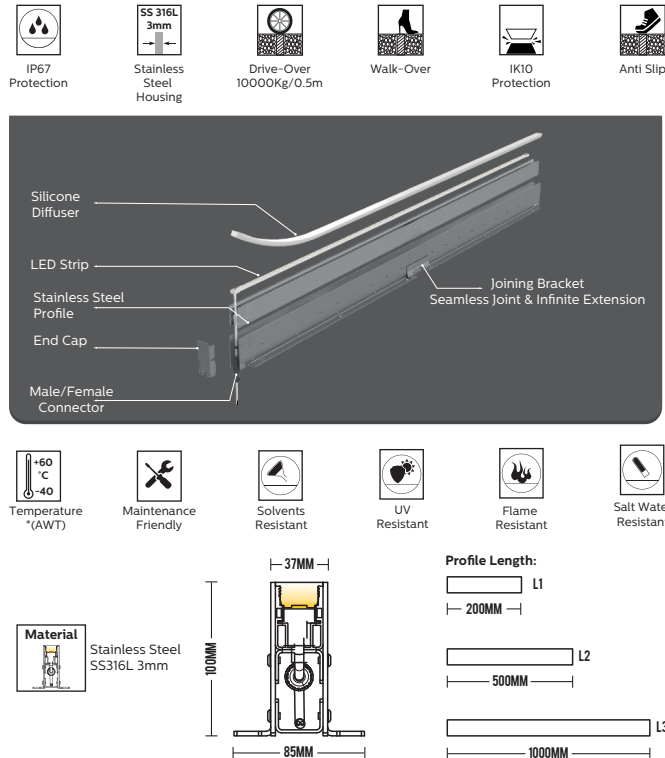


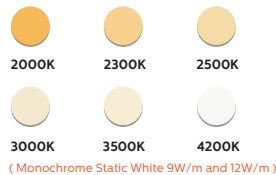
Stainless Steel Version (SS316L):



Tests and Certification Mark:



White Color CCT:



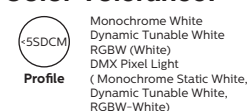
Dynamic Tunable White:



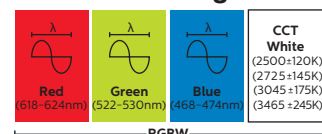
Color Rendering Index:



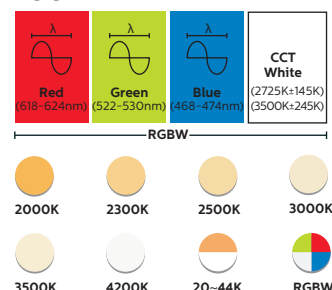
Color Tolerance:



RGBW Wavelength / CCT:



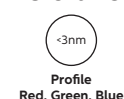
DMX Pixel Wavelength / CCT:



Color Rendering Index:



Color Wavelength Tolerance:



Benefits:

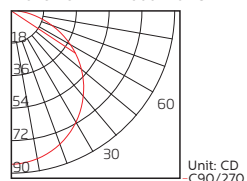
A neat and seamless inground floor lighting solution to optimally perform with **Visual Crispness, Effectivity, Comfort, Robustness and Reliability** in demanding driveway and high pedestrian movement areas.

Features:

