DS-400 LUMINAIRE

- **GENERAL DESCRIPTION**

The luminaire shall be weather resistant and enclosure (protection degree IP55 AND IP44 for the optical assembly), with and independent reflector from the housing. It shall operate with high-pressure sodium and metal halide up to 750 watts. The luminaire shall be suitable for square section column mounting or circular section (options /AT, /SP and /DP). Furthermore, the control gear shall be integrated into the luminaire. The photometric distribution shall be medium spread (option CAM), symmetrical (SYM), long throw (CAL) or forward throw (option /FGA).

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

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- **MECHANICAL CONSTRUCTION**

The luminaire shall consist of a top housing with its sides and a bottom ballast door made of die-cast aluminium. The standard mounting arm shall be made of extruded aluminium. All these pieces shall be electrostatically sprayed and with 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 two hinges in its back part 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 around the housing perimeter.

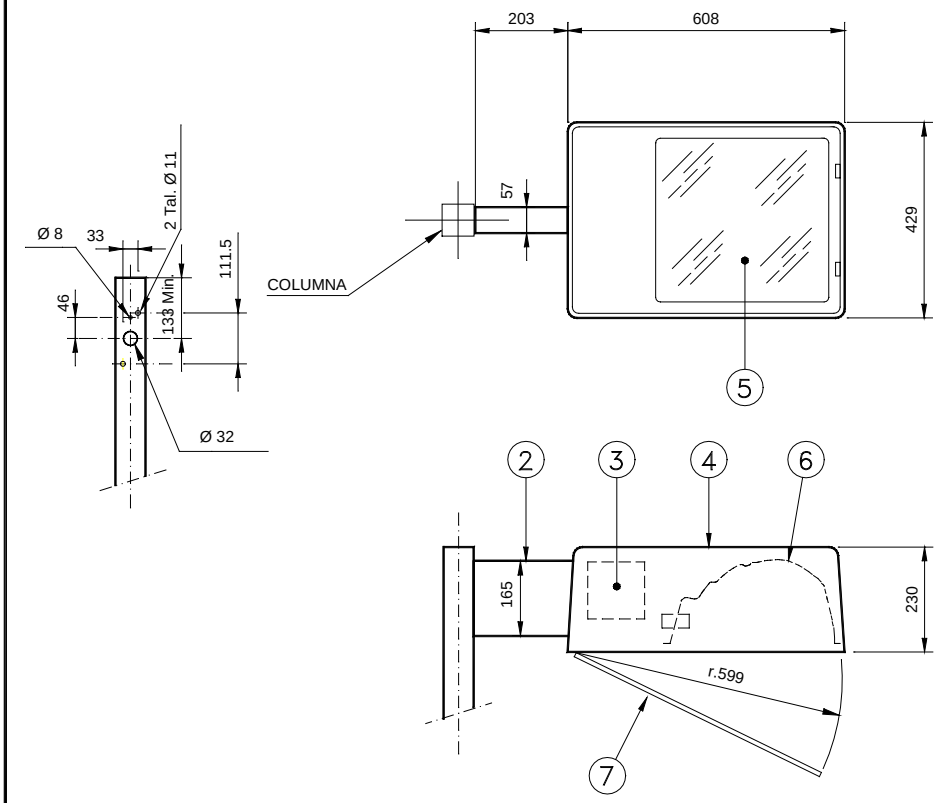
The luminaire shall provide one of the following assembly systems:

- Standard Mounting: arm for square-shape column mounting. It is made of extruded aluminium and 203mm long. Optionally, it shall include a ceiling-plate WMPBL-DS, compatible with this arm.
- DS-400/AT: horizontal tube assembly of 60mm external diameter.
- DS-400/SP: vertical tube assembly of 60mm external diameter (one luminaire).
- DS-400/DP: vertical tube assembly of 60mm external diameter (two luminaires at 180ª).

- **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.



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

PESO	1.991	FECHA	FIRMA
DIBUJO		7-11	F. M.
REVISO			
APROBO		7-11	A.M.R.

GE Lighting Systems hadasa

TIPO	ESCALA	DS-400 HASTA 750W.

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MODIFICACIONES