URBAN UNITS

URBAN UNITS is a concept evolving around HEPER's idealization of outdoor lighting poles being infrastructures for smart cities. Designed as a modular system, URBAN UNITS can make public areas smarter without crowding the space. Every light pole can be integrated with additional smart components. Each lighting module can be used together with connectivity modules. Modules can be mixed and matched on top of an URBAN UNITS Pole and each module can be rotated freely to provide flexibility for the designers of future smart cities. With URBAN UNITS, possibilities are endless!

In addition to URBAN UNITS' standard modules, other smart modules with unique capabilities can be customized including but not limited to motion sensors, sound sensors, air quality monitoring systems, etc.

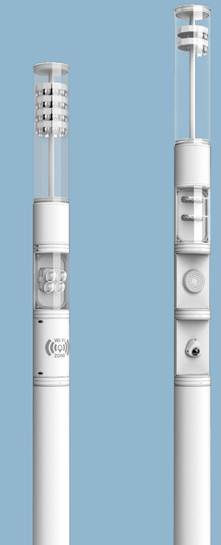
TOP MODULE V3
Dyno (DYN) is a state-of-the-art, reflector-based optical technology that provides exceptionally controlled and efficient light output. Different layers of reflectors can be used together to create lighting solutions with different distributions and power to add further flexibility. Furthermore, thanks to the hidden light source in the optical design, efficient and uniform lighting with minimized glare become possible.

FLOODLIGHT MODULE
URBAN UNITS Floodlight Modules can be creatively used to bring attention to any important element in an outdoor public environment. It can be a zone, a statue, or a facade, Floodlight Modules can provide exceptionally controlled beam to bring attention to certain areas. HEPER's Hybrid (HYB) Modules are used in Floodlight Modules to bring highly optimized light distribution with well-defined beam and field angles and minimized scattering.

STREET LIGHTING MODULE
URBAN UNITS Street Lighting Module is used to provide asymmetric light distribution to illuminate narrow streets, pathways, and perimeter areas within or near public spaces. Efficient LED chips and lenses are used to provide different types of light distributions to add further flexibility.

URBAN UNITS

A Light Column Family
Redefining Urban Life



Mix and match type lighting and smart components modules achieve endless possibilities for URBAN UNITS family.

- 360° rotatable mix-match type light and connectivity modules
- Scalable and expandable product family
- Easy installation and maintenance with modular structure
- Standby solution for complete smart city applications

CE IK08 IP65

Dyno (DYN)

Dyno (DYN) is a distinctively unique reflector-based optical technology that can be used in various applications such as wall-washing or pathway illumination.

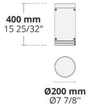
- Shell type reflectors excel at controlling the light in linear form
- Precisely engineered micro-facets optimize the light output, resulting in a uniform light distribution without streaks and striations
- The alignment of the light sources blocks direct eye contact and prevents glare

Hybrid (HYB)

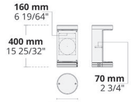
We combined a lens and a secondary reflector to achieve total beam control, and thus we named it Hybrid (HYB). The overall clean beam makes Hybrid (HYB) a great light source for floodlights and wall grazers.

- Redirecting the light twice, Hybrid (HYB) achieves a well-defined light output with clean beam and field angles
- As a result of the control of the light beam, stray light is minimized without having to use secondary shielding

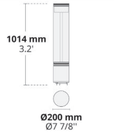
LP4053.514 / LP4053.695



LP4053.901 / LP4053.902
LP4053.903



LP4054.843 / LP4054.844
LP4054.847 / LP4054.848



Product code	Product name	Light distribution	Delivered lumens flux	Rated input power	Colour temperature	Control	Weight
LP4053.514-EN	URBAN UNITS Street Lighting Module	[T2-S] 130x85°	3224 - 3488 lm	40 W	4000 K CRI 70, 3000 K CRI 80	On/Off, DALI, AstroDIM(3-Step), StepDIM	5.6 kg
LP4053.695-EN	URBAN UNITS Adjustable Floodlight Module	[N] 26°, [S] 7°	3490 - 3965 lm	35 W	4000 K CRI 70, 3000 K CRI 80	On/Off, 1-10V, DALI, AstroDIM(3-Step), StepDIM	5.55 kg
LP4054.843-EN	URBAN UNITS V3 Top Module, 180°, 2 Module	[ASYM] 210x55°	2128 - 2470 lm	28 W	4000 K CRI 70, 3000 K CRI 80	On/Off, 1-10V	12.43 kg
LP4054.844-EN	URBAN UNITS V3 Top Module, 360°, 2 Module	[SYM] 360x55°	4192 - 4914 lm	52 W	4000 K CRI 70, 3000 K CRI 80	On/Off, 1-10V	12.83 kg
LP4054.847-EN	URBAN UNITS V3 Top Module, 180°, 4 Module	[ASYM] 210x55°	3100 - 5066 lm	38 - 54 W	3000 K CRI 80, 4000 K CRI 70	On/Off, 1-10V	15.45 kg
LP4054.848-EN	URBAN UNITS V3 Top Module, 360°, 4 Module	[SYM] 360x55°	6147 - 9998 lm	73 - 102 W	4000 K CRI 70, 3000 K CRI 80	On/Off, 1-10V	15.85 kg

Extras

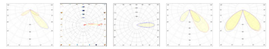
Light output	Finishing options
CLO	MG
[CLO] Constant light output	**[MG]** Marine grade coating

LP4053.903-EN Wifi Module

LP4053.902-EN Speaker Module

LP4053.901-EN Camera Module

As standard; we offer the camera, speaker and Wi-Fi modules without any devices. We can also offer the device at your request. For the device list, please check the "URBAN UNITS Accessories" section on our website. The devices to be used with the modules must weigh a maximum of 5 kg and have a minimum IPX5 protection class. The maximum outer dimensions of encased part of the devices should not exceed 16 cm in length and width and 7 cm in depth.



[T2-S] Asymmetric, Side throw, Short

[S] Spot

[N] Narrow

[ASYM] Asymmetric, 180°

[SYM] Symmetric, 360°

[HM1] Black (Textured)

[HM2] Dark grey (Textured)

[HM3] Anthracite grey (Textured)

[HM4] Light grey (Textured)

[HM5] White (Textured)

[HM6] Bronze (Textured)

[CC] Custom Colour (Please specify RAL code)