- Dependable, innovative, effective and prompt technical support to all project stakeholders from idea to realization phases of the project.
- Key features of this range are excellent corrosion resistance and sturdiness for driveway and high pedestrian footfall areas through the use of Stainless Steel SS-316L grade for inground housing, sleek luminaire profile (37 X 100 X 85mm), IP67 water and dust protection rating of complete luminaire assembly.
- Stainless steel SS-316L inground housing is designed for static load bearing of 10,000kg/0.5m (SS316L-3mm wall thickness, 500mm and 1000mm long luminaires, drive over and stamp over applications) and 8,000Kg/0.5m (SS 316L-2mm wall thickness, 200mm long luminaire, walk over application only).
- Anti-slip and UV resistant Silicone optical diffuser with IK10 impact rating and drain holes in the inground housing compliments the use of this range in harsh conditions.
- Ambient working temperature range for 9W/m (Static Monochrome White) version is -40 to +60 °C , -40 to +55 °C for 12W/m (Static Monochrome White, Dynamic White, DMX Pixel) and -40 to +45 °C for 15W/m version (RGBW, DMX Pixel) respectively.
- Modular and scalable inground housing enables continuous and seamless installation. Stainless Steel SS-316L inground housings (37 x 100 x 85 mm) are available in three linear lengths of 200mm, 500mm and 1000 mm.
- Set of optional accessories like push lock end covers, joining brackets, male/female IP67 connectors, PVC protective cover and graduation scale on SS316 housing etc. assist in design, installation and commissioning of system in a safe, compliant and effective manner.
- Future proof, durable and smart design of mechanical platform ensures ease of light engine upgradability and hassle-free replacement, installation, operation and maintenance.
- A palette of colors and control options comprising of static monochromatic white, dynamic tunable white, RGBW and DMX Pixel (monochromatic white, dynamic tunable white and RGBW) provides the freedom and flexibility in meeting the requirements of the project and it's stakeholders.
- Flat and sleek luminous surface ensures crisp and controlled light distribution for intricate lighting effects.
- Optimal pitch of LEDs and optical distribution system for homogenous, dot free, glare less luminance provides visual comfort and elegance.
- LED strip flexible profile is of vertical bending thus ensuring safe and smooth insertion in the inground housing slot.
- Extensive range of remote mounted drivers, controllers and accessories provides the flexibility to design, install, operate and maintain the system in a safe, reliable and durable manner.
- Conceal wiring option is available with Stainless Steel SS-316L inground housing.
- IP68 Silicone injection molded Front Connector and End Connector on the Silicone LED strip flexible profile eliminates the ingress of water and moisture inside the LED strip and male-female IP67 connectors provides reliable connections to driver wiring.
- Ingneo - I components placement technique adopted for Flexible PCB based LED Strip ensures it's physical reliability during handling, installation and maintenance.
- Ingneo - I technology having tinned Copper belt improves thermal heat dissipation performance of LEDs and improves DC voltage conductivity to Silicone Flexible PCB.
- Ingneo - I technology adds self-cleaning, anti-dust and moisture repellant hydrophobic coating along with improving anti UV degradation capability of Silicone light diffuser.
- Ingneo - I technology (anti-wicking ferrule) applied on cable eliminates the capillary phenomenon through wires, which secured the long term reliability in outdoor and wet environment.

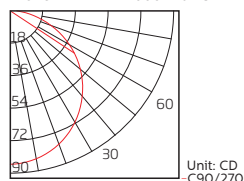
Polar Diagram:

INGI-3K-9W-24V-1000-IP67-S



Average Beam Angle (50%) : 115°

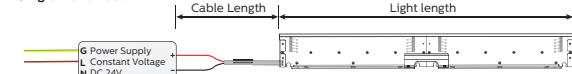
INGI-3K-12W-24V-1000-IP67-S



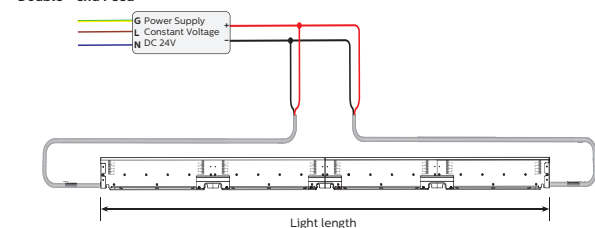
Average Beam Angle (50%) : 115°

Monochrome Static White Light Wiring Diagrams:

- Single - end Feed



- Double - end Feed



Notes:

Please refer to "Wiring Diagrams" of below stated options for details:

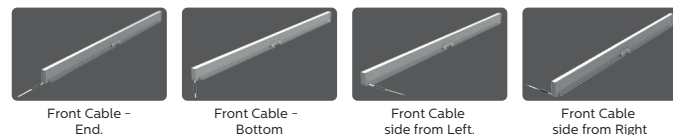
- Monochrome Static White Light - 9W/m and 12W/m.
- Dynamic Tunable White Light - 12W/m.
- RGBW Light - 15W/m
- DMX Pixel Light - 12W/m, 15W/m (Monochrome Static White, Dynamic Tunable White, RGBW).

For any clarification, please contact our sales representative.

Accessories:



Cables Routing in SS316L Housing:



Applications:

- Driveways of residences, commercial entities, public and private institutions.
- Parking lots, passageways and congregation areas of hospitality, healthcare, education, retail, recreational, commercial, public and private buildings and complexes.
- Accentuation of landscape areas, parks, gardens, public squares and monuments.
- Orientation lighting for pedestrian alleyways, brisk walking, jogging and cycling tracks.
- Seafront promenades, water features and fountains for external inground dry area lighting applications.

