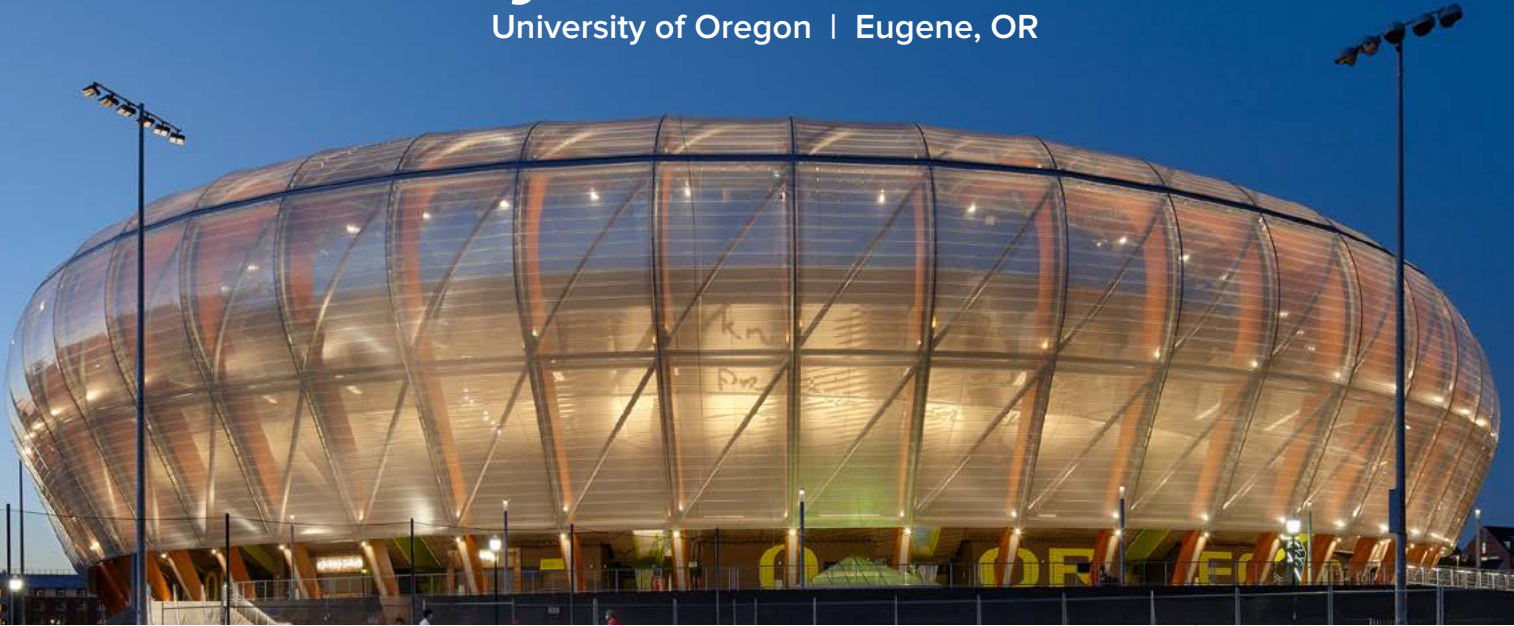


TARGETTI CASE STUDY

# Hayward Field

University of Oregon | Eugene, OR



## Project Description

The University of Oregon's beloved historic **HAYWARD FIELD** was torn down in June 2018, just three years shy of its 100th anniversary as the home of the Oregon track program, to make room for a visually stunning, \$200 million state-of-the-art facility that opened in Spring of 2021. Hayward Field was designed by Seattle-based architectural firm SRG Partnership, built by Hoffman Construction, with Lighting Design expertly crafted by the award-winning firm - Horton Lees Brogden Lighting. (HLB). The Hayward Field development team went across the country and around the world visiting 11 different Olympic venues all over Europe with another trip that including 10 Hall of Fame and multi-cultural museums in the United States and Canada. The entire project was fully funded by private donations from Nike co-founder Phil Knight and his wife, Penny, and more than 50 other donors. It was a "Design Build" project where in the designers, architects and contractors work as a close-knit team enabling them to allow for changing elements in real time, as they were built, making last-minute accommodations and changes possible. Hayward Field capacity is being listed as 12,650 with an ability to expand to 25,000 for large events like the 2021 USA Olympic Trials and the World Championships. The final result is the \$200 million state-of-the-art Hayward Field - The most expensive and modern track-only facility in the United States.

## Project Details

**Lighting Design:**  
Horton Lees Brogden  
Lighting

**Architect:**  
SRG Partnership, Inc

**Contractor:**  
Hoffman Construction

**Electrical Contractor:**  
EC Electric

**Distributor:**  
North Coast

**Photos:**  
© Kevin Scott

## Hayward Field's Design Objective #1

Create a "Theater" for Track and Field. This included unobstructed sight lines throughout; great acoustics; a new nine-lane track and intimacy, a proximity of spectators to athletes. The arena seating is in the form of spacious 22-inch seats with generous and comfortable 44-inch tread depth throughout the stadium. The first row of seats will sit on track level, mere feet from the outside lane giving spectators unprecedented views of the action.

