

INDY LIGHTS: Dallara IL-15 Chassis

By Dave Lewandowski (INDYCAR)

A distinctive and innovative Dallara IL-15 chassis will usher in a new era for Indy Lights Presented by Cooper Tires, the top rung of the Mazda Road to Indy ladder system.

The Indy Lights Dallara IL-15 chassis was unveiled in the shadow of the Pagoda at the historic Indianapolis Motor Speedway, where Indy Lights drivers will contest the Freedom 100 on May 23.

"Choosing Dallara as our chassis partner for the new Indy Lights car has turned out to be a great decision. They have crafted a state-ofthe-art race car with the latest technology and safety enhancements, which will provide the necessary training as we develop the next crop of Verizon IndyCar Series drivers," said Dan Andersen, owner and CEO of Andersen Promotions, which oversees all aspects of the Mazda Road to Indy.

The introduction of the chassis, which will be assembled at the Dallara factory in Speedway, Ind., will coincide with the 30th anniversary of Indy Lights. Advanced Engine Research will supply the 2-liter, turbo-charged engines.

Anderson also announced that the 2015 Indy Lights Presented by Cooper Tires champion will be guaranteed a three-race program in the 2016 Verizon IndyCar Series, including an entry in the 100th Indianapolis 500.

"Indy Lights is a pivotal step in the Mazda Road to Indy ladder system and today's unveiling of the new Dallara chassis is a key advancement in the evolution of the series," INDYCAR CEO Mark Miles said. "INDYCAR has a long history with Dallara and the partnership is instrumental in our long-term goals of continued developments in safety, innovation and a thrilling ontrack product."

A graduate of Indy Lights is represented on each of the 11 rows of three for the 98th Indianapolis 500 Mile Race on May 25, including seven Indy Lights champions. Sage Karam, 19, of Nazareth, Pa., last year's series champion is among seven rookies in the field.

Conor Daly will drive the car during its maiden U.S. test Aug. 4 at Mid-Ohio Sports Car Course. Tristan Vautier, the 2012 Indy Lights champion, will take the wheel for subsequent summer tests on the Indianapolis Motor Speedway road course and oval and the Milwaukee Mile. Verizon IndyCar Series drivers will be invited to drive and provide input.

Project manager Tony Cotman said safety was at the forefront of design, and the car mirrors the Verizon IndyCar Series car supplied by Dallara with full-length anti-intrusion panels, sidemounted radiators to assist in energy absorption, a raised monocoque to protect the driver's head, a front wing span to reduce wheel-to-wheel contact and increased underwing width to also reduce wheel-to-wheel contact. The driver's seat fits the Indy Lights and Verizon IndyCar Series chassis.

"Basically, what you have is lighter, stronger, safer, sexier," said Tony Cotman, the project manager. "We've learned a lot from INDYCAR and this car, particularly in the monocoque area, is basically an IndyCar. It has a small-displacement engine with high fuel-efficiency. This is the start of an evolution for Indy Lights."



Top Speed: 200 mph

Design: Carbon chassis and bodywork

Weight: 1,400 pounds Length: 192 inches Width: 76 inches

Transmission: 6-speed semi-automatic

Dallara IL-15 AER-P63 engine

Engine: 2-liter, turbocharged 4-cylinder Horsepower: 450 horsepower plus 50 horse-

power push to pass Design: All aluminum

Weight: 230 pounds dry crated

Features: Carbon plenum, carbon inlet runner and trumpets and "drive-by-wire" throttle control Electronics: AER with full active-knock control, ignition-angle learning, advanced boost control and integrated gear-shift strategies

Dallara IL-15 Components

- Cosworth looms, data logger, dash, display and sensors
- Dynamic dampers
- Life Racing paddle-shift kit
- · Tilton carbon clutch
- · PFC brakes
- 2014 carryover items include gearbox internals (including ratios), dampers and springs







