

# D WAVE



**General:** D-Wave represents a revolutionary lighting concept to illuminate even the most complex outdoor pathways. D-Wave is a surface mounted flexible low profile made of recyclable rubber (PVC) and designed to evenly illuminate walkways, trails, parks and any other area without any limitation. The product is meant to be placed along paths and walls. D-Wave (short for Dirigo Wave) is the evolution of our successful Dirigo product, designed as alternative to bollards, taking a totally different approach, where the fixture blends with the trail it's illuminating and maintains excellent light levels alongside it, without being noticed. D-Wave uses our popular Rubber 3D products as light engine.

**Fixture Body:** D-Wave profile is made of PVC, lead free. Please refer to Rubber spec sheets for lighting engine material.

**Mounting:** Surface mounted.

**Weight:** 1.78 lbs./ft (D-Wave profile only, excluding lighting engine. Please refer to Rubber spec sheets for their weight).

**Drive-over:** Fixture is Walk-Over only.

**Driver:** Remote. 24V DC Dimmable 0-10V, Lutron EcoSystem 0.1% or Non-Dim. 24V DC DMX Dimmable (for Rubber 3D RGBW only).

**Wattage:** 3 W/ft (Rubber 3D), 6.7 W/ft (Rubber 3D Optic), 5 W/ft (Rubber 3D RGBW),

**Cable:** Rubber products come with 0.82' of cable (Power cable required, ordered separately).

**IP rating:** IP67 for temporary flooding up to 3.28' depth for up to a maximum of 30 mins (Rubber).

**IK rating:** IK 10

**ETL Certification:** ETL, wet location

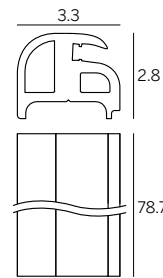
**Optics:** Fixed, available as General Illumination (Rubber 3D), with Elliptic Spot or Elliptic Flood (Rubber 3D Optic), RGBW (Rubber 3D RGBW).

**Color temperatures:** 2700K - 3000K - 4000K - RGBW (Rubber).

**CRI:** 80+ (Rubber).

**Lumen Maintenance:** L70 projections tested at Tj 65° C and Ta 25°.

**Warranty:** 5-year Limited Warranty on fixtures. 1-year Limited Warranty on Remote Drivers.



**Lumens per foot for LED roles**

- 3DWH = 2700K 139lm/ft (d) / 3000K 154lm/ft (d) / 4000K 165lm/ft (d)
- 3DCON = 3000K 76 lm/ft (d)
- 3DOPTWH-ELSP = 2700K 539lm/ft (d) / 3000K 567lm/ft (d) / 4000K 595lm/ft (d)
- 3DOPTWH-ELFL = 2700K 569lm/ft (d) / 3000K 599lm/ft (d) / 4000K 629lm/ft (d)
- 3DOPTBL-ELSP = 2700K 461lm/ft (d) / 3000K 486lm/ft (d) / 4000K 510lm/ft (d)
- 3DOPTBL-ELFL = 2700K 490lm/ft (d) / 3000K 516lm/ft (d) / 4000K 542lm/ft (d)

Ordering Information				(Required) <sup>6</sup>			
Product	LED Reel	Length	Wattage/Operation	Color Temp	Optic	Driver	Accessories
DWA = D-Wave	3DWH = 3D, White Finish 3DCON = 3D, Concrete finish	A = (Specify length) Reel cuttable in 1.8" increments	3CV = 3W/ft / Remote Constant Voltage 24V DC	27 = 2700K 30 = 3000K <sup>3</sup> 40 = 4000K	GE = General ELSP = Elliptical/Spot ELFL = Elliptical/Flood	D010 L3DOE NDW DMX CVDMMX	E77408 E77409 E77410 E77411 E77412 E77469 E99688 E99692 E99539 C-V400002
	3DOPTWH = 3D Optic, White Finish 3DOPTBL = 3D Optic, Black Finish	A = (Specify length) Reel cuttable in 6.5" increments	7CV = 6.7W/ft / Remote Constant voltage 24VDC DMX driver				
	3DWH = 3D, White Finish	A = (Specify length) Reel cuttable in 1.8" increment	5CVDMMX = 5W/ft / Remote Constant voltage 24VDC DMX driver <sup>2</sup>	R3 = RGBW 3000K <sup>4</sup>	GE = General <sup>5</sup>		

