

The Micronex and Maxinex range provide the best lighting solution where the objective is to ensure the minimum number of floodlights, combined with a low profile and light weight design.

Like the 800 series, the compact construction offers low wind resistance which is advantageous for high mast design and the many mounting options and high level of IP protection ensures most floodlighting applications can be accommodated.

The asymmetric reflector design enables the light beam to be thrown forward for long distance lighting and concurrently assuring that the lighting below the pole or mounting location is also effectively lit without having to tilt the floodlight at high aiming angles.

The typical tilting angle of the floodlight can therefore be kept at 0° or to a maximum tilt angle of 20°. This allows a higher Utilization Factor for the floodlighting scheme to be achieved with reduced glare and light pollution, when compared to a conventional symmetrical floodlight.



## Standard Specification

## Features

Type of Protection	Ex nR (Restricted Breathing)	Lightweight
ATEX Classification	Group II Category 3 G	High corrosion resistance
Area Classification	Zone 2 areas to EN 60079-10 with installation to EN 60079-14	All stainless steel fasteners
Apparatus Standard Certificate	EN 50021 Maxinex: EC Type Examination Certificate BAS97ATEX4368 Micronex: EC Type Examination Certificate BAS98ATEX3054	Hinged front cover for easy access
Coding	⊕ II 3 G Ex nR II (refer to table for T rating and Ambient)	High efficiency asymmetric reflector design
Enclosure	Black epoxy painted aluminium body and frame with toughened glass window, silicone rubber gasket	Low windage of 0.08m <sup>2</sup> (Micronex) and 0.25m <sup>2</sup> (Maxinex)
Reflector Entry	Wide beam high purity anodised aluminium Maxinex: 2 x 20mm diameter holes Micronex: 1 x 20mm diameter holes	Choice of metal halide or high pressure sodium lamps
Termination	Maxinex: 3 core 6mm <sup>2</sup> max. conductor with looping Micronex: 3 core 6mm <sup>2</sup> max. conductor	Suitable for low temperature applications
Installation Control Gear	Stirrup mounting Internal copper/iron ballast with ignitor and PFC correction capacitor	GOST Approved
Relamping	Access via front glass cover assembly secured by stainless steel screws	CEPEL Approved (Maxinex only)
Lamp Type Lampholder	HPS or Metal Halide tubular Maxinex: E40, Micronex: Rx7s	
Burning Position	Universal	
Ingress Protection	IP66/67 to EN 60529	
Electrical Supply	220, 230, 240, 254V 50Hz	

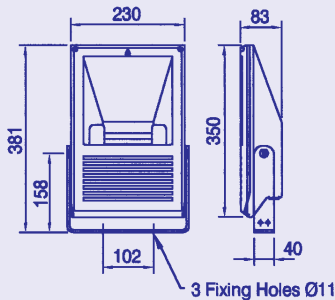
# ATEX CATEGORY 3 ZONE 2 & 22 APPLICATIONS

Std. Cat No.	Wattage	Lamp	Lampholder	T Class	Ambient °C	Weight
MICN/070/MS	70W	Double Ended HPS/Metal Halide	Rx7s	T3	40	5.0kg
MAXN/150/MS	150W	HPS/Metal Halide	E40	T4	55	16kg
MAXN/250/MS	250W	HPS/Metal Halide	E40	T3	55	17kg
MAXN/400/MS	400W	HPS/Metal Halide	E40	T3	45 (HPS)	18.5kg
				T3	30 (MH)	

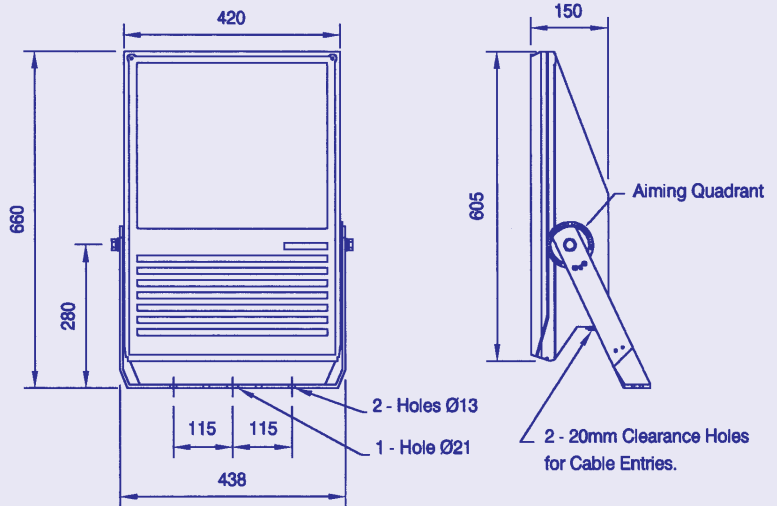
## Options - Suffix to Catalogue No.

/60	60Hz
/D	Zone 2 and 22 Dust applications (Maxinex only)
/TI	Timed ignitor (Maxinex only)

### MICRONEX



### MAXINEX



## Applications

### Micronex

- Zone 2 hazardous areas
- Directional control lighting at low mounting heights
- Perimeter lighting • Loading areas
- Sewage treatment plants • Security lighting
- Gas pumping stations • Distilleries

### Maxinex

- Zone 2 hazardous areas
- Low temperature environments
- Petrochemical plants • Tank farms
- Drum storage areas • Gas pumping stations
- Perimeter lighting • Distilleries
- Security lighting

### Accessories (Should be ordered separately)

### Catalogue Order Code

Pole mounting bracket - Micronex

SMIC1-0001

Pole mounting bracket - Maxinex

SMAX4-0001

Product design and specifications are subject to change without notice, please check the Chalmit website for latest specifications.



Electrical Products

Rev 03 - Dec 07