

# TECHNICAL DATA SHEET

## S.3974 SLOT VELA DOUBLE

SIMES  
luce per l'architettura

### -PRODUCT TYPE

Post top luminaire .  
IP rating IP 65

### -MATERIAL CHARACTERISTICS

Aluminium die cast housing in EN AB-47100 and extruded EN AW-6060 with high resistance against corrosion.

The holder is made of steel for mechanical strength and resistance to heavy atmospheric stress.

The mirrors are affixed to an ultra-light plastic disk.

The combined weight of mirror and polycarbonate disk is only 15 kg.

Stone wash surface treatment prior to painting process.

A4 grade Stainless Steel screws with 2,5-3% molybdenum content which increases the resistance against corrosion.

Silicone gaskets.

Painting Process :

3 Step Process

1) Surface treatment with BONDERITE . A heavy metal free chemical surface treatment containing ceramic nano particles giving a cohesive, inorganic and highly dense protective coating .

2) PRE POLYMERIZATION a process of introducing an epoxy primer with excellent characteristics to the paint which also offers very high resistance to oxidation due to its Zinc content.

3) POLYMERIZATION a process with the application of polyester powder with high resistance against UV rays and harsh weather conditions. Improved protection for Marine applications.

Mechanical resistance of glass IK 09

### -LIGHTING PERFORMANCE

The optical system comprises :

1) Bidirectional reflector with street optic for direct downward illumination in 99.98% pure aluminium;

2) Asymmetric reflector for indirect upward illumination in 99.98% pure aluminium;

3) Diffuser with involute distribution for indirect light in white fibre glass.

The indirect light element creates a very pleasant light halo effect without any glare.

Clear toughened glass 8 mm thick.

LOR 44%

### -POLE CONNECTION

Pole head in painted aluminium with  $\varnothing$  120 mm connection.

### -WIRING

Single cable entry sealed with B component epoxy resin, wired internally protected by silicon sheaths.

Fast connector IP67 ( $\varnothing$  6÷12 mm) supplied as standard for single cable connection .

Isolation: CLASS II .

Available colours: ALUMINIUM GREY (cod.14).

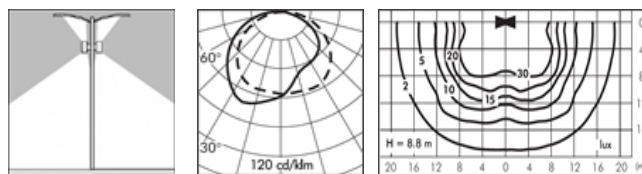
Weight: 110.74 Kg

Glow Wire test: --

Exposed windage area : 0,48 m<sup>2</sup> ( SLOT VELA SINGLE )

Exposed windage area : 0,93 m<sup>2</sup> ( SLOT VELA TWIN )

Lamp not included.

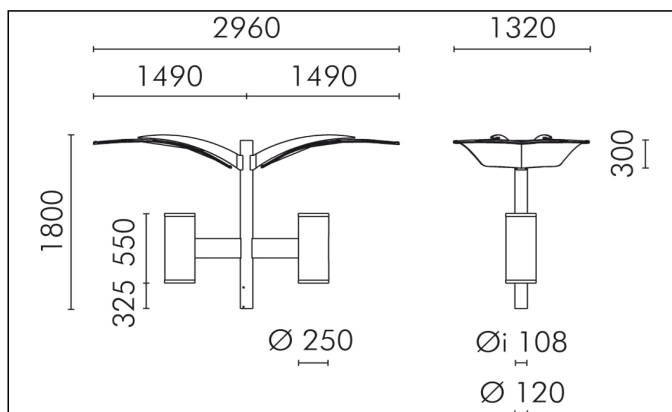


2x HIT-DE 150W <br> 2x HIT-DE 70W Rx7S 39500lm  
Magnetic transformer 230-240V 50Hz

IP 65

493 cd/klm

CE



LAST UPDATE 14/09/2010

SIMES S.p.A.  
Via G.Pastore 2/4  
25040 - Corte Franca - BRESCIA (ITALY)  
<http://www.simes.com> - e-mail: [simes@simes.com](mailto:simes@simes.com)

Tel:  
Export Sales: +39 0309860440  
Technical Dep.: +39 0309860450  
Lighting Design Dep.: +39 0309860425

