

# Low-energy metal halide



**Persius 35w uplight with 316 stainless steel top plate**



**Olympus 150w uplight with brass top plate & glare louvre**

**Persius and Olympus 240v recessed uplights** combine a cool top lens, long lamp life and energy efficiency, maintaining a typical top lens temperature of under 70°C - so they can be used even in walkover areas to uplight trees with an open canopy and branch structure from directly below. **Persius** is the smaller 35w uplight with medium 36° the larger **Olympus 70** and 150 watt models project a medium 36° for uplighting larger trees: **Olympus150** is also available with a 20 degree beam option for uplighting the tallest trees.

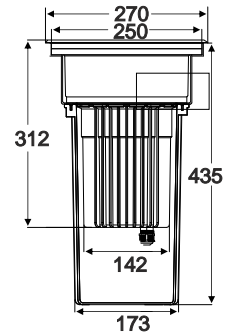
The lamp and reflector assembly is mounted on an adjustable cradle so the beam can be tilted up to 18° from vertical to achieve the desired effect. The dark grey non-reflective interior means less stray light to give away its position in the landscape. An upper compartment with a separate top lens is insulated by an inner second lens from heat generated in the lower compartment which houses the lamp and control gear. A polymer sleeve holds the cast aluminium body for recessing into the ground: an aluminium ring clamps the upper lens and gasket in place before fixing of the top plate, which is available in a choice of 316 stainless steel, sandblasted brass and black or green powder coat finish. An optional internal glare louvre fits in the reflector to limit visibility of the light source near traffic or pedestrian areas. Persius and Olympus recessed uplights are supplied pre-wired with a 2m cable for connection to the supply cable via a resin-sealed underground joint.

(Order G12 lamp separately - CDMT for warm white uplighting of green foliage trees; HQIT lamp for blue/grey foliage).

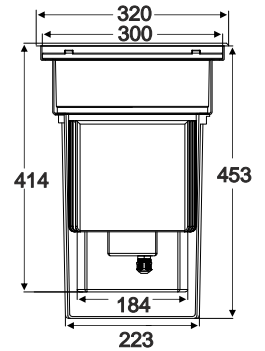
(Provide 300mm depth of shingle drainage below the uplight: do not use in waterlogged ground).

**240v MH 35w 70w 150w IP67**

**Energy rating A**



**Persius 35w**

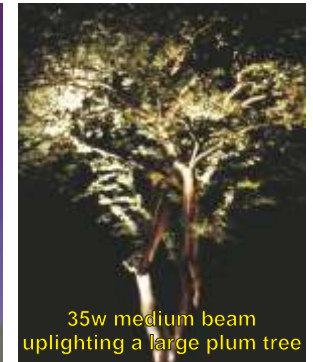
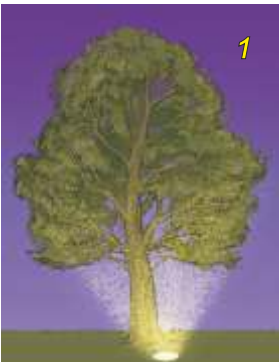


**Olympus 70w & 150w**

Lamp Power (Watts)	Beam angle (degrees)	Top plate finish				Optional Glare louvre	Lamp choice	
		Stainless steel 316	Black	Green	Brass		Warm white 3°K	White 4°K
35w	36	E95351S	E95353S	E95354S	E95356S	E9500L	CDMT35	HQIT35K4
70w	36	E96701S	E96703S	E96704S	E96706S	E9600L	CDMT70	HQIT70K4
150w	20	E961501N	E961503N	E961504N	E961506N	E9600L	CDMT150	HQIT150K4
150w	36	E961501S	E961503S	E961504S	E961506S	E9600L	CDMT150	HQIT150K4

## Tips for uplighting larger trees\*

- 1 If the shape of the tree "fits" within a 35-45° arc and has an open structure, use a single *Apollo*, *Persius* or *Olympus* with a 36 degree beam positioned 1 - 3m from the trunk
- 2 For a wider spreading open canopy, use one or more 60 degree beam angle *Apollo*, *Persius* or *Olympus* uplights 2 - 4m from the trunk for a fuller effect.
- 3 Where the outer canopy is dense and the inner structure is more open, light the trunk & inner branches with one narrower beam uplight and position one or more additional widebeam uplights to illuminate the outer canopy
- 4 When foliage is especially dense, e.g. chestnut trees, position uplights outside the canopy: "Graze" up conifers from close to the foliage to emphasise texture: use more high power lights for dark foliage, e.g. copper beech



\* Perception of brightness varies between individuals: advice is for general guidance and subject to branch & canopy structure and foliage density, colour and translucence. Look up through the tree you propose to light - if you can see up through the branches, then light will penetrate the canopy and structure as well. If not, use uplights to light the tree externally. Lighting large trees is a black art: test the position of uplights with a temporary wiring set-up before final installation.



# uplighting for larger trees

# Apollo

Two 150w narrow beam metal halide spotlights uplighting a tall cedar of lebanon



The **Apollo** range of 230v IP65 metal-halide spotlights offers 3 wattage ratings and circular beam angles primarily designed for uplighting trees. **Apollo** has a stirrup bracket for mounting on walls, a ground spike or an optional adjustable surface mount. The frame of the borosilicate lens has "through-flow" slots to allow water to drain off the lens even if pointed directly upward or fitted with a glare shield. **Apollo35** is a miniature 35w spotlight with medium 36° or wide 60° beam angle reflector for use with a GU8.5 metal halide capsule lamp. The larger **Apollo 70** and 150 watt models use a G12 single-ended metal halide lamp to project a medium 36° or wide 60° beam for uplighting larger trees: **Apollo150** is also available with a 20 degree beam option for uplighting the tallest trees. **Apollo** is constructed in cast aluminium powder-coated in a recessive dark grey finish: Ground spike, adjustable surface mount glare shield and internal glare louvre are optional accessories.

Mounting Accessories			
E9401	25cm Ground spike	E9402	Adjustable surface mount

## Energy rating

Product Code	Lamp Power (Watts)	Beam angle (degrees)	Optional Glare shield	Optional Glare louvre	Lamp choice	
					Warm white 3°K	White 4°K
E94035S	35	36	E94035G	E94035L	CDMTC35	HQITC35K4
E94035W	35	60	E94035G	E94035L	CDMTC35	HQITC35K4
E94070S	70	36	E94070G	E94070L	CDMT70	HQIT70K4
E94070W	70	60	E94070G	E94070L	CDMT70	HQIT70K4
E94150N	150	20	E94070G	E94070L	CDMT150	HQIT150K4
E94150S	150	36	E94070G	E94070L	CDMT150	HQIT150K4
E94150W	150	60	E94070G	E94070L	CDMT150	HQIT150K4

240v

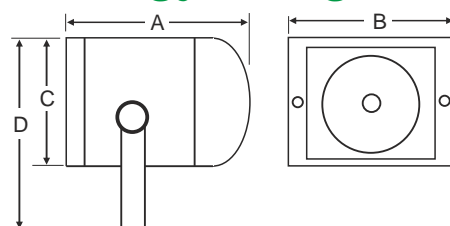
MH

35w

70w

150w

IP65



Dimensions	A	B	C	D
Apollo35	150	155	122	213
Apollo70	223	187	140	251
Apollo150	223	187	140	251

