DS-1000 LUMINAIRE

- **GENERAL DESCRIPTION**

The luminaire shall be weather resistant and enclosure (protection degree IP55), with and independent reflector from the housing. It shall operate with high-pressure sodium and metal halide up to 1000 watts. The luminaire shall be suitable for square section column mounting (option /B1 and /B2) or circular section (options /AT, /SP and /DP). Furthermore, the control gear shall be integrated into the luminaire. The photometric distribution shall be narrow spread (option /DE), medium spread (option /DI) or forward throw (option /FGA).

Ballast, housing, optical and luminaire assembly shall all belong to the same manufacturer to ensure a suitable quality.

- **MECHANICAL CONSTRUCTION**

The luminaire shall consist of a top housing with its sides and a bottom ballast door made of die-cast aluminium, all electrostatically sprayed and with a polyester powder paint finish and oven cured at 180ªC. The finishing shall fit the UNE 48024-80, 48059-82 and 48099-85 standards.

The luminaire opening shall be tool-less, through two latches placed in the front of the door. This door shall include in its back part two hinges for its ease folding. All pieces shall be made of stainless steel and corrosion–resistant. The hermeticity shall

be achieved through an ethylene propylene diene rubber (EPDM) gasket, placed over the housing perimeter.

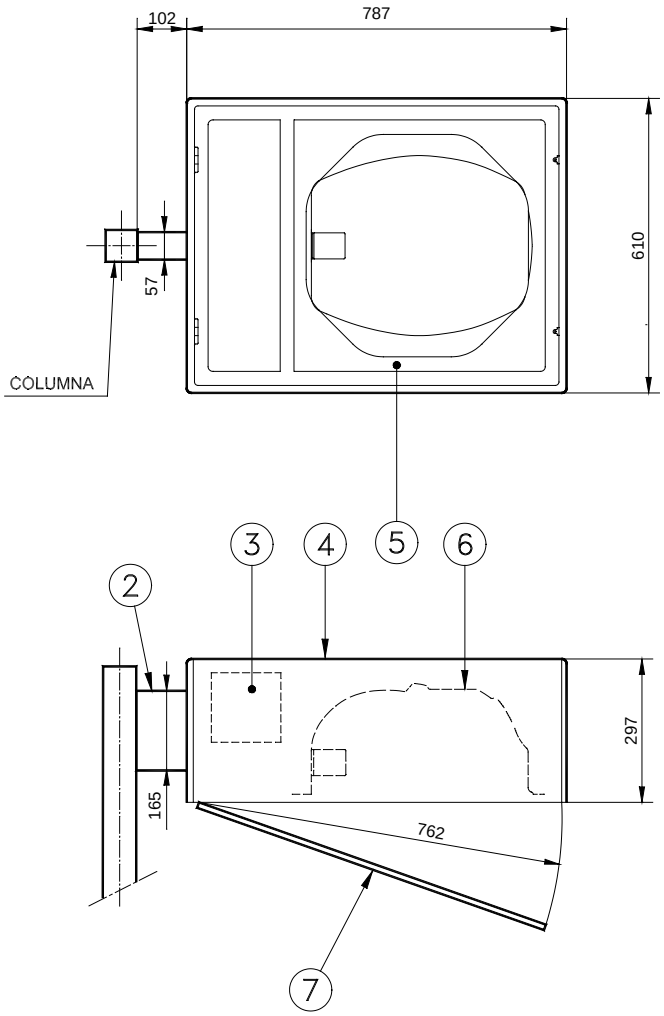
The luminaire shall provide one of the following assembly systems:

- DS-1000/B1: arm for square-shape column mounting. It is made of extruded aluminium and 102mm long. Standard version.
- DS-1000/B2: arm for square-shape column mounting. It is made of extruded aluminium and 305mm long.
- DS-1000/AT: horizontal tube assembly of 60mm external diameter.
- DS-1000/SP: vertical-tube assembly of 60mm external diameter (one luminaire).
- DS-1000/DP: vertical-tube assembly of 60mm external diameter (two luminaires).

- **OPTICAL ASSEMBLY**

The optical assembly shall be enclosure. It shall consist of an aluminium reflector and a flat tempered glass lens, thermal and mechanical shock resistant. The one-piece reflector shall be made of pure aluminium and hydroformed to ensure an accurate shape and uniform thickness. The reflector finishing shall be made by means of ALGLAS process, i.e., a thin unbreakable glass film covering (silica almost pure) using chemical processes, which provide high corrosion protection, durability and easy maintenance and cleaning. The reflector can be easily turned around the luminaire to achieve the same photometric distribution but turned 90º.

The optical assembly shall contain the reinforced lamp socket to place the lamp in horizontal position.



POSICION	DESCRIPCION	MATERIAL
7	PUERTA	FUNDICION INYECTADA DE ALUMINIO
6	REFLECTOR	ALUMINIO ACABADO ALGLAS
5	CIERRE	VIDRIO TEMPLADO
4	CARCASA	FUNDICION INYECTADA DE ALUMINIO
3	EQUIPO ELECTRICO	
2	BRAZO DE MONTAJE	ALUMINIO EXTRUSIONADO

		FECHA	FIRMA
PESO	1.996		
	DIBUJO	16-4	B.A.C.
	REVISO		
TIPO	APROBO	16-4	F.B.

GE Lighting Systems hadasa

ESCALA

DS-1000

HASTA 1000W.

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MODIFICACIONES