Fax:  
Export Sales: +39 0309860449  
Technical Dep.: +39 0309860459  
Lighting Design Dep.: +39 0309860429



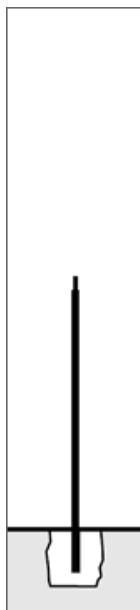
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## S.3974

### ACCESSORIES FOR SLOT VELA DOUBLE

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#### S.2836

##### Ø 120mm CYLINDRICAL POLE TO BE BURIED with Ø 108mm SPIGOT

Cylindrical shaped poles consisting of: straight circular section shaft, Ø 121mm, 3mm in thickness, total length 5,85m , single section built by using longitudinally welded tubes by induction welding (ERW) UNI EN 10219-2-ISO 4200

Suitable for ground recessed installation to a cement base 0,80m : Suggested reinforced concrete footstall dimension 1,1x1,1 h 1,1m. Footstall dimension can be calculated according to your country norms and ground properties.

The grade of steel used is S235JR (Fe360B) with material characteristics as per normative UNI EN 10025; The surface protection treatment is done through hot dip galvanization.

Painting Process : 3 Step Process

1) Surface treatment with BONDERITE. A heavy metal free chemical surface treatment containing ceramic nano particles giving a cohesive, inorganic and highly dense protective coating.

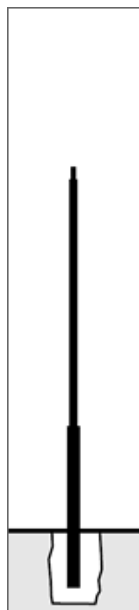
2) PRE POLYMERIZATION a process of introducing an epoxy primer with excellent bonding characteristics to the paint which also offers very high resistance to oxidation due to its Zinc content.

3) POLYMERIZATION a process with the application of polyester powder with high resistance against UV rays and harsh weather conditions. Improved protection for Marine applications.

Including inspection door, terminal cable block and fuse.

SLOT VELA INSTALLED ON S.2836 POLE:

Finished product total height = 6,60 m



#### S.2837

##### Ø 194mm ÷ Ø 120mm CYLINDRICAL SHAPED POLE TO BE BURIED with Ø 108mm SPIGOT

Cylindrical shaped poles consisting of: straight circular section shaft, Ø 194mm ÷ 102mm, 3mm in thickness, total length 8,25m , single section built by using longitudinally welded tubes by induction welding (ERW) UNI EN 10219-2-ISO 4200

Suitable for ground recessed installation to a cement base 1,00m : Suggested reinforced concrete footstall dimension 1,25x1,25 h 1,0m. Footstall dimension can be calculated according to your country norms and ground properties.

The grade of steel used is S235JR (Fe360B) with material characteristics as per normative UNI EN 10025; The surface protection treatment is done through hot dip galvanization.

Painting Process : 3 Step Process

1) Surface treatment with BONDERITE. A heavy metal free chemical surface treatment containing ceramic nano particles giving a cohesive, inorganic and highly dense protective coating.

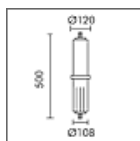
2) PRE POLYMERIZATION a process of introducing an epoxy primer with excellent bonding characteristics to the paint which also offers very high resistance to oxidation due to its Zinc content.

3) POLYMERIZATION a process with the application of polyester powder with high resistance against UV rays and harsh weather conditions. Improved protection for Marine applications.

Including inspection door, terminal cable block and fuse.

SLOT VELA INSTALLED ON S.2837 POLE:

Finished product total height = 8,60 m



#### S.2835

##### POLE CONNECTOR FOR Ø 120 mm POLE

(Required when you don't use SIMES poles).



#### S.2831.09

##### ACCESSORY AGAINST LIGHT POLLUTION

With this accessory the light emission above 90° is 0%

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Via G.Pastore 2/4  
25040 - Corte Franca - BRESCIA (ITALY)  
<http://www.simes.com> - e-mail: [simes@simes.com](mailto:simes@simes.com)

Tel:		Fax:	
Export Sales:	+39 0309860440	Export Sales:	+39 0309860449
Technical Dep.:	+39 0309860450	Technical Dep.:	+39 0309860459
Lighting Design Dep.:	+39 0309860425	Lighting Design Dep.:	+39 0309860429



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