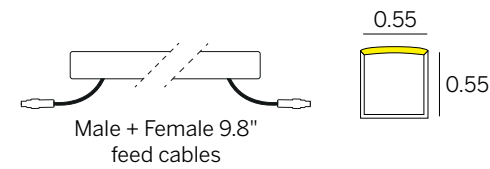
<sup>1</sup>D-Wave modules ship in 78.74" (2m) sections/increments, to be field cuttable. Hard ground brackets are included (E77411 Soft ground pegs ordered separately).  
Straight junction accessories E77410 included (where required based on the layout).

Right E77408 and Left E77409 end cap accessories included (where required based on the layout).  
3D LED reels ship in 39.37" (1m) and 196.85" (5m) length, field cuttable in 1.8" increments.  
3DOpt LED reels ship in 39.37" (1m), 59.05" (1.5m) and 118.11" (3m) length, field cuttable in 6.5" increments.

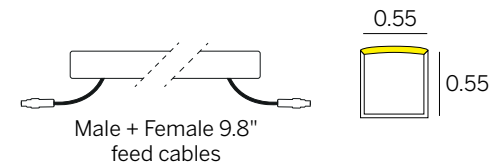
For patterns requiring 90° corners (internal or external), please specify as separate systems, and order the applicable accessories separately. Minimum bending radius: 35.4" (900mm).  
<sup>2</sup> White Only  
<sup>3</sup> Concrete only available in 3000K

<sup>4</sup> R3 available with 5CVDMMX only  
<sup>5</sup> R3 General illumination only  
<sup>6</sup> See page 2

