



**3 - lamp PAPI**  
**IDM 5196**



### Specification

- ICAO Annex 14 Volume I 4th ed. July 2004 chapters 5.3.5.23 - 5.3.5.45.

### Application

- Sharp transition device for PAPI systems.

### Mechanical construction

- Dusttight fibreglass reinforced plastic housing IP 6X equipped with dust filter.
- Chassis made of anodized aluminium and stainless steel.
- Floating optical assembly - insensitive for stresses on housing.
- Horizontally and vertically adjustable legs.
- 2 breakable couplings in each leg.
- A tilted, hardened front glass for lens protection.
- Optionally equipped with 50 W heater.

### Optical construction

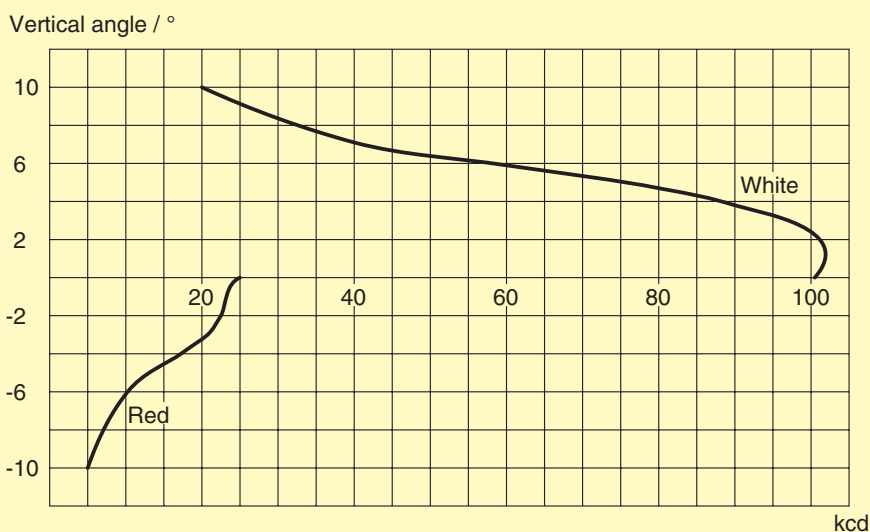
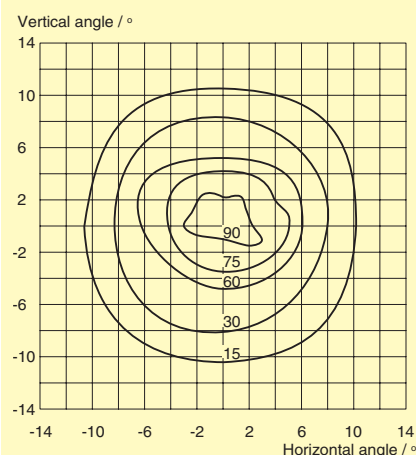
- Preadjusted 3-lamp optical assembly.
- Anodized aluminium reflectors.
- Red colour filters.
- Precision-grinded lenses.
- Lamps and reflectors replaceable without recalibration.
- 3 x 200 W / 6,6 A prefocused halogen lamps, Pk30d base.
- Average lifetime 1000 hours at rated current.