Create a "Theater" for Track and Field / University of Oregon







## Hayward Field's Design Objective #2

Create a Heroic Wood Glulam Structure. The design team was tasked with the clients goal of showcasing Oregon history, culture, and forest products. As Bill Bowerman said before the 1974 Hayward Renovation, *“Oregon is wood, and wood is Oregon.”* Hoffman Construction worked closely with their trade partner Western Archrib to fabricate each of the 83 unique pairs of massive glulams. Each glulam bent was shipped to the project in three pieces, which were then assembled on-site.

**Create a Heroic Wood Glulam Structure** / University of Oregon

### Hayward Field's Design Objective #3

Create a structure that is open and airy. As a result of sourcing materials locally, the stadium has become a symbolic representation of the state of Oregon. The base is made of stone echoes the Cascade mountain range  
Timber beams in the roof represent Oregon's lush fir forests  
Transparent roof provides expansive views of the hills surrounding Eugene.

**Create a structure that is open and airy** / University of Oregon





## Powerful, yet Minimalist

1000 DART fixtures were used throughout the stadium. HLB selected the powerful, yet minimalist sized **DART** floodlight projector in both the large **DART Maxi** and **DART Medium** to illuminate both the Glulam and wood “fins” of the structure and the stadium seating. The largest version within the **DART** range - **DART Maxi** is designed for architectural lighting of large surfaces and maximum light throw, where it is distance essential to the design.



DART MAXI



## Perfect Inground Accent



KEPLERO MINI HIGH EFFICACY

The perfect inground accent to illuminate the exterior wood “fin” structure was the **KEPLERO MINI HIGH EFFICACY**. The perfect strength of an in-ground fixture matched with low power and extremely high performance. Using a high-specular polycarbonate reflector that focuses the emission of a single COB LED creating a soft, high performance beam within a smaller aperture.



## Products Used



DART MAXI



DART MEDIUM



KEPLERO HIGH  
EFFICACY 6"



KEPLERO  
GIMBAL HP 11"



MINI MERCURE



## Products Used



### DART Maxi

The largest version within the DART range. **DART MAXI** is designed for architectural lighting of large surfaces and maximum light throw, where it is distance essential to the design. The NSP optic is designed to have a clean, precise 6° beam using a parabolic reflector which collimates the beam and emits a defined, precise cone of light.

- DIMENSIONS W = 8.43"
- WATTAGE 29W / 38W - NS 56W / 88W - SP / FL / MF / WF / AS
- LUMENS NS (29W/38W) - 2247Lm / 2802Lm SP (56W/88W) - 3728Lm / 4811Lm FL (56W/88W) - 4187Lm / 5404Lm MW (56W/88W) - 5363Lm / 6922Lm WF (56W/88W) - 5349Lm / 6904Lm AS (56W/88W) - 5978Lm / 7715Lm
- 2700K / 3000K / 3500K / 4000K
- OPTICS NS - not available in 2700K or 3500K  
SP FL MW WF AS

[USEFUL LINK](#) [↓](#) [DART Maxi](#)



### DART Medium

**DART MEDIUM** is available with two asymmetrical optics. A more open version on the horizontal axis that makes it possible to widen the pitch between fixtures and a new version defined as Narrow Asymmetric that is more comfortable and controlled.

- DIMENSIONS W = 5.3"
- WATTAGE 19W - NS 36W - SP / FL / MF / WF / AS / NA
- LUMENS NS - 1068Lm SP - 2498Lm FL - 2344Lm MF - 3470Lm WF - 4156Lm AS - 3229Lm NA - 3586Lm
- 2700K / 3000K / 3500K / 4000K
- OPTICS NS - not available in 2700K or 3500K  
SP FL MW WF AS NA

[USEFUL LINK](#) [↓](#) [DART Mini](#)



## Products Used



### KEPLERO Mini High Efficacy 6”

The **KEPLERO MINI HIGH EFFICACY** version has very low power with extremely high performance. Using a high-specular polycarbonate reflector that focuses the emission of a single COB LED creating a soft, high performance beam within a smaller aperture. This fixture is also available as Factory Sealed version.

- DIMENSIONS 6” dia.
- WATTAGE 16W
- LUMENS SP - 1423Lm FL - 1434Lm MF - 1420Lm
- 2700K / 3000K / 3500K / 4000K
- OPTICS SP FL MW

**USEFUL LINK** [↘ KEPLERO Mini High Efficacy 6”](#)



### KEPLERO Gimbal 11”

The **KEPLERO GIMBAL HP** version is designed to produce high intensity narrow beams and are the ideal solution for precision lighting from long distances.

- DIMENSIONS 11” dia.
- WATTAGE 37W
- LUMENS NS - 2524Lm SP - 2346Lm FL - 2286Lm
- 3000K / 4000K
- OPTICS NS SP FL

**USEFUL LINK** [↘ KEPLERO Gimbal 11”](#)

## Products Used



### Mini MERCURE

A direct view compact linear recessed inground with a flush “all glass” monochromatic opal lens create a particularly striking and elegant installation in both solo or continuous row installations.

- DIMENSIONS L = 23.62”
- WATTAGE 9W
- LUMENS 309Lm
- 3000K / 4000K
- OPTICS WF

[USEFUL LINK](#) [↓](#) [Mini MERCURE](#)