**3W/ft / 7.6W/ft 24V CC**



**5W/ft 24V CV**



**DRIVER OPTIONS (pick one)**

**C.V. Power supply options (remote only)**

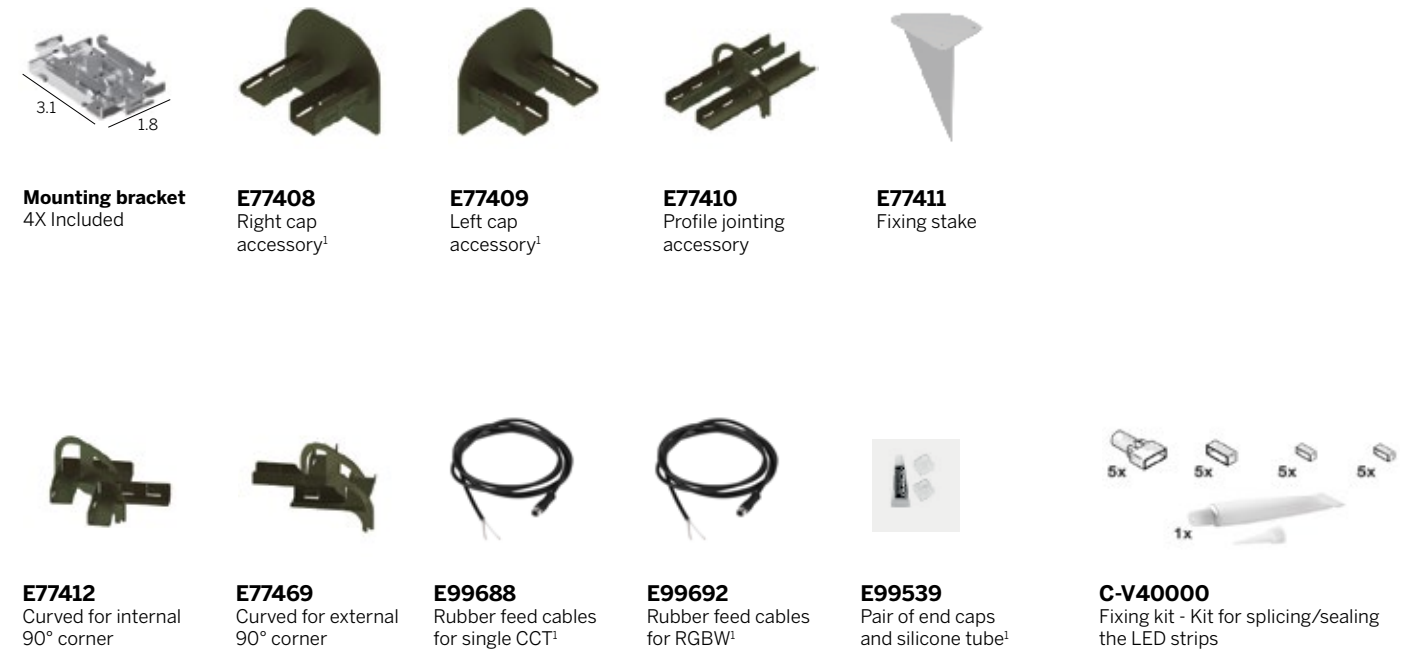
- OT96-D010**  
Remote 10% 0-10V dim, Dry location CV 24VDC 96W driver
- L3DOE**  
Remote 0.1% Lutron EcoSystem dim, Dry location CV 24VDC driver 96W
- NDW**  
Remote Non-dim, Wet location CV 24VDC driver 96W (Non-direct burial)

**DRIVER OPTIONS (pick one)**

**C.V. Power supply options (remote only)**

- CVDMMX**  
Remote Constant voltage 24VDC DMX driver

**Accessories**



**E77408**  
Right cap accessory<sup>1</sup>

**E77409**  
Left cap accessory<sup>1</sup>

**E77410**  
Profile jointing accessory

**E77411**  
Fixing stake

**E77412**  
Curved for internal 90° corner

**E77469**  
Curved for external 90° corner

**E99688**  
Rubber feed cables for single CCT<sup>1</sup>

**E99692**  
Rubber feed cables for RGBW<sup>1</sup>

**E99539**  
Pair of end caps and silicone tube<sup>1</sup>

**C-V40000**  
Fixing kit - Kit for splicing/sealing the LED strips

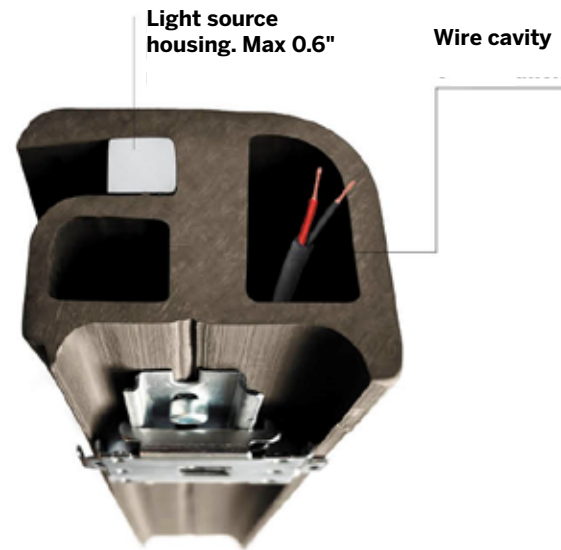
<sup>1</sup>Feed cables and end caps are included on each system configuration, as needed