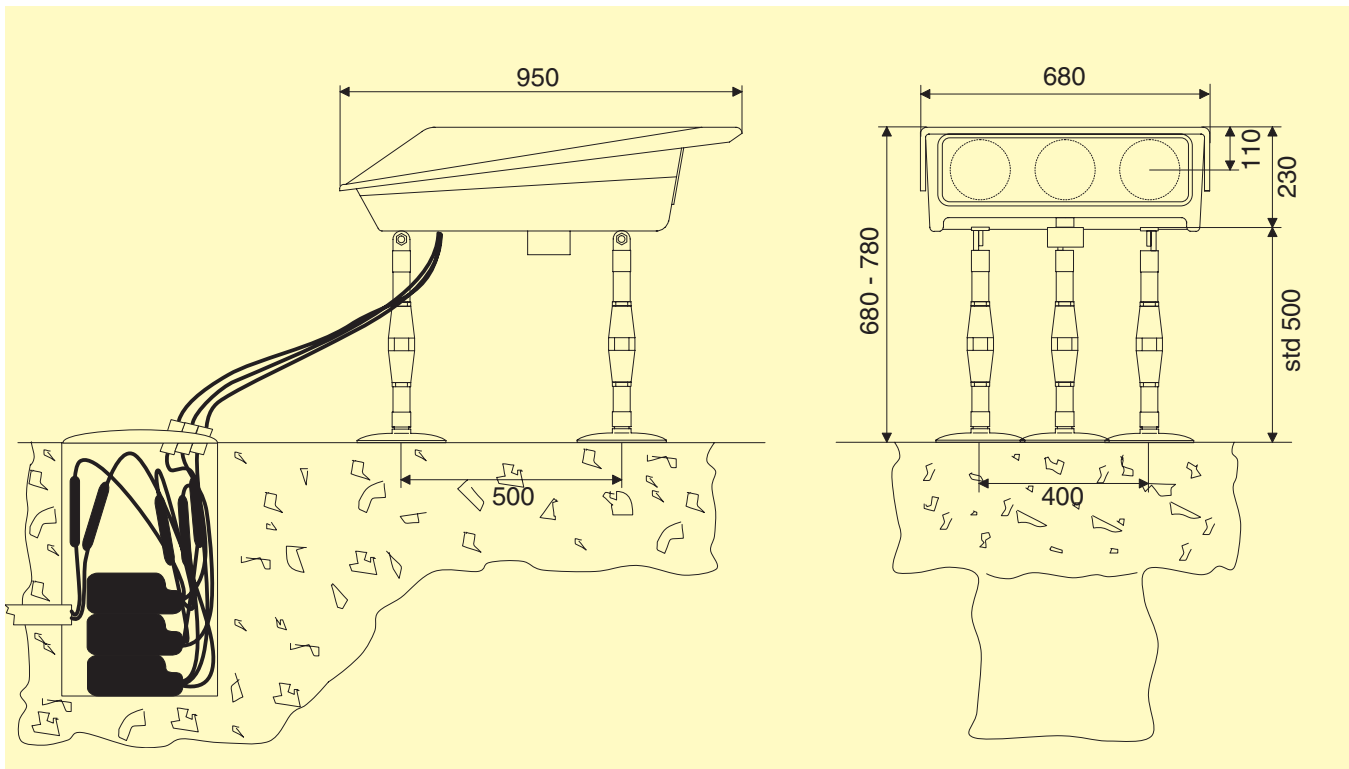
### Advantages

- Floating optical chassis - very stable optical performance.
- Accurate transition sector - 2,5 minutes of arc.
- Housing meets the highest standard in dust tightness.
- Two breakable couplings in each leg and light weight - minimized risk of aircraft damage.

### Intensity distribution

**3 x 200 W,  
without red filters**





## Installation

- See general description to specify the locations and installation tolerances.
- When determining the foundation dimensioning, soil quality, frost depth etc. must be taken into account.
- In case of ground vertical slopes the lower leg tubes can be delivered longer and cut to correct length on site.
- 3 flexible cables 2x2,5 mm<sup>2</sup>, 1,5 m, with KD 501 plugs connected to 6,6A series circuit via 200 W isolating transformers.
- Transformers located in transformer case IDM 5448/500 mm equipped with case plate IDM 5841 with 3 cable glands.

## Accessories

- Transformer case IDM 5448/500.
- Case plate IDM 5841 with 3 cable glands.
- 50 W heater.

## Alignment

- Alignment by using angle wedges attached to optical chassis and a precision spirit level.
- Rough alignment by adjusting the support legs.
- Fine adjustment by using two interlocking screws inside the housing .

## Special tools

- Precision spirit level and angle wedges.
- Key for housing.
- Wrenches for legs, openings 48 mm and 52 mm.

## Packing

<b>Dimensions</b>	1100 x 750 x 500 mm
<b>Weight</b>	27 kg net

## Ordering information

IDM 5196 is supplied complete with

- 3x200 W lamps.
- 3x1,5 m long cables with KD 501 plugs.
- 3 adjustable legs with base plates.
- Dust filter.

On request

- 50 W heater with thermostat (supply voltage 220 V, 4 units in series or 24 V for each unit).
- Longer legs.
- Longer secondary cables.