Options:

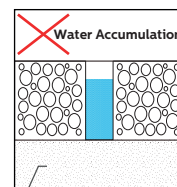
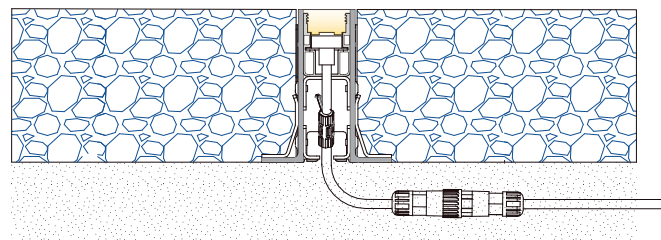
- Complete range of synchronized constant voltage DC 24V power supplies, DMX-512 Compatible Controller with DMX Pixel Light(Silicone) LED profiles are available, meeting site conditions and application requirements and conforming to relevant applicable standards. Please do contact our sales representatives for details and suggestions.
- Please refer to "General Specification" and "Wiring Diagrams" of Ingneo - I for options of LED lighting sources (Static Monochrome White, Dynamic Tunable White, RGBW, DMX Pixel color options), controls and wiring. Please do contact our sales representatives for details and suggestions.



Accessories:

- Push-lock end cover, joining bracket, male/female connectors assist in creating a neat and seamless continuous stretch of lighting effect.
- PVC protection cover is available as an accessory and must be used during the construction/concrete pouring /paver installation / back filling phase of installation and protects the empty inground housing from construction debris, dust and moisture. After civil construction phase is over, this PVC cover is removed from inground housing and flexible LED profile is connected to IP 67 connectors and inserted in the inground housing. Afterwards Silicone Diffuser is inserted on the inground housing thus completing the installation sequence.
- Please refer to the website link for a video on installation instructions.

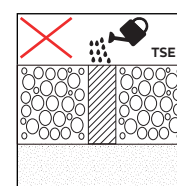
Installation Photo:



Porous base layer for easy drainage of water.

Note:

Please ensure quick water drainage from in ground luminaire cavity to avoid water accumulation around the luminaire housing.



Note:

Exposure of luminaire to TSE(Treated Sewage Effluent/ Purple Water) should be eliminated.

Ordering Guide:

Product	CCT	Wattage	Voltage	Length(mm)	Ingress Protection	Driver
INGI	2.2K=2200K 2.7K=2700K 3K=3000K 3.5K=3500K 4K=4000K 5.7K=5700K	9W 12W	24V	200 500 1000 C=Customized	IP67	S=On/Off D=DALI V=0-10V C=Casambi

Product Code and Parameters: 9W

Product Code	Wattage	Voltage (VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Dimension (mm)
INGI-3K-9W-24V-1000-IP67-S	9W	24VDC	3000K	80	260lm	37x100x1000
INGI-3.5K-9W-24V-1000-IP67-S	9W	24VDC	3500K	80	265lm	37x100x1000
INGI-4K-9W-24V-1000-IP67-S	9W	24VDC	4000K	80	265lm	37x100x1000
INGI-5.7K-9W-24V-1000-IP67-S	9W	24VDC	5700K	80	265lm	37x100x1000

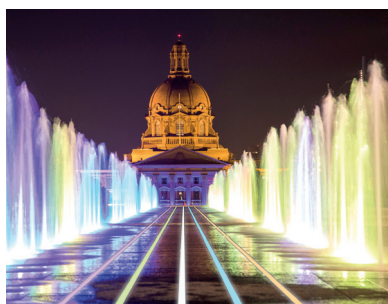
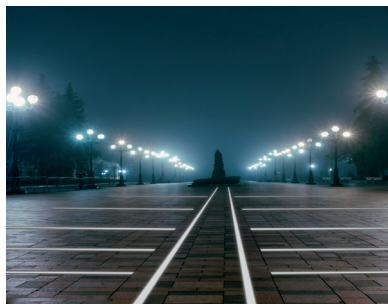
* Please contact us for other CCT (2200K, 2700K), CRI90 and Dimming/Dimming options.

Product Code and Parameters: 12W

Product Code	Wattage	Voltage (VDC)	CCT	CRI(Ra)	Lumen Flux (LM/m)	Dimension (mm)
INGI-3K-12W-24V-1000-IP67-S	12W	24VDC	3000K	80	345lm	37x100x1000
INGI-3.5K-12W-24V-1000-IP67-S	12W	24VDC	3500K	80	355lm	37x100x1000
INGI-4K-12W-24V-1000-IP67-S	12W	24VDC	4000K	80	355lm	37x100x1000
INGI-5.7K-12W-24V-1000-IP67-S	12W	24VDC	5700K	80	355lm	37x100x1000

* Please contact us for other CCT (2200K, 2700K), CRI90 and Dimming/Dimming options.

Application Images:



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