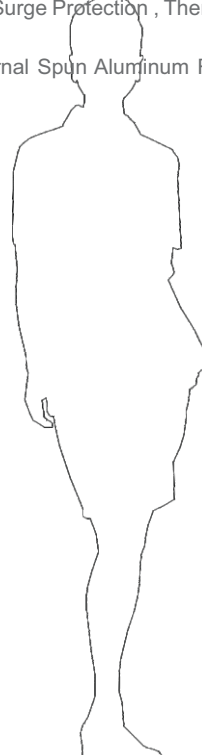
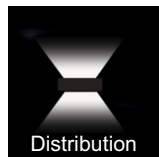
DESCRIPTION

BOLLARD LUMINAIRE

Housing: NOVA trademarked Luminaire comprises of extruded & Multiple compartments of sheet metal housing fabricated to high precision. Aluminum, heavy duty all weather tough body. An auxiliary reflector is provided for wide beam distribution. Heat Resistant toughened glass clear diffuser, built in optical control devices, SS allen head screws. Duly fabricated and precision finished. The housing is fine surface finished and painted with PU based automotive paint for extended lifetime performance.

Electrical Component: Power supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / voltage control , Voltage Range 190VAC to 270 VAC , Short Circuit / Open Circuit , High Voltage / Surge Protection , Thermal Cut off Protection for extended life time performance.

Optical Compartment: Comprises of a Primary Internal Spun Aluminum Reflector/ High Efficiency Lens(For LED Lamps).



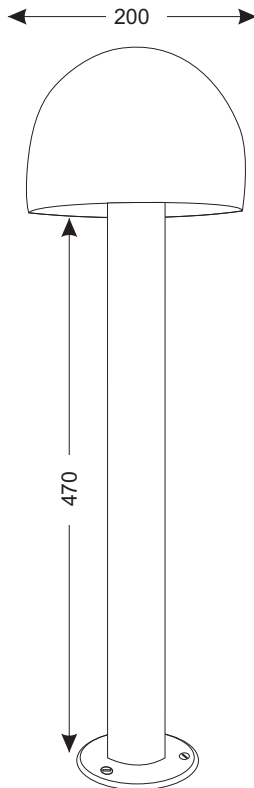
LANDSCAPE BOLLARDS





NL-5747

LANDSCAPE BOLLARDS



APPLICATIONS



Architectural Wall / Facade
Large Textured / Stone wa

LAMP SUITABILITY



DIMENSIONS

Luminaire

Luminaire Width 200mm	Luminaire Depth 200mm	Luminaire Height 600mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-5747-120-1PLED	12x1 W POWER LED	9°//15°//24°//36°//60°	12W
NL-5747-120-2PLED	12x2 W POWER LED	9°//15°//24°//36°//60°	24W
NL-5747-120-3PLED	12x3 W POWER LED	9°//15°//24°//36°//60°	36W

DESCRIPTION

ARCHITECTURAL PROJECTOR LUMINAIRE

Housing: NOVA make Floor / Base mounted Architectural Lighting luminaire. Extruded aluminum body , Cast aluminum cylindrical base all fabricated using *AiNL Fabrication Technique*. Heat resistant Clear Acrylic diffuser, silicone gasket for ingress protection from insects and dust , suitable lamp MCPCB. Cast & Machined Aluminum Stand for heavy duty long life performance. Luminaire Precision Finished with PU Based Automotive Paint for Long Life Performance.

Electrical Compartment: Power supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

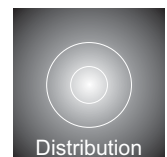
Optical Component: PMMA/PC lens for precise optics - All optical combinations with beam angles 9°//15°//36°//60° symmetrical

MOUNTING SUITABILITY

BASE MOUNTED

INGRESS PROTECTION

IP RATING: IP65
IK RATING: IK07



XXX

NL-5788



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Available in Heights of
400mm, 600mm,
750mm, 900mm

Dia.
100mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	CCT	OPTICS
NL-5788-10W-MLED-400	10W- MID POWER LED	3K / 4K / 6K	Symmetrical
NL-5788-10W-MLED-600	10W- MID POWER LED	3K / 4K / 6K	Symmetrical
NL-5788-10W-MLED-750	10W- MID POWER LED	3K / 4K / 6K	Symmetrical

DESCRIPTION

'NOVA'

'Column BOLLARD luminaire.

With DIRECT distribution for aesthetics and high performance.

Made from heavy duty cast aluminium body

Diffuser is made from heavy gauge - transparent high impact acrylic- with UV protection against non yellowing.

The body incorporates the hub as well as the Integral control gear- with - short circuit - open circuit- high voltage- low voltage- thermal - atmospheric surge protections .

MID POWER LED is directly mounted on heavy duty LED grade solid cast aluminium housing through MCPCB- ensuring operation under controlled temperature under extreme conditions.

Luminaire is completely sealed with bottom maintenance for operator ease..Max beam distribution

Electrical Component: Power supply comprises of AC-DC / DC-DC, Constant Current / Constant Voltage Solid State Electronic Driver with precise current / Voltage Control, Wide Operating Voltage Range, Short Circuit / Open Circuit, High Voltage / Surge Protection, Thermal Cut Off Protection for extended life time performance.

Optical Compartment: Comprises of a Primary Internal Spun Aluminum Reflector/ High Efficiency Lens(For LED Lamps).

PROTECTION CLASS

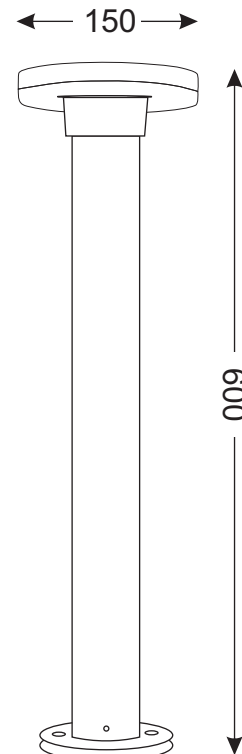
Ingress Protection: IP-65

Impact IK-07

MOUNTING SUITABILITY

ON SUPPLIED BASE PLATE

NOTE



LANDSCAPE BOLLARDS



