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NL-788-1

INGROUND UP LIGHTING



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

NON LED Luminaire

Max. Depth 240mm	Luminaire Diameter 205mm
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LED Luminaire

Max. Depth 125mm	Luminaire Diameter 205mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-788-8W-COB	8W COB LED	Single Ended Floor Washer	8W
NL-788-1-1201PLED	12 X 1W Power LED	Single Ended Floor Washer	12W

DESCRIPTION FIXTURE

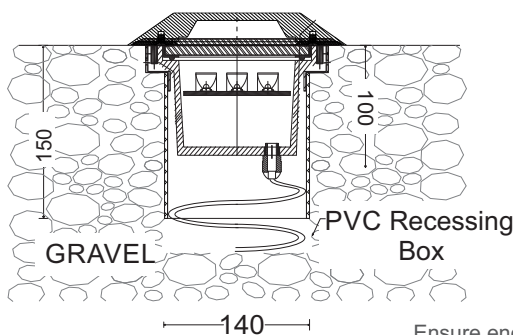
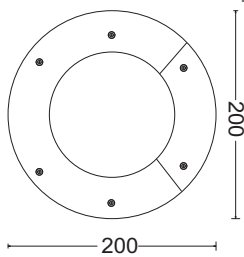
INGROUND LUMINAIRE

Housing: NOVA make Heavy duty cast aluminum housing with high corrosion resistance for floor embedded driveway application. Stainless Steel 304 grade top bezel circular plate with heavy duty 10mm thickness heat resistant toughened glass diffuser. Silicone gasket covered to the glass using silicon sealant for ingress protection from water, dust and insects for life time. Stainless Steel 316 screws to connect top plate to housing. Nickle plated M16 brass cable gland for cable entry for protection from water ingress. Luminaire provided with external FRP recessing box for prevention form corrosion in case of soil immersion. Cast Aluminum/Brass top cover for side ways directional lighting.

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: Anodized aluminum reflector for conventional Lamp, while high efficiency optical lenses for LED.

Circular SS ring

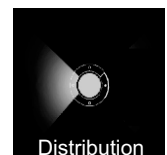


MOUNTING SUITABILITY

IN RECESS IN FLOOR

INGRESS PROTECTION

IP RATING: IP67



Distribution

NOTE

Ensure enough cavity below and around the luminaire and fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible.

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NL-788-2



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

NON LED Luminaire		LED Luminaire	
Max. Depth 240mm	Luminaire Diameter 205mm	Max. Depth 105mm	Luminaire Diameter 205mm

ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-788-2-5W-COB	5X2W COB LED	Double Ended Floor Washer	10W
NL-788-2-8W-COB	8X2W COB LED	Double Ended Floor Washer	16W

DESCRIPTION FIXTURE

INGROUND LUMINAIRE

Housing: Heavy duty cast aluminum housing with high corrosion resistance for floor embedded driveway application. Stainless Steel 304 grade top bezel circular plate with heavy duty 10mm thickness heat resistant toughened glass diffuser. Silicone gasket covered to the glass using silicon sealant for ingress protection from water, dust and insects for life time. Stainless Steel 316 screws to connect top plate to housing. Nickle plated M16 brass cable gland for cable entry for protection from water ingress. Luminaire provided with external FRP recessing box for prevention form corrosion in case of soil immersion. Cast Aluminum/Brass top cover for side ways directional lighting.

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: Anodized aluminum reflector for conventional Lamp, while high efficiency optical lenses for LED.

MOUNTING SUITABILITY

IN RECESS IN FLOOR

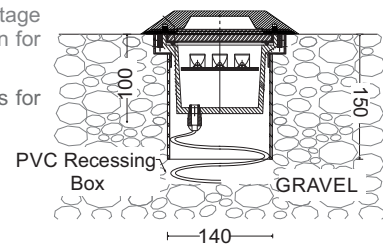
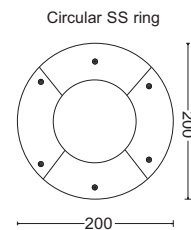
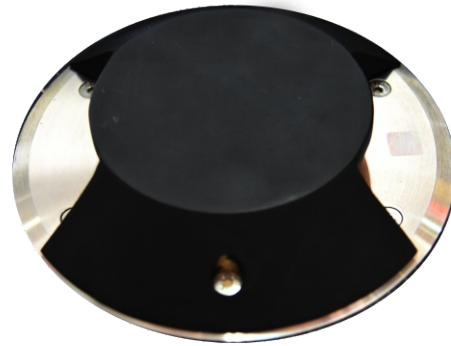
INGRESS PROTECTION

IP RATING: IP67



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible. Accessories pvc embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.



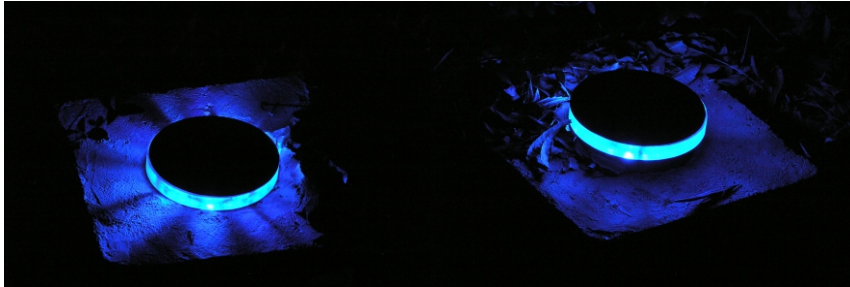
INGROUND UP LIGHTING





NL-6278-LED

INGROUND UP LIGHTING



APPLICATIONS



LAMP SUITABILITY

MID POWER
SMD-LED



DIMENSIONS

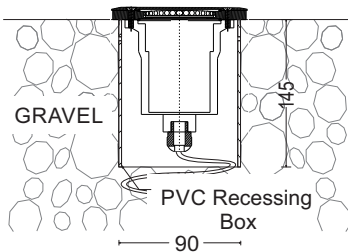
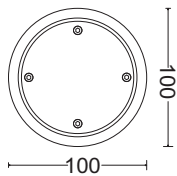
Luminaire

Luminaire Diameter 100mm	Luminaire Depth 75mm	PVC Box 125mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-6278-24MLED-WW	MID PWR LED Warm White	360° Side	5W
NL-6278-24MLED-CW	MID PWR LED Cool White	360° Side	5W
NL-6278-24MLED-RED	MID PWR LED - Red	360° Side	5W
NL-6278-24MLED-GREEN	MID PWR LED - Green	360° Side	5W
NL-6278-24MLED-BLUE	MID PWR LED - Blue	360° Side	5W

Circular SS ring



DESCRIPTION FIXTURE

LED INGROUND LUMINAIRE

Housing: NOVA make Heavy Duty Cast Aluminum housing fabricated using *AiNL Fabrication Technique*, Marine Grade 304, *AiNL* Stainless steel, top bezel ring, duly machined and polished, mounted in a external *AiNL* FRP sleeve with SS spring supports for firm mounting and easy removal. *AiNL* Toughened glass diffuser, silicone sealed to ensure complete water ingress protection. Cable exit through water proof sealed cable M12 gland.

Electrical: With 30 Cluster LED, mounted on an PCB board, The luminaire shall be provided with internal *AiNL* thermal management heat sink for LED junction temperature. Suitable for operation with Integral high efficiency, constant current *AiNL* LED driver for optimal light output. Non hygroscopic copper wire PVC sheathed cable of adequate length is provided. Suitable for operation on 220v AC supply.

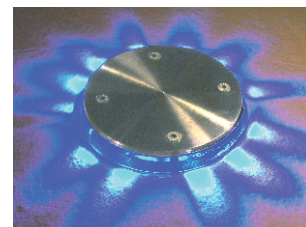
Optical Efficiency: *AiNL* High Light output integral side optics lens.

MOUNTING SUITABILITY

RECESSED IN FLOOR

PROTECTION

INGRESS PROTECTION: IP67
IK10



NOTE

The luminaire is water ingress protected but is not water submersible

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NL-7545-PATH MARKER



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

SS Accessory Cover Depth 110mm	Luminaire Diameter 50mm	Luminaire Depth 90mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
220V INTEGRAL DRIVER			
NL-7545-PM-101PLED-WW-220V-AC	1W LED Warm White	Diffused	1W
NL-7545-PM-103PLED-CW-220V-AC	1W LED Cool White	Diffused	1W
NL-7545-PM-103-PLED-RED-220V-AC	1W Power LED Red	Diffused	1W
NL-7545-PM-103-PLED-GREEN-220V-AC	1W Power LED Green	Diffused	1W
NL-7545-PM-103-PLED-BLUE-220V-AC	1W LED Blue	Diffused	1W
DRIVEN By 12V Output REMOTE DRIVER			
NL-7545-PM-101-PLED-WW-12V-DC	1W LED Warm White	Diffused	1W
NL-7545-PM-103-PLED-CW-12V-DC	1W LED Cool White	Diffused	1W
NL-7545-PM-103PLED-RED-12V-DC	1W Power LED Red	Diffused	1W
NL-7545-PM-103-PLED-GREEN-12V-DC	1W Power LED Green	Diffused	1W
NL-7545-PM-103-PLED-BLUE-12V-DC	1W LED Blue	Diffused	1W

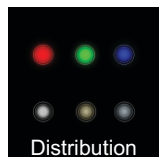
DESCRIPTION FIXTURE

INGROUND LUMINAIRE

Housing: NOVA make Cast SS316 Stainless Steel Machined Housing with Non Corrosive Stainless Steel Bezel. Cable Entry through Cable Glad for Water Protection. Heat resistant toughend glass diffuser with Silicone water proof gasket-IP68

Electrical: Power LED of 1W or 1.5W with suitable LED Lens powered by Integral & Remote Constant Current AiNL LED Driver of high efficiency for long life LED performance.

Optical Component: High Optical Efficiency AiNL LED Lens of Diffused Light distribution.



Distribution

MOUNTING SUITABILITY

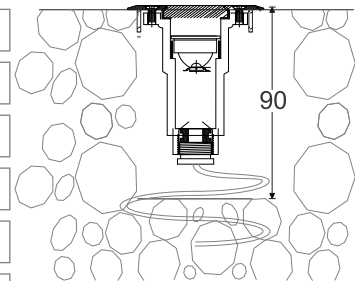
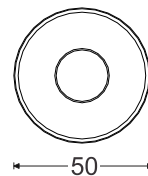
RECESSED IN FLOOR

INGRESS PROTECTION

IP RATING: IK68
IK10



Circular SS ring



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. Stainless Steel embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.



NL-7862-PATH MARKER

INGROUND UP LIGHTING



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Luminaire Diameter 100mm	Luminaire Depth 75mm	PVC Box 145mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-7862-PM-3W-MLED-WW	3W LED-Warm White	Diffused	3W
NL-7862-PM-3W-MLED-CW	3W LED-COOL White	Diffused	3W
NL-7862-PM-3W-MLED-RED	3W LED-RED	Diffused	3W
NL-7862-PM-3W-MLED-GREEN	3W LED-GREEN	Diffused	3W
NL-7862-PM-3W-MLED-BLUE	3W LED-BLUE	Diffused	3W

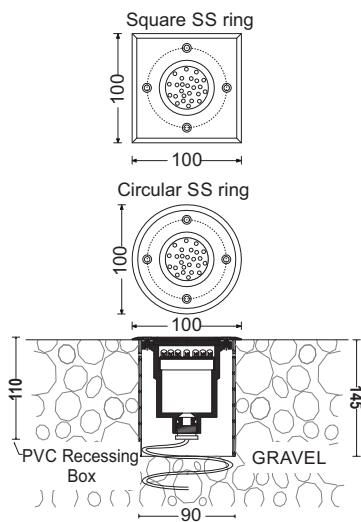
DESCRIPTION FIXTURE

LED INGROUND LUMINAIRE

Housing: NOVA make Heavy Duty Cast Aluminum housing fabricated using *AiNL Fabrication Technique*, Marine Grade 304, *AiNL* Stainless steel, top bezel ring, duly machined and polished, mounted in a external *AiNL* FRP sleeve with SS spring supports for firm mounting and easy removal. *AiNL* Toughened glass diffuser, silicone sealed to ensure complete water ingress protection. Cable exit through water proof sealed cable M12 gland.

Electrical: With 3 Nos 1W or 1.5W Power, mounted on an aluminum sandwiched PCB board, The luminaire shall be provided with internal *AiNL* thermal management heat sink for LED junction temperature. Suitable for operation with Integral high efficiency, constant current *AiNL* LED driver for optimal light output. Non hygroscopic copper wire PVC sheathed cable of adequate length is provided. Suitable for operation on 220v AC supply.

Optical Efficiency: *AiNL* High Light output. LED Lens of 15/24/40/60 Degrees Beam angle for Variable Light distribution.



MOUNTING SUITABILITY

RECESSED IN FLOOR

INGRESS PROTECTION

IP RATING: IP67



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible. Accessories pvc embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.

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NL-7545-101PLED-PM



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Luminaire Diameter 50mm	Luminaire Diameter 60mm	Pvc Box 60mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-7545-1W-PM	MID POWER LED	DIFFUSED	1W

DESCRIPTION FIXTURE

INGROUND PATHMARKER

NOVA make inground pathmarker luminaire- Stainless Steel grade 316 housing , duly machined and with provision for firm mounting and easy removal. Sealed with semi opal polyurethane encapsulant for uniform - soft - diffused glow. Non Hygroscopic PVC sheathed cable of adequate length is provided . Cable exit through sealed cable gland. External SS housing for wall / floor embedded mounting.

Mid Power LED mounted on MCPCB and high efficiency heat sink for effective thermal management. Internal DC-DC - driver is provided for precise current control . Suitable for operation with NON INTEGRAL AC-DC - constant voltage driver

RECOMMENDED INSTALLATION PROCEDURE

Installation involves - insertion of OUTER CASING - made of SS with ribs on outer surface for firm grip in concrete at the appropriate location as per site requirement.

Installation of Conduit from the luminaire up to the junction box .
After the tiles are installed - the luminaire is inserted in the housing and is locked in position due to the pressure clip welded in the housing.

Cable is taken up to the junction box and terminated to 12V DC power supply

NOTE : Installation shall be in the scope of the Installer. This is the recommended procedure. Correct Installation is the responsibility of the Installer Agency.

MOUNTING SUITABILITY

RECESSED IN WALL
RECESSED IN FLOOR

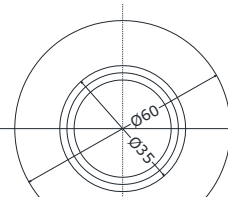
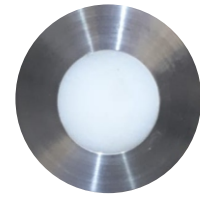
PROJECTIONS

Ingress IP-67
Impact IK-07

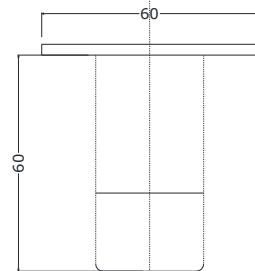


NOTE

1. The Remote Drive not water submersible and available at extra cost.
2. Stainless Steel 316 available on request at extra cost.



TOP VIEW



SECTION



INGROUND UP LIGHTING





NL-6028-IG-LINEAR



APPLICATIONS



LAMP SUITABILITY

MID POWER
SMD-LED



DIMENSIONS

Luminaire

Luminaire Width 15mm	Luminaire Depth 32mm	Luminaire Length (Std) 1000mm	Other Lengths on request
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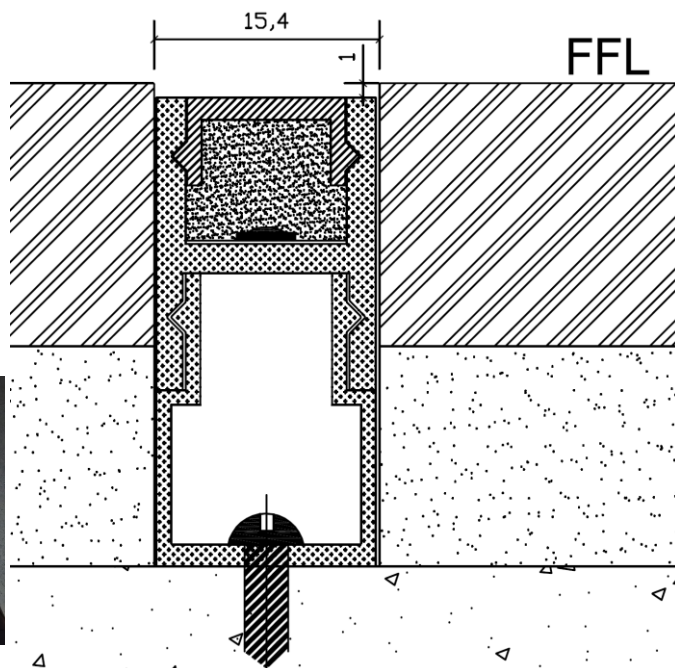
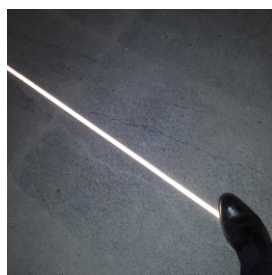
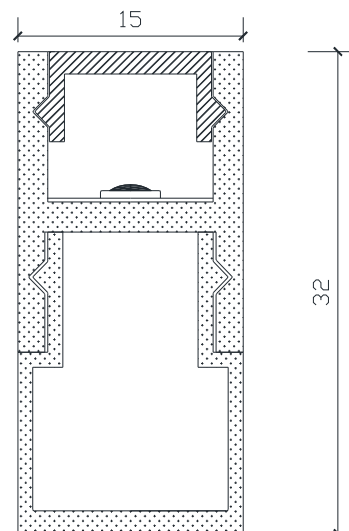
ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-6028-IG-10W-LINEAR	SMT LED - CRI >70	Wide-120	10W/Mtr
NL-6028-IG-6W-LINEAR	SMT LED - CRI >70	Wide -120	6W/Mtr

DESCRIPTION FIXTURE

INGROUND LINEAR LUMINAIRE

Housing: Heavy duty EXTRUDED aluminum housing hard chromatic anodised with high corrosion resistance for floor embedded walkover application. Silicone ENCAPSULATED to the body using silicon sealant for ingress protection from water, dust and insects for life time. Luminaire is provided with external extruded recessing cable channel. Suitable for 12/24 Volts DC-Constant Voltage application with driver mounted remotely. Diffused illumination



MOUNTING SUITABILITY

RECESSED IN FLOOR

INGRESS PROTECTION

IP RATING: IP67

NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel to ensure water permeation. The luminaire is water ingress protected (IP67) but is not water submersible

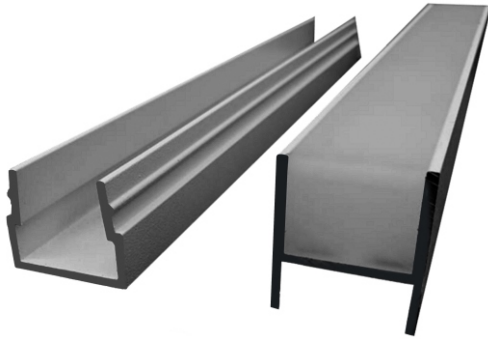
INGROUND UP LIGHTING





NL-6030-IG-LINEAR

INGROUND UP LIGHTING



APPLICATIONS



LAMP SUITABILITY

MID POWER
SMD-LED



DIMENSIONS

Luminaire

Luminaire Width 30mm	Luminaire Depth 60mm	Luminaire Length (Std) 1000mm	Other Lengths on request
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-6030-IG-20W-SS-LINEAR	SMT LED - CRI >70	Wide-120	15W/Mtr
NL-6030-IG-15W-LINEAR	SMT LED - CRI >70	Wide -120	20W/Mtr
NL-6030-IG-20W-LINEAR	SMT LED - CRI >70	Wide-120	15W/Mtr
NL-6030-IG-15W-SS-LINEAR	SMT LED - CRI >70	Wide -120	20W/Mtr

DESCRIPTION FIXTURE

INGROUND LINEAR LUMINAIRE

Housing: Heavy duty EXTRUDED aluminum housing hard chromatic anodized with high corrosion resistance for floor embedded walkover application. PU/ Silicone ENCAPSULATED to the body using silicon sealant for ingress protection from water, dust and insects for life time. Luminaire is provided with external extruded recessing cable channel. Suitable for 12/24 Volts DC-Constant Voltage application with driver mounted remotely. Diffused illumination

LINEAR INGROUND - Up lighter extruded aluminium channel Upper channel with LED array - encapsulated with PU gel and protected with PC cover. Lower aluminium channel for embedding in cavity in floor and to carry wiring for continuity. Supplied in convenient lengths for seamless mounting Operation 24 V DC- color Temp 3000K Uses remote mounted driver IP65 protected. Drive over version is provided with additional SS heavy duty casing for load bearing capacity - equivalent to dynamic loads of a moving vehicle- including a fire tender.

SS CHANNEL SUPPORTED
DRIVE OVER LINEAR LUMINAIRE



INGRESS PROTECTION

IP RATING: IP67

MOUNTING SUITABILITY

RECESSED IN FLOOR



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel to ensure water permeation. The luminaire is water ingress protected (IP67) but is not water submersible

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NL-6040-IG-LINEAR



APPLICATIONS



LAMP SUITABILITY

MID POWER
SMD-LED



DIMENSIONS

Luminaire

Luminaire Width 40mm	Luminaire Depth 50mm	Luminaire Length (Std) 1000mm	Other Lengths on request
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-6040-IG-15W-LINEAR	SMT LED - CRI >70	Wide -120	15W/Mtr
NL-6040-IG-20W-LINEAR	SMT LED - CRI >70	Wide -120	20W/Mtr
NL-6040-IG-15W-SS-LINEAR	SMT LED - CRI >70	Wide -120	15W/Mtr
NL-6040-IG-20W-SS-LINEAR	SMT LED - CRI >70	Wide -120	20W/Mtr

DESCRIPTION FIXTURE

INGROUND LINEAR LUMINAIRE

Housing: Heavy duty EXTRUDED aluminum housing hard chromatic anodized with high corrosion resistance for floor embedded walkover application. PU/ Silicone ENCAPSULATED to the body using silicon sealant for ingress protection from water, dust and insects for life time. Luminaire is provided with external extruded recessing cable channel. Suitable for 12/24 Volts DC-Constant Voltage application with driver mounted remotely. Diffused illumination

LINEAR INGROUND - Up lighter extruded aluminium channel Upper channel with LED array - encapsulated with PU gel and protected with PC cover. Lower aluminium channel for embedding in cavity in floor and to carry wiring for continuity. Supplied in convenient lengths for seamless mounting Operation 24 V DC- color Temp 3000K Uses remote mounted driver IP65 protected. Drive over version is provided with additional SS heavy duty casing for load bearing capacity - equivalent to dynamic loads of a moving vehicle- including a fire tender.

SS CHANNEL SUPPORTED DRIVE OVER LINEAR LUMINAIRE

MOUNTING SUITABILITY

RECESSED IN FLOOR

INGRESS PROTECTION

IP RATING: IP67



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel to ensure water permeation. The luminaire is water ingress protected (IP67) but is not water submersible





NL-6344-FCD-LINEAR

INGROUND UP LIGHTING



APPLICATIONS



LAMP SUITABILITY

SMD-LED 70Lm/W

DIMENSIONS

Luminaire

Luminaire Width 15mm	Luminaire Depth 47mm	Luminaire Length (Std) 1000mm	Other Lengths on request
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-6344-FCD-10W-LINEAR	SMT LED - CRI >70	3D-Wide	10W/Mtr
NL-6344-FCD-6W-LINEAR	SMT LED - CRI >70	3D-Wide	6W/Mtr

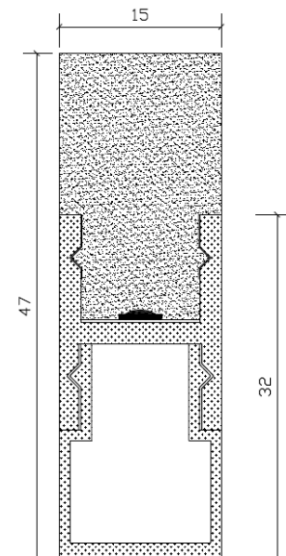
DESCRIPTION FIXTURE

LINEAR FACADE LIGHTING LUMINAIRE

Housing: Heavy duty EXTRUDED aluminum housing hard chromatic anodized with high corrosion resistance for exposed facade cavity embedded application. Silicone ENCAPSULATED to the body using silicon sealant for ingress protection from water, dust and insects for life time. Luminaire provided with snap fit recessing cable race.

Suitable for 12/24 Volts DC-Constant Voltage application with driver mounted remotely.

Diffused 3D- WIDE - 180 Deg illumination.



MOUNTING SUITABILITY

RECESSED IN FACADE CAVITY

INGRESS PROTECTION

IP RATING: IP66



NL-7545-101PLED



APPLICATIONS



LAMP SUITABILITY



POWER-LED

DIMENSIONS

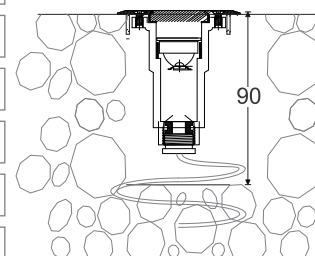
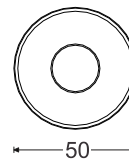
Luminaire

SS Accessory Cover Depth 110mm	Luminaire Diameter 50mm	Luminaire Depth 90mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
220V INTEGRAL DRIVER			
NL-7545-IG-101-PLED-WW-220V	1W LED Warm White	7°,15°,24°,36°,45°	1W
NL-7545-IG-101-PLED-CW-220V	1W LED Cool White	7°,15°,24°,36°,45°	1W
NL-7545-IG-103-PLED-WW-220V	3W LED Warm White	7°,15°,24°,36°,45°	3W
NL-7545-IG-103-PLED-CW-220V	3W LED cool White	7°,15°,24°,36°,45°	3W
DRIVEN By 12V Output REMOTE DRIVER			
NL-7545-IG-101-PLED-WW-12V-DC	1W LED Warm White	7°,15°,24°,36°,45°	1W
NL-7545-IG-101-PLED-CW-12V-DC	1W LED Cool White	7°,15°,24°,36°,45°	1W
NL-7545-IG-103-PLED-WW-12V-DC	3W LED Warm White	7°,15°,24°,36°,45°	3W
NL-7545-IG-103-PLED-CW-12V-DC	3W LED Cool White	7°,15°,24°,36°,45°	3W

Circular SS ring



DESCRIPTION FIXTURE

INGROUND LUMINAIRE

Housing: NOVA make Cast 316 Stainless Steel Machined Housing with Non Corrosive Stainless Steel Bezel. Cable Entry through Cable Glad for Water Protection. Heat resistant toughened glass diffuser with Silicone water proof gasket-IP68.

Electrical: Power LED of 1W or 1.5W with suitable LED Lens powered by Integral & Remote Constant Current Ai/NL LED Driver of high efficiency for long life LED performance.

Optical Component: High Optical Efficiency Ai/NL LED Lens of 15/24/40/60 Degrees Beam angle for Variable Light distribution.



Distribution

MOUNTING SUITABILITY

RECESSED IN FLOOR

PROTECTION

IP Rating: IP68



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. Stainless Steel embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.

xxx





NL-7666-INGROUND-LINEAR

INGROUND UP LIGHTING



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Luminaire Diameter 100mm	Luminaire Depth 75mm	PVC Box 145mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-7666-301PLED-WW/CW	3 x 1W Power LED	7°,15°,24°,36°	3W
NL-7666-302PLED-WW/CW	3 x 1.5W LED	7°,15°,24°,36°	4.5W

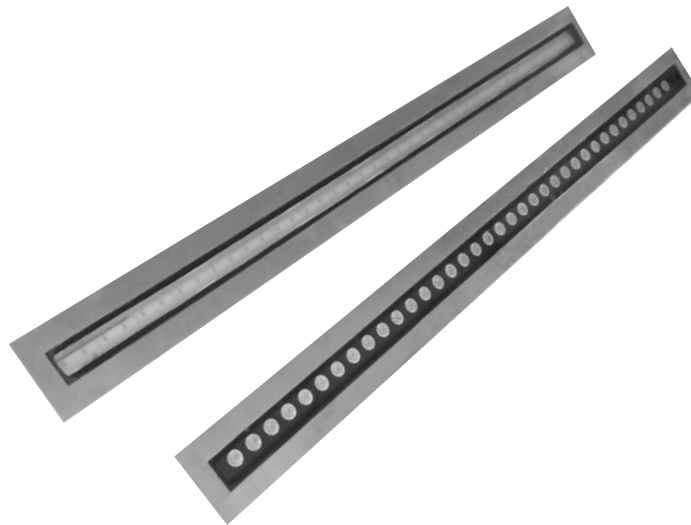
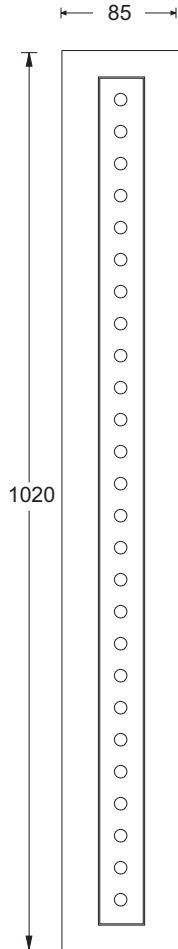
DESCRIPTION FIXTURE

LED INGROUND LUMINAIRE

Housing: NOVA make Heavy Duty Cast Aluminum housing fabricated using *AiNL Fabrication Technique*, Marine Grade 304, *AiNL* Stainless steel, top bezel ring, duly machined and polished, mounted in a external *AiNL* FRP sleeve with SS spring supports for firm mounting and easy removal. *AiNL* Toughened glass diffuser, silicone sealed to ensure complete water ingress protection. Cable exit through water proof sealed cable M12 gland.

Electrical: With 3 Nos 1W or 1.5W Power, mounted on an aluminum sandwiched PCB board, The luminaire shall be provided with internal *AiNL* thermal management heat sink for LED junction temperature. Suitable for operation with Integral high efficiency, constant current *AiNL* LED driver for optimal light output. Non hygroscopic copper wire PVC sheathed cable of adequate length is provided. Suitable for operation on 220v AC supply.

Optical Efficiency: *AiNL* High Light output. LED Lens of 15/24/40/60 Degrees Beam angle for Variable Light distribution.



MOUNTING SUITABILITY

IN RECESS IN FLOOR

INGRESS PROTECTION

IP Rating: IP67
IK Rating: IK10



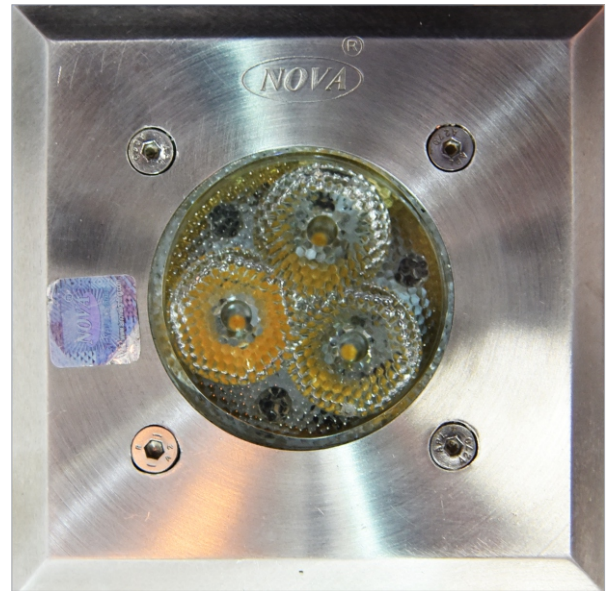
NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible. Accessories pvc embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.

xxx

NL-7862-PLED

3W & 5W INGROUND UPLIGHTER LUMINAIRE



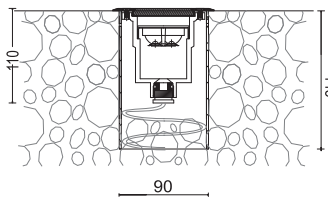
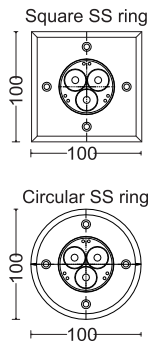
INGROUND UP LIGHTING





NL-7862-PLED

INGROUND UP LIGHTING



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Luminaire Diameter 100mm	Luminaire Depth 75mm	PVC Box 145mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-7862-301PLED-WW/CW	3 x 1W Power LED	7°,15°,24°,36°	3W
NL-7862-302PLED-WW/CW	3 x 1.5W LED	7°,15°,24°,36°	4.5W

DESCRIPTION FIXTURE

LED INGROUND LUMINAIRE

Housing: NOVA make Heavy Duty Cast Aluminum housing fabricated using *AiNL Fabrication Technique*, Marine Grade 304, *AiNL* Stainless steel, top bezel ring, duly machined and polished, mounted in a external *AiNL* FRP sleeve with SS spring supports for firm mounting and easy removal. *AiNL* Toughened glass diffuser, silicone sealed to ensure complete water ingress protection. Cable exit through water proof sealed cable M12 gland.

Electrical: With 3 Nos 1W or 1.5W Power, mounted on an aluminum sandwiched PCB board, The luminaire shall be provided with internal *AiNL* thermal management heat sink for LED junction temperature. Suitable for operation with Integral high efficiency, constant current *AiNL* LED driver for optimal light output. Non hygroscopic copper wire PVC sheathed cable of adequate length is provided. Suitable for operation on 220v AC supply.

Optical Efficiency: *AiNL* High Light output. LED Lens of 15/24/40/60 Degrees Beam angle for Variable Light distribution.



MOUNTING SUITABILITY

RECESSED IN FLOOR

PROTECTION

IP Rating: IP66
IK Rating: IK08



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible. Accessories pvc embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.

xxx





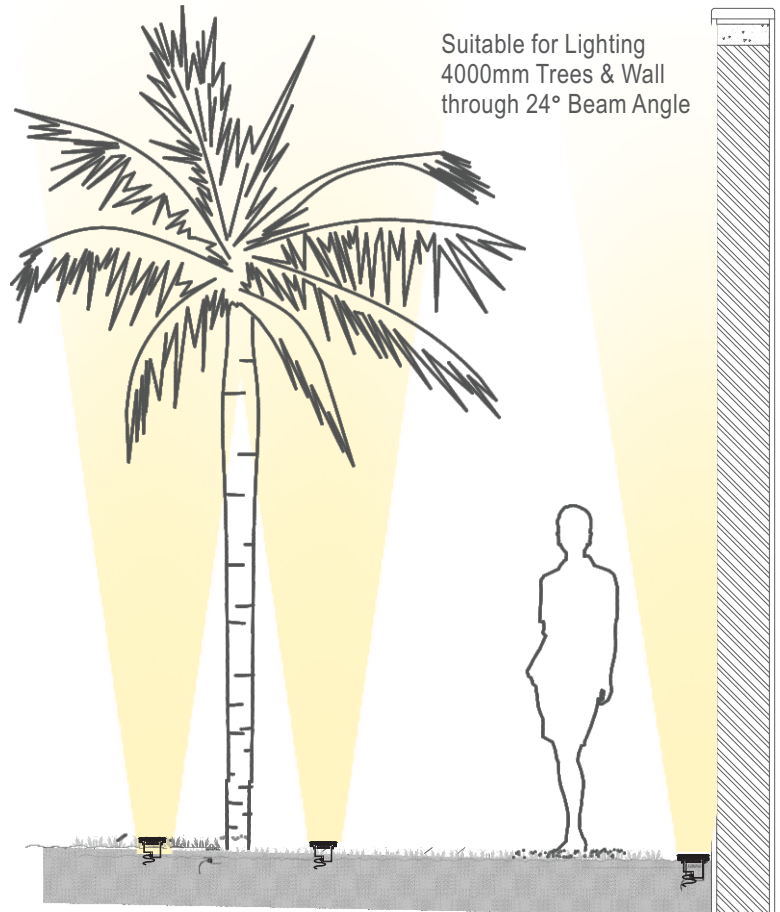
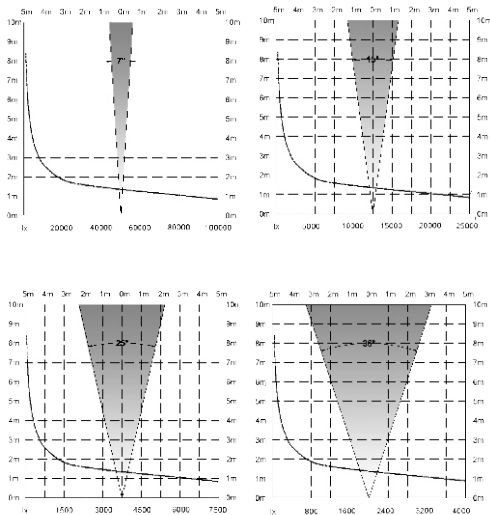
NL-7863-701PLED

7W INGROUND UPLIGHTER LUMINAIRE

INGROUND UP LIGHTING



Suitable for Lighting
4000mm Trees & Wall
through 24° Beam Angle



XXX

NL-7863-701PLED



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

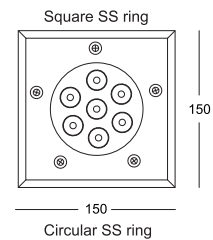
Luminaire

Luminaire Diameter 155mm	Luminaire Depth 70mm	PVC Box 150mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
Circular Top SS Bezel Plate			
NL-7863-701PLED-WW/CW	7 x 1W Power LED	7°,15°,24°,36°	7W
NL-7863-702PLED-WW/CW	7 x 1.5W Power LED	7°,15°,24°,36°	10W

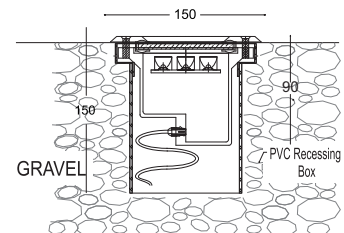
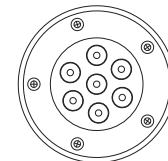


DESCRIPTION FIXTURE

Housing: NOVA make Heavy Duty Cast Aluminum housing fabricated using *AiNL Fabrication technique*, Marine Grade 304, Stainless steel, *AiNL* top bezel ring, duly machined and polished, mounted in a external *AiNL* FRP sleeve with SS spring supports for firm mounting and easy removal. Toughened glass diffuser, silicone sealed to ensure complete water ingress protection. Cable exit through water proof sealed cable M16 gland.

Electrical: With 7 x 1W Power LED lamps, mounted on an *AiNL* aluminum sandwiched PCB board, The luminaire shall be provided with internal *AiNL* thermal management heat sink for LED junction temperature. Suitable for operation with Integral high efficiency, constant current *AiNL* LED driver for optimal light output. Non hygroscopic copper wire PVC sheathed cable of adequate length is provided. Suitable for operation on 220v AC supply.

Optical Efficiency: *AiNL* High Light output. LED Lens of 15/24/40/60 Degrees Beam angle for



MOUNTING SUITABILITY

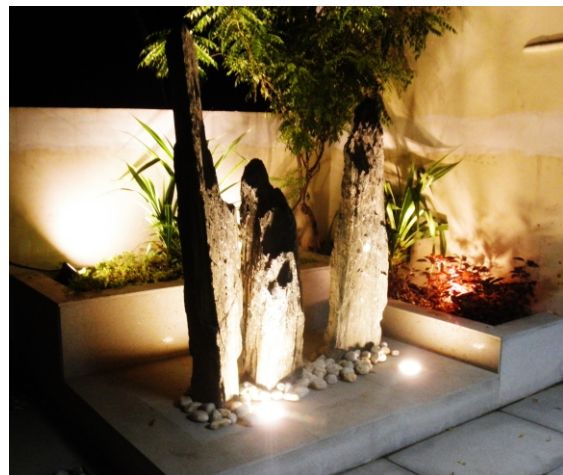
RECESSED IN FLOOR

PROTECTION

IP Rating: IP67
IK Rating: IK09



Distribution



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible. Accessories pvc embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.



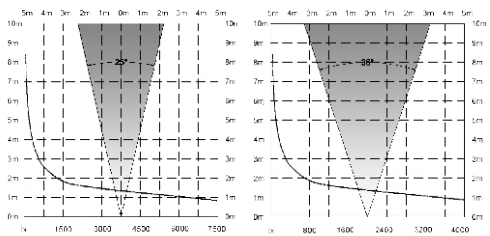
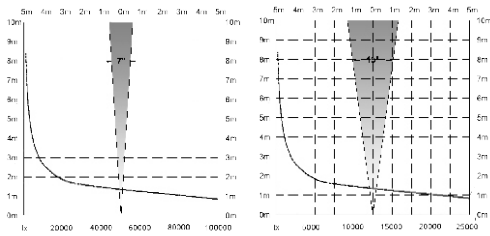
NL-7861-1201PLED

12W INGROUND UPLIGHTER LUMINAIRE

INGROUND UP LIGHTING



Suitable for Lighting
6000mm Trees &
8000mm Wall/Column
using 24° Beam Angle



XXX

NL-7861-1201PLED



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Luminaire Diameter 205mm	Luminaire Depth 100mm	PVC Box 150mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-7861-1201 PLED-WW/CW	12 x 1W Power LED	7°,15°,24°,36°	12W
NL-7861-1202 PLED-WW/CW	12 x 1.5W Power LED	7°,15°,24°,36°	18W

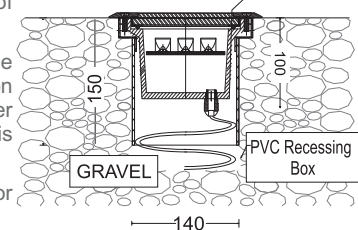
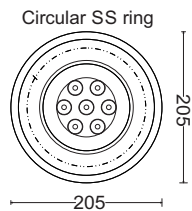
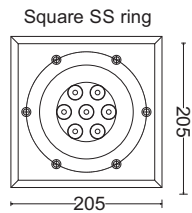
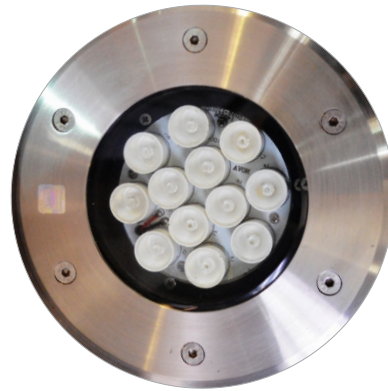
DESCRIPTION FIXTURE

LED INGROUND LUMINAIRE

Housing: NOVA make Heavy Duty Cast Aluminum housing fabricated using *AiNL Fabrication Technique*, Marine Grade 304, Stainless steel, top bezel ring, duly machined and polished, mounted in a external FRP sleeve with SS spring supports for firm mounting and easy removal. Toughened *AiNL* glass diffuser, silicone sealed to ensure complete water ingress protection. Cable exit through water proof sealed cable M16 gland.

Electrical: With 12 x 1W LED lamps, mounted on an *AiNL* aluminum sand witted PCB board, The luminaire shall be provided with internal *AiNL* thermal management heat sink for LED junction temperature. Suitable for operation with Integral *AiNL* high efficiency, constant current *AiNL* LED driver for optimal light output. Non hygroscopic copper wire PVC sheathed cable of adequate length is provided. Suitable for operation on 220v AC supply.

Optical Efficiency: *AiNL* High Light output. LED Lens of 7/15/24/36/45/60 Degrees Beam angle for Variable Light distribution.

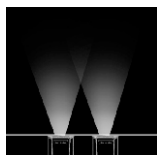


MOUNTING SUITABILITY

RECESSED IN FLOOR

PROTECTION

IP Rating: IP67
IK Rating: IK10



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible. Accessories pvc embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.



INGROUND UP LIGHTING

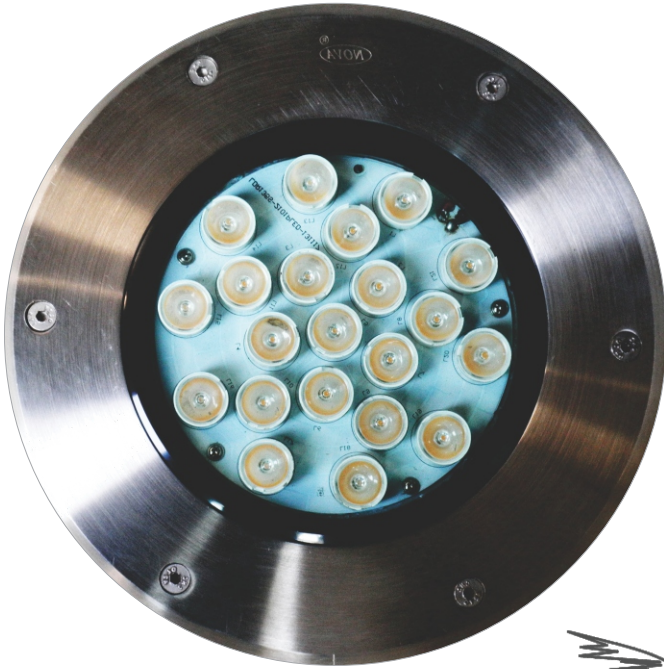




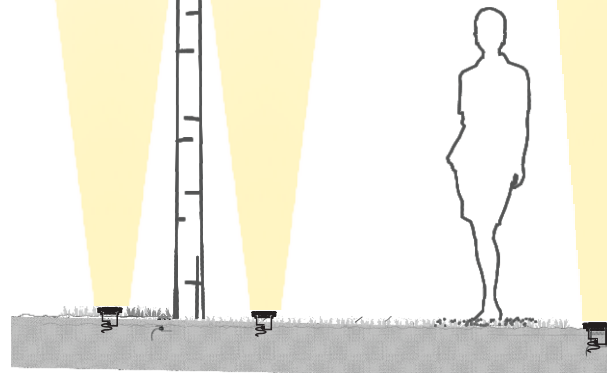
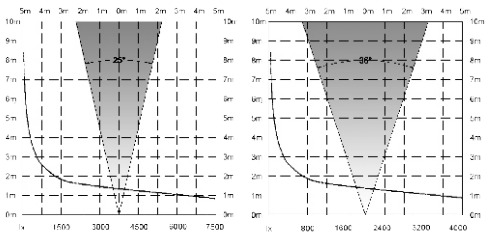
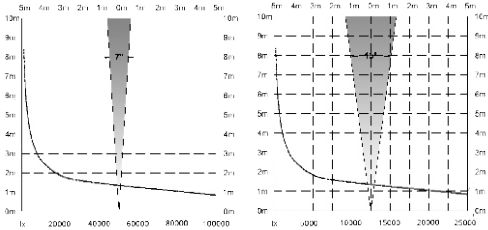
NL-7871-PLED

24W INGROUND UPLIGHTER LUMINAIRE

INGROUND UP LIGHTING



Suitable for Lighting
8000mm Trees &
12000mm Wall/Column
using 24° Beam Angle



XXX

NL-7871-PLED



APPLICATIONS



LAMP SUITABILITY



DIMENSIONS

Luminaire

Luminaire Diameter 275mm	Luminaire Depth 100mm	PVC Box Depth 150mm
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ORDER CODE

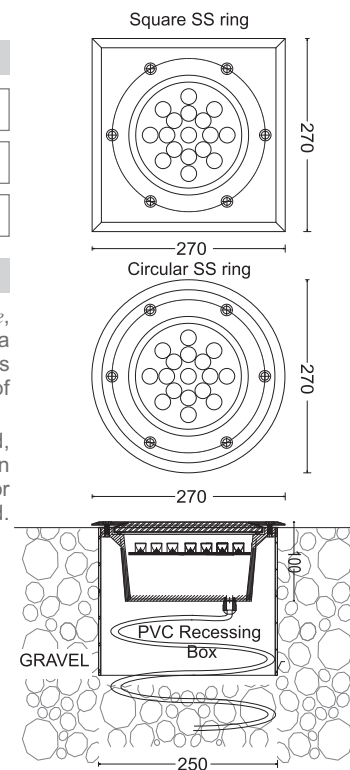
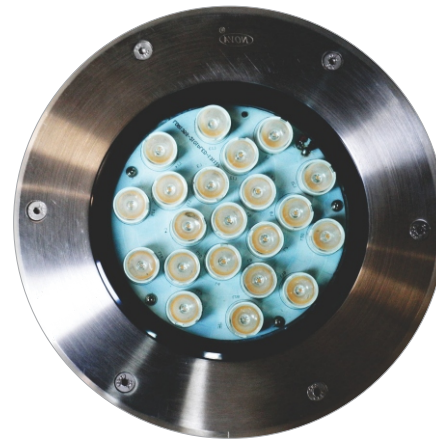
LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-7871-2401 PLED-WW/CW	24 x 1W Power LED	7°,15°,24°,36°	24W
NL-7871-2402 PLED-WW/CW	24 x 1.5W Power LED	7°,15°,24°,36°	30W

DESCRIPTION FIXTURE

Housing: NOVA make Heavy Duty Cast Aluminium housing fabricated using *AiNL Fabrication Technique*, Marine Grade 304, Stainless steel, *AiNL* top bezel ring, duly machined and polished, mounted in a external FRP sleeve with SS spring supports for firm mounting and easy removal. Toughened glass diffuser, silicone sealed to ensure complete water ingress protection. Cable exit through water proof sealed cable M16 gland.

Electrical: With 24 x 1W Power LED lamps, mounted on an *AiNL* aluminium sandwiched PCB board, The luminaire shall be provided with internal thermal management heat sink for LED junction temperature. Suitable for operation with Integral high efficiency, constant current *AiNL* LED driver for optimal light output. Non hygroscopic copper wire PVC sheathed cable of adequate length is provided. Suitable for operation on 220v AC supply.

Optical Efficiency: *AiNL* High Light output. LED Lens of 15/24/40/60 Degrees Beam.

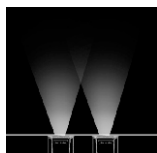


MOUNTING SUITABILITY

RECESSED IN FLOOR

PROTECTION

IP Rating: IP67
IK Rating: IK09



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible. Accessories pvc embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.



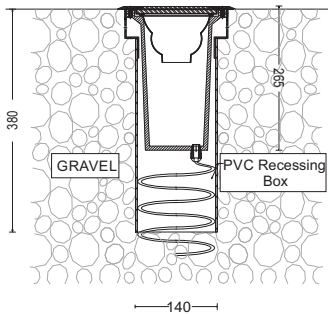
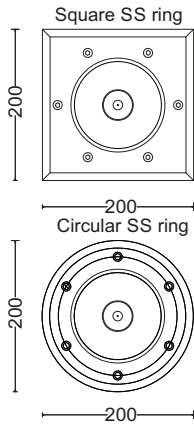
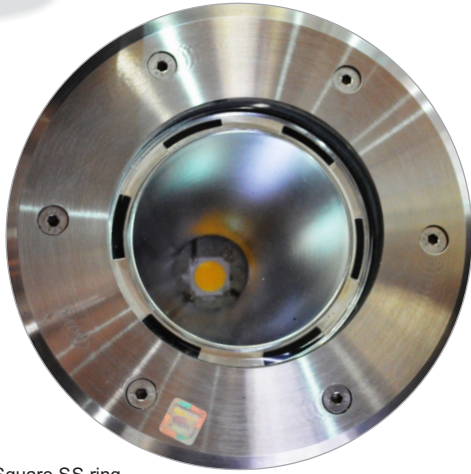
INGROUND UP LIGHTING





NL-7861-Deep recessed uplighter

INGROUND UP LIGHTING



APPLICATIONS



LAMP SUITABILITY

20W
COB
LED



DIMENSIONS

Luminaire

Luminaire Diameter 205mm	Luminaire Depth 265mm	PVC Box 380mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
NL-7861-DR-20W-COB-LED	20W COB LED	Narrow	18W

DESCRIPTION FIXTURE

INGROUND LUMINAIRE

Housing: Heavy duty cast aluminum housing with high corrosion resistance for floor embedded driveway application. Stainless Steel 304 grade top bezel circular plate with heavy duty 10mm thickness heat resistant toughened glass diffuser. Silicone gasket covered to the glass using silicon sealant for ingress protection from water, dust and insects for life time. Stainless Steel 316 screws to connect top plate to housing. Nickel plated M16 brass cable gland for cable entry for protection from water ingress. Luminaire provided with external FRP recessing box for prevention form corrosion in case of soil immersion.

