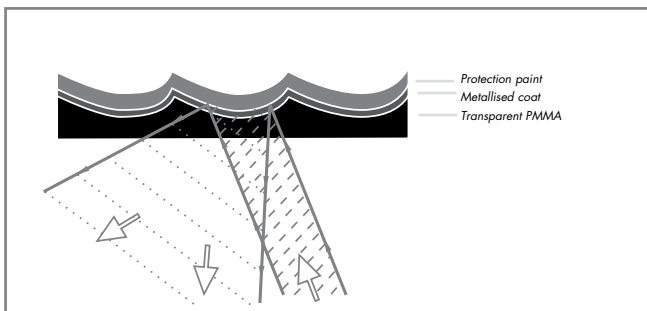


HIT-CE (MT)	G12	70-150W
AS/NZS 60598	Class I Electrical	
5 Nm Impact resistant		
IP65 - optical compartment and gear tray		
IP54 - gear tray compartment		

A range providing genuine 100% indirect lighting, outstanding visual appeal, and precision light control

Design: Designit

- Addresses outdoor indirect lighting issues, providing an increased downward light output ratio, whilst reducing light pollution
- Two new technologies developed (patents pending) - a 'rectangular light' projector and the Mosaïque® reflector
- Precision optical system gives very low glare rating



### Optical Principle

Primary source:

The projector, which contains a ceramic metal halide lamp (choice of 3000K or 4200K), generates light and directs this 'rectangular beam' onto the reflector. A control ring precisely shapes the beam to ensure maximum light capture by the reflector. The projector's precision reflector optic ensures maximum output.

Secondary Optic:

A top plate with reflector captures the light emitted from the projector and reflects it to the ground. There is a choice of three reflectors: Mosaïque® types 1 and 2 or plain white. The innovative Mosaïque® reflectors improve the performance of indirect lighting. Each comprises of 24 tiles, configured together in two

arrangements: type 1 which throws more light towards the longitudinal direction and type 2 which throws light towards the transverse direction. Each tile comprises of nine cells and has three layers: a coat of protection paint, a metallised coat and a transparent PMMA skin to protect it and offer a wipe clean surface.

The result is 97% containment of light on the top plate giving better efficiency and ultra-low light pollution, whilst maintaining outstanding visual comfort. The DLOR is around 50% and a typical scheme has a threshold increment (TI) lower than 4%. The reflectors combine with different arm configurations and tilt angles to produce various light distributions, therefore suitable for many street and amenity applications.



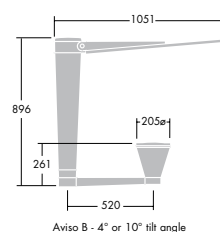
Aviso B with Mosaïque reflector

### Luminaire

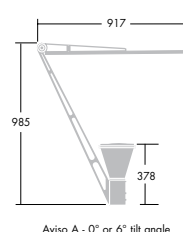
The projector and tiltable top plate are connected by the luminaire body/arm. There is a choice of two arm shapes with a further selection of dedicated columns (recommended 3.2m and 5.2m high). The Aviso A arm is post top mounted and the Aviso B is bracket mounted with a blue downlight beam feature for decorative effect. The electronic gear is column based and connects via a plug and socket to the projector.



Aviso A with white reflector



Aviso B - 4° or 10° tