

N50 HID



ZONE 2, ZONE 21, 22 HAZARDOUS AREAS



Permit No.
2061/3631



SANS/IEC 60079-15

Permit No.
2061/3630



SANS/IEC 61241-1-1

This luminaire range has a deep drawn stainless steel body, single piece pressed frame and stainless steel clips.

The 4 mm thick lens is clear armour plate glass.

Explosion Protection

N50 HID/Ex n Ex nA IIC T3

N50 HID/Ex tD Ex tD A21, 22 Ta T3

Ingress Protection: IP65

N50 HID

| | | | | |
|---|--|---|--|--|
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|---|--|---|--|--|

Body: A single piece deep drawn 304 stainless steel body with 20 mm threaded boss.

Clips: Double acting stainless spring steel clips. **Lens:** 4 mm thick clear tempered plate glass, held in a heat resistant silicone one piece gasket **Lens Frame:** Pressed as a single piece of sheet without joining welds and extra wide ends for increased rigidity.

Gasket: One piece silicone gasket with extra wide foot print for better sealing area.

Frame Suspension: The lens frame is suspended from two points on one side of the body and frame, to allow the frame to swing open during lamp changing.

Cable Entry: 20 mm threaded entry provided as a boss welded into the body for positive sealing.

Supplied with No. 0 Engiroglan for SWA cable. Single entry.

Fixing: 8 mm nut welded into the rear mounting brackets, allow for either bracket of pole clamps.

Control Gear: Mounted on a gear tray, comprising the 150 W HPS choke, Power Factor correction capacitor and ignitor with thermal cutout which protects the choke, and prevents the possibility of sparking during lamp change. **Lamp Holder:** E40 designed to prevent sparking on the high voltage contact and with antivibration spring.

Reflector: Hammered polished aluminium, designed for maximum efficiency.

Stainless Steel: Grade 304.

Note: N50 luminaires are available with single and double HID lamps.

For temperature classifications, refer to Table 1 in the Technical Section of the catalogue.



| Catalogue Number | Dimensions (mm) | | | | No of Lamps | No Clips | Line Current | | Circuit Power (W) | Mass (kg) |
|-------------------------------------|-----------------|-----|-----|------|-------------|----------|--------------|-------------|-------------------|-----------|
| | L | W | H | FC | | | Starting (A) | Running (A) | | |
| Zone 2 | | | | | | | | | | |
| N50 1x150 W HPS/Ex n | 790 | 219 | 135 | 490 | 1 | 6 | 1.3 | 0.88 | 180 W | 7.0 |
| N50 2x150 W HPS/Ex n | 1372 | 219 | 135 | 1100 | 2 | 8 | 2.6 | 1.76 | 360 W | 14.6 |
| Catalogue Number Zone 21, 22 | | | | | | | | | | |
| N50 1x150 W HPS/Ex tD | 790 | 219 | 135 | 490 | 1 | 6 | 1.3 | 0.88 | 180 W | 7.0 |
| N50 2x150 W HPS/Ex tD | 1372 | 219 | 135 | 1100 | 2 | 8 | 2.6 | 1.76 | 360 W | 14.6 |