



Orus Innovative road lantern for low level mounting.

Efficient LED lamp fitted with the award-winning Flat Beam® technology to exceed safety standards at a low optimised mounting height of 0.9m  
Eliminates direct glare for driver comfort  
Flexible lighting control options, from simple dimming to an advanced central management system  
Durable and vandal resistant with an IK10/40 joules rating.

The optical system offers a very sharp and controlled light distribution while optimising the efficiency of the lamp. The use of ceramic metal halide lamps with small burners, between 35W and 70W, is the best choice in terms of light control, driver comfort and power consumption.  
Because Orus is a radical departure from standard luminaires, its characteristics are equally innovative:

- It projects light transversally to the road (up to 11m) in a single-sided arrangement
- The optimised mounting height is 0.9m to ensure that no direct light enters the vehicle
- Optimum spacing is between 8m and 15m

Where bat habitats and features are considered to be of lower importance or sensitivity to illumination, the need to provide lighting may outweigh the needs of bats. Consequently, a balance between a reduced lighting level appropriate to the ecological importance of each feature and species, and the lighting objectives for that area will need to be achieved.

The proposed use of specialist bollard or low-level downward directional luminaires provides sufficient lighting levels to guide pedestrians and vehicles through the development.

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| A                                                                                                                                                                                                                                                    | Scheme updated | 2024-10-17                |
| No.                                                                                                                                                                                                                                                  | Description    | Date                      |
| <div><br/><b>North East</b><br/>Architectural Services<br/>Clervaux Exchange, Clervaux Terrace, Jarrow NE32 5UP<br/>07455 980 354 admin@nearchitect.co.uk</div> |                |                           |
| Project      Bryntaff                                                                                                                                                                                                                                |                |                           |
| Address      Bryntaff                                                                                                                                                                                                                                |                |                           |
| Client      Andrew Lockley                                                                                                                                                                                                                           |                |                           |
| Sheet      LIGHTING                                                                                                                                                                                                                                  |                | Project No. 2020-03-1     |
| Date      2020-10-17                                                                                                                                                                                                                                 |                | Scale (@ A3)      1 : 500 |
| Drawing No.      A112                                                                                                                                                                                                                                |                | Rev      A                |