

Juno® Trac

0-10V Dimming? For Juno Trac?

Yes – we have a solution for you!

Many customers inquire about 0-10V dimming compatibility for Juno track systems. They often want the ability to control their track lighting with the same system that is controlling their other luminaires. And understandably so, as 0-10V dimming typically provides smooth dimming performance ideal for residential, retail, or spaces with multipurpose lighting. Other key advantages of dimming include the ability to create custom environments, reduced power consumption, and often longer source life.

How can 0-10V be achieved with track lighting?

Track systems that enable 0-10V dimming are typically very complex. They often include separate conductors to add a control bus, making the necessary system connections mechanically complex and making track adapters larger, expensive, and similarly complex. Specifiers, installers, and end-users have reported the frustrations and troubleshooting nightmares that have resulted from using such systems. Some manufacturers have even tried to overlay control communication signals on power conductors, again adding complexity and cost.

Why hasn't Juno Trac offered a solution before?

Juno Trac fixtures currently offer phase-dimming compatibility to keep specification, installation, and operation simple and problem-free. This also ensures a consistent portfolio and product compatibility with renovation projects and upgrades.

Our solution for you:

We are happy to propose a solution for 0-10V dimming that we believe is less expensive, more reliable, and easier to install with a standard Juno track system.

ECOSENSE® – a company not affiliated with Acuity® or Juno® Trac – markets a product called the EcoSpec® LDCM 0-10V Dimming Control Module ([EcoSpec® Linear Dimming Control Module Plenum Rated - ECOSENSE Lighting](#)). This interface device accepts a 0-10V dimming control input and delivers a corresponding reverse phase-dimmed power output (120V or 277V*) such that 0-10V control systems can be used to control phase-dimmable fixtures. Acuity used to market this ECOSENSE® device as a “PCDM” before discontinuing it in 2024 (it still appears on our website as a discontinued item).

We believe this offers an excellent solution for 0-10V dimming of a basic 2-wire (line & neutral) track system using LED or incandescent fixtures. The EcoSpec® LDCM 0-10V module simply attaches to a junction box and is wired to the end feed of a Juno track system. The small profile is great for shallow plenum applications and the module is plenum-rated. Each module is rated 450W on a 120V load or 1000W on a 277V* load.

We encourage you to explore the ECOSENSE® EcoSpec® LDCM 0-10V Dimming Control Module for your Juno Trac 0-10V dimming applications.

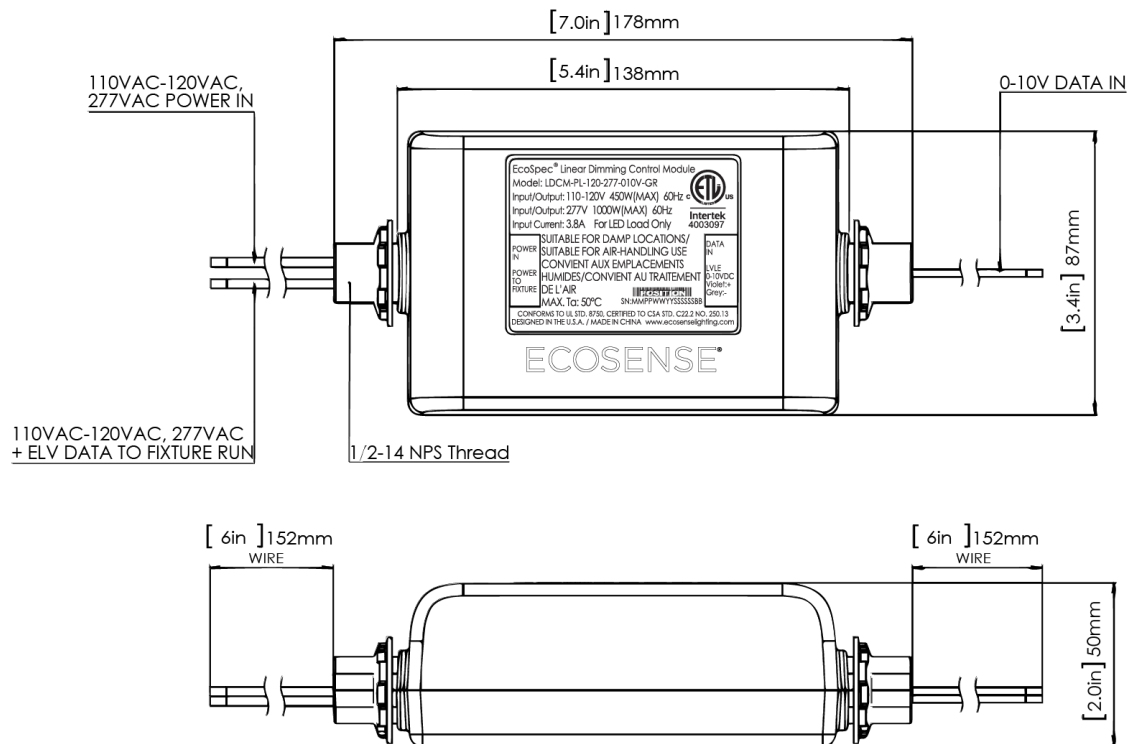
For any questions, please contact our Product Director at Michael.McCown@AcuityBrands.com.

*277V dimming requires a 277V phase-dimming compatible driver – consult factory.

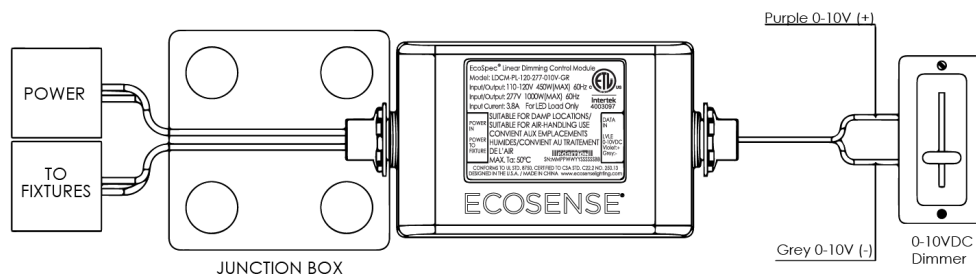
Juno® Trac

0-10V Dimming

Dimensions



Connections



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