Electrical: Luminaire suitable Metal halide with High efficiency ballast with capacitor and ignitor for Optimal Lighting output.

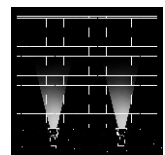
Optical: Anodized aluminum reflector for metal halide lamp with Narrow and Wide Beam for various lighting application.

MOUNTING SUITABILITY

RECESSED IN FLOOR

PROTECTION

IP Rating: IP67
IK Rating: IK10



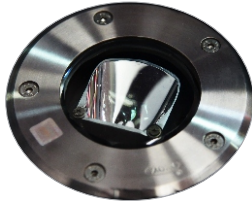
Distribution

NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible. Accessories pvc embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.

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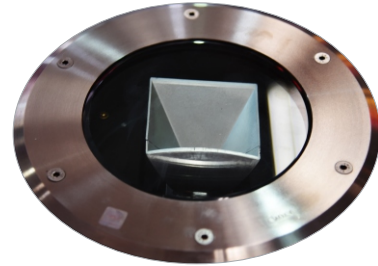
InGround Asymmetrical Luminaires



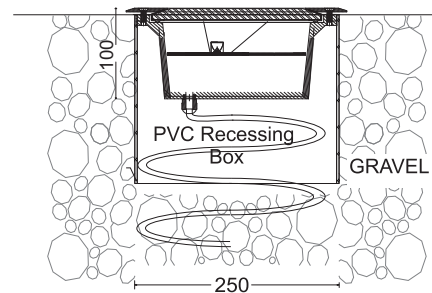
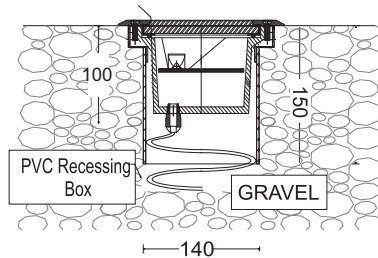
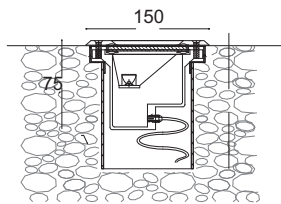
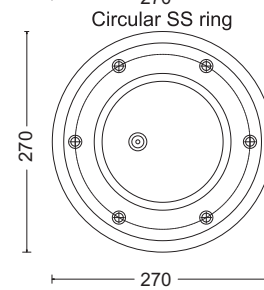
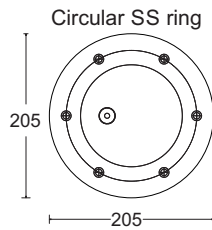
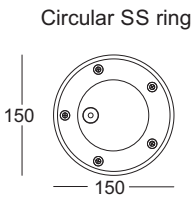
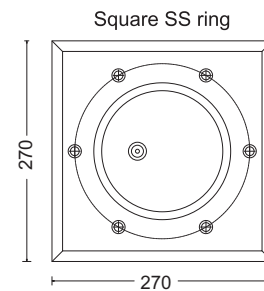
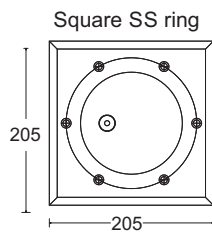
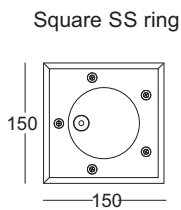
NL-7863-10COB Assymetrical



NL-7861-20COB Assymetrical



NL-7871-30COB Assymetrical

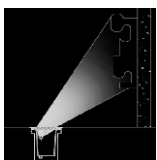


MOUNTING SUITABILITY

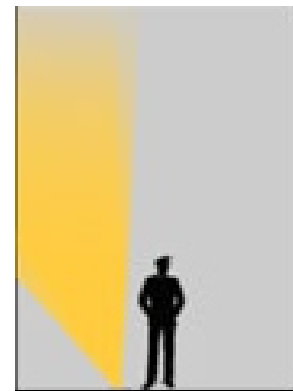
IN RECESS IN FLOOR

INGRESS PROTECTION

IP RATING: IP67



Distribution



INGROUND UP LIGHTING





InGround Asymmetrical Luminaires

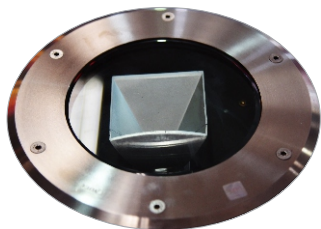
INGROUND UP LIGHTING



NL-7861-20COB Asymmetrical



NL-7863-10COB Asymmetrical



NL-7871-30COB Asymmetrical

APPLICATIONS



LAMP SUITABILITY

30W COB POWER LED	20W COB POWER LED	10W COB POWER LED	COB-LED
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DIMENSIONS

Luminaire

W-L 150mm	D 50mm
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ORDER CODE

LUMINAIRE CODE	LAMP TYPE	OPTICS	Watts
Circular Top SS Bezel Plate			
NL-7863-10COB	10W COB LED	Asymmetrical	10W
NL-7861-20COB	20W COB LED	Asymmetrical	20W
NL-7871-30COB	30W COB LED	Asymmetrical	30W
Square Top SS Bezel Plate			
NL-7863-SQ-10COB	10W COB LED	Asymmetrical	10W
NL-7861-SQ-20COB	20W COB LED	Asymmetrical	20W
NL-7871-SQ-30COB	30W COB LED	Asymmetrical	30W

DESCRIPTION FIXTURE

INGROUND LUMINAIRE

Housing: Heavy duty cast aluminum housing with high corrosion resistance for floor embedded driveway application. Stainless Steel 304 grade top bezel circular plate with heavy duty 10mm thickness heat resistant toughened glass diffuser. Silicone gasket covered to the glass using silicon sealant for ingress protection from water, dust and insects for life time. Stainless Steel 316 screws to connect top plate to housing. Nickle plated M16 brass cable gland for cable entry for protection from water ingress. Luminaire provided with external FRP recessing box for prevention form corrosion in case of soil immersion.

Electrical: Luminaire suitable for COB LED lamps driven by High efficiency Constant Current COB LED Driver.

Optical: Anodized aluminum reflector for COB with asymmetrical Light distribution.



NOTE

Ensure enough cavity below and around the luminaire fill the cavity with pebbles and gravel. The luminaire is water ingress protected but is not water submersible. Accessories pvc embedding chamber to ensure adequate heat dissipation volume and to ensure water permeation.

xxx