# COMPLETE D-WAVE WITH THE LIGHT UNIT OF YOUR CHOICE

## Complete D-Wave with the light unit of your choice

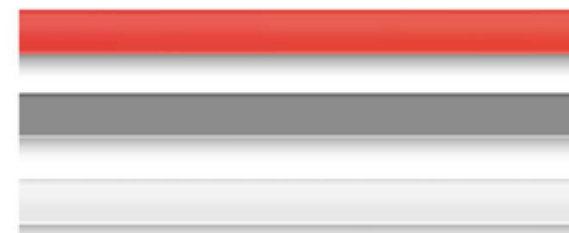
D-Wave is an all-in-one extrusion that can contain in the front channel, a light source chosen from:

- Rubber 3D
- Rubber 3D Optic
- Rubber 3D RGBW



Complete D-Wave with the Rubber light source

Discover The Rubber Family



Rubber 3D



Rubber 3D Optics



Rubber 3D RGBW

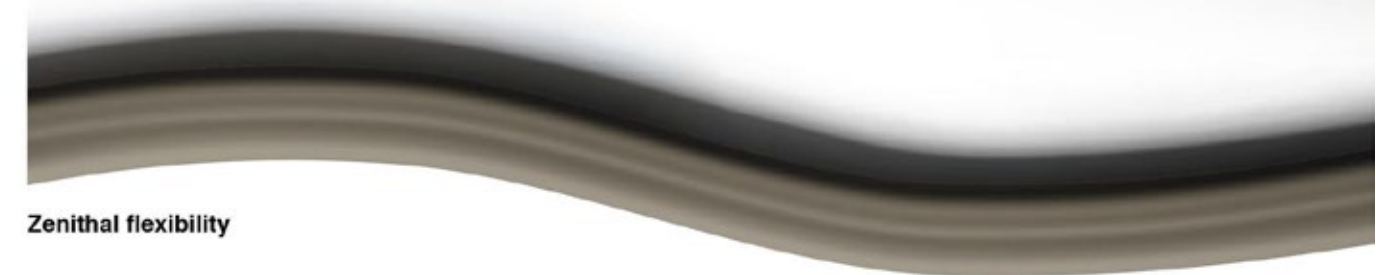
# MAXIMUM DESIGN FLEXIBILITY, EVEN IMPOSSIBLE ONES

PATENT PENDING



## Two-axis flexibility

D-WAVE is a system with the highest flexibility and adaptability available on the market. Its cross-section, studied in every detail, allows both zenithal and lateral bending, which allows D-WAVE to overcome any obstacle or embrace any path. The extruded profile, studied in every detail, can have an endless range of customisations thanks to its extreme ductility. The illumination of contemporary architecture, even the most complex and articulated, will always find its correct solution.



Zenithal flexibility



Lateral flexibility (can only be achieved with Rubber 3D)

**BORN FOR THE FUTURE:  
100% RECYCLABLE  
100% CUSTOMISABLE**

D-WAVE is a profile designed in every detail to meet all of the designer's needs. The material is 100% recyclable and the base is designed to accommodate the fastening systems provided: bracket and stake. Two anchoring methods that facilitate installation by adapting to the perimeter to be followed. Engraved on the base is the Recycle 3 logo, which allows the type of material to be recognised for proper recycling.



**90° bending radius in just 35.4"**  
Thanks to its great zenithal flexibility, D-WAVE allows to obtain wide continuous curvatures in the plane. Thanks to the material it is made of, the extruded profile can follow any type of curved perimeter, without interruptions in wiring or light falloff. By combining it with equally flexible and ductile light sources, perfect light continuity is optimised and preserved

**90° angle connection cuts**  
D-WAVE is available in 6.6 foot long modules. D-WAVE can be cut anywhere, even at 90° angles, thanks to the special angular joint, and it can be connected in perfect aesthetic and functional continuity. This solution offers two major advantages: work can be carried out with millimetric precision, without losing efficiency, and the brightness can be maintained constant along the entire perimeter

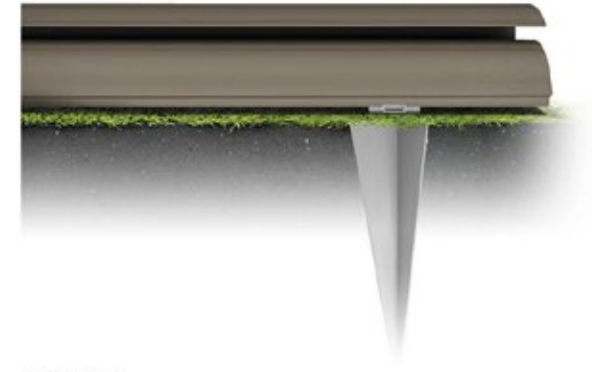
**Floor mounting**

Thanks to the quick-release steel bracket, D-WAVE can be mounted on any floor. Positioned at a 19.7" pitch, the bracket ensures firm and continuous anchoring over the entire length of the luminaire



**Ground mounting**

For this type of installation, a small steel stake has been provided, which is also adjustable and can be placed at a certain pitch, ensuring continuous and safe anchoring over the entire length of the perimeter

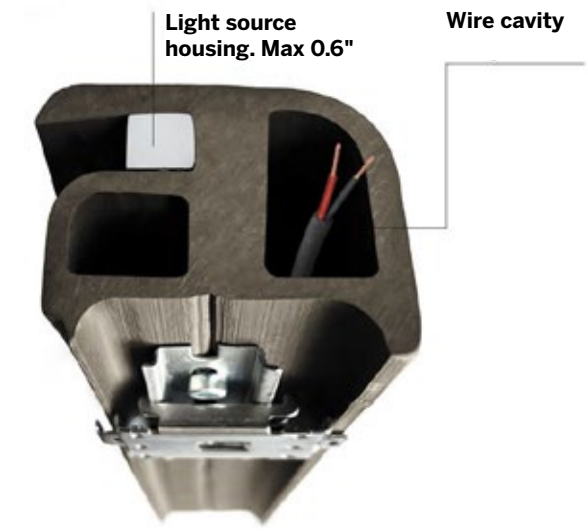


**Quick-release bracket**

We have designed a quick-release bracket system. This is ideal in case of maintenance, replacement or relocation of the luminaire. Thanks to the rear lever, the bracket is quickly released from the profile, leaving it free, thus facilitating the planned operations

**All-in-one**

D-WAVE is an all-in-one extruded profile that contains the light source in the front channel: Rubber 3D, all the wiring required for your project is protected in the rear channel. The duct passing under the light source is used to support the lighting profile inserted. All the technological components that make up the D-WAVE system are housed in a single profile



**Connecting element**

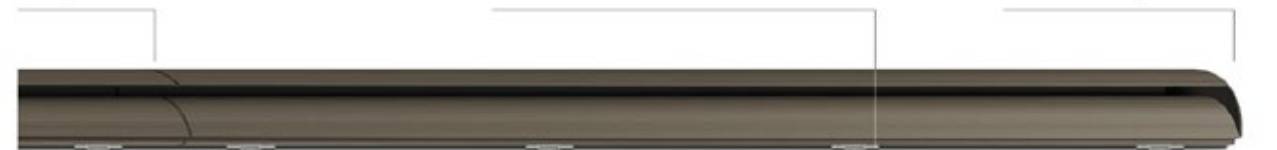
We have designed an invisible connecting element that contributes to the maximum aesthetic and functional continuity of D-WAVE. The intermediate joint, linear or angular, allows for the continuous passage of cables and light sources without interruptions or falloff

**Anchor brackets**

Positioned every 19.7", they ensure secure and stable installation on any floor or ground and with any zenithal or lateral curvature. The brackets guarantee completely safe installation in any location and in all surface conditions

**Closing element**

The end element that closes D-WAVE completes the marker light, making it perfectly unified and continuous along the entire length. An essential accessory from a functional and aesthetic point of view



78.7"



inter•lux

[inter-lux.com](http://inter-lux.com)