wieland



THE RST® WATERPROOF SYSTEM FOR

HORTICULTURE LIGHTING

Easy installation for greenhouses and vertical farms

FULL SPEED –
BE READY FIVE TIMES FASTER.

CONVENTIONAL INSTALLATION



20 MIN

STEPS:

POWER DISTRIBUTION:

1. Cut the cable to length
2. Strip the cable sheath
3. Insert the cable into the junction box
4. Strip the wire insulation
5. Connect the individual wires
6. Close the junction box

LIGHTING INSTALLATION:

1. Open the luminaire
2. Cut the cable to length
3. Insert the wire into the luminaire
4. Strip the wire insulation
5. Connect the individual wires
6. Close the luminaire

PLUGGABLE INSTALLATION FROM WIELAND WITH RST®



4 MIN

STEPS:

POWER DISTRIBUTION:

1. Cable assemblies made to order based on your specifications
2. Plug into distribution block

LIGHTING INSTALLATION:

- Plug & turn on!

ADDITIONAL ADVANTAGES OVER CONVENTIONAL INSTALLATION:

+ Touch-safe
+ Simple cable layout
+ Plug & play replacement of devices
+ Easy expansions or modifications
+ Reusable
+ Smart coding
+ Integrated locking and strain relief

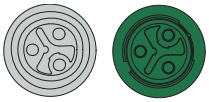
WIN MORE PROJECTS

If you could save 75% of the installation time of your electrical system what would you do with the extra time?

Would you win more projects, focus on expanding your operations, or perhaps develop a new product or service?

Time saved is not the only benefit that the RST® pluggable connector system brings to your project. Standard interfaces and custom cable assemblies allow you to plan ahead with confidence. Respond quickly to change requests, reuse components, and ensure a long service life for the installation.





SMART CODING

RST® connectors ensure the highest degree of **safety** and **error-free installation** with color and mechanical coding.

SYSTEM BENEFITS

- **Waterproof against corrosion, hose-directed water, & prolonged submersion**
- **Five times faster installation than conventional pipe & wire**
- **Easy changes or expansions with reusable parts**
- **Consistent installation across projects with pre-fabricated cable harnesses made-to-order**

RST® SYSTEM OVERVIEW

TYPE 4X / 6P

Wieland's RST® pluggable technology protects against hose-directed water, corrosion and even prolonged submersion!

INCOMING SUPPLY → DISTRIBUTION







SUCCESS STORY

VERTICAL CITY FARM APPLICATION

To help with a new vertical farm installation, Wieland provided its customer with a waterproof, pluggable and easy to install electrical system for its grow lights. Our engineering department worked closely with the customer to come up with a **customized electrical architecture**. The pluggable nature of the installation **saved 70% of installation time** compared to what a typical pipe and wire installation would have required.

By providing our customer with **custom cable harnesses**, they could easily replicate the system in subsequent farms, knowing exactly the lengths and type of connectors they would need. This allowed the customer to expand their business quicker and gain customers faster than their competitor. In addition, the smart coding system of the connectors **eliminated installation errors** and did not require a special skills worker to be installed.



ROUTING → DEVICE CONNECTION

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Type Ratings:

Type 4	Protection against dust, ice and hose-directed water
Type 4X	Type 4 protection + protection against corrosion
Type 6	Protection against dust, ice and temporary submersion
Type 6P	Type 6 + protection against prolonged submersion (1.8m; 24h)

Wieland circular connectors have Type 4X, Type 6P, or both types of protection.

FITS **ANY APPLICATION**



RST® POWER

Greatest amount of energy for power-intensive applications.

4 and 5 poles,
Rated to 600 V, 53 A

RST® CLASSIC

All-purpose connector with the broadest portfolio

2 to 7 poles,
Rated to 600 V, 20 A (25 A)

RST® MINI

Small connector for confined spaces

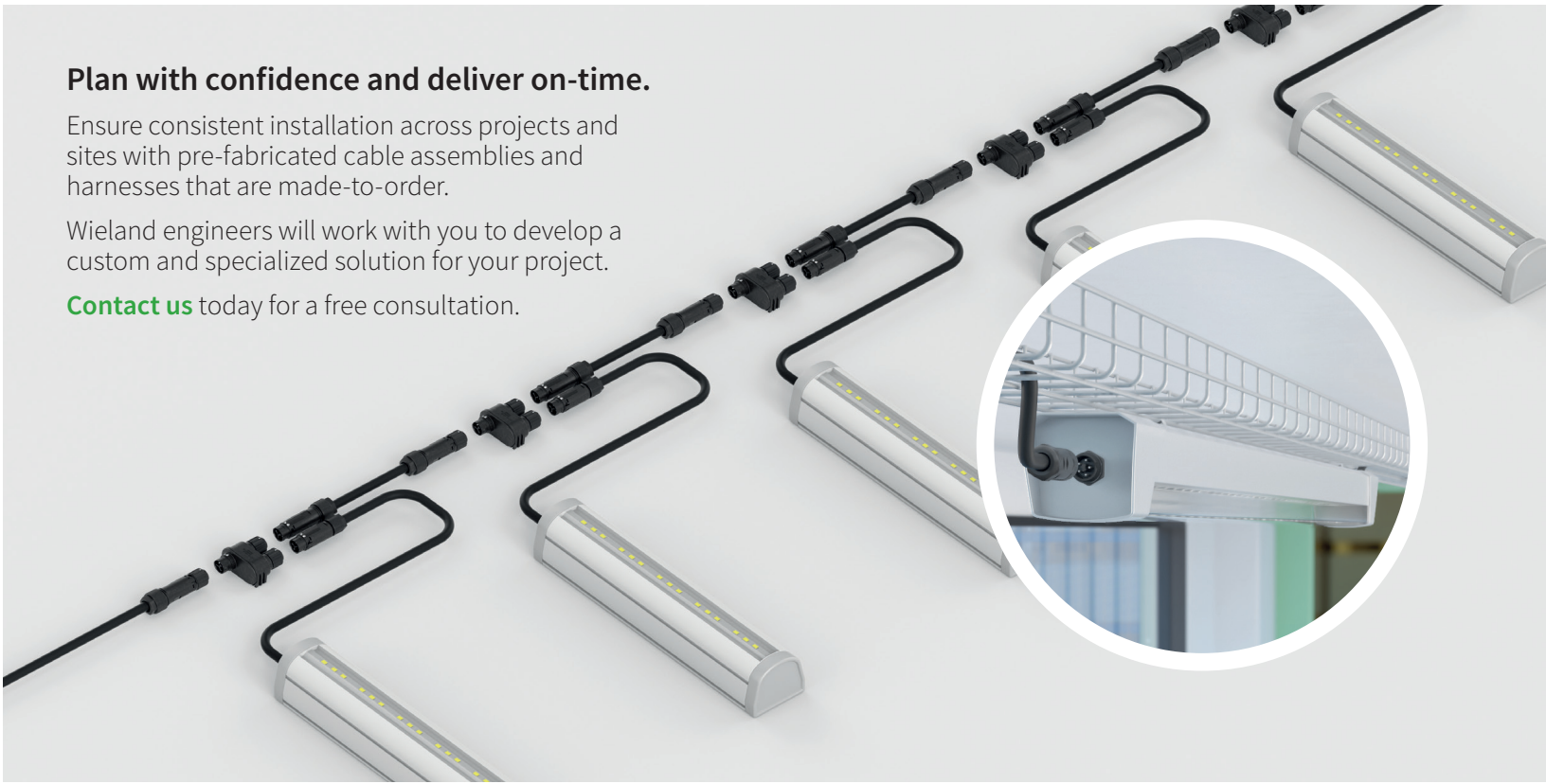
2 to 5 poles,
Rated to 600 V, 16 A

RST® MICRO

Small connector for extremely confined spaces

2 to 5 poles,
Rated to 400 V, 8 A

DESIGNED FOR YOU – **SPECIALTY CABLE HARNESSES**



Plan with confidence and deliver on-time.

Ensure consistent installation across projects and sites with pre-fabricated cable assemblies and harnesses that are made-to-order.

Wieland engineers will work with you to develop a custom and specialized solution for your project.

Contact us today for a free consultation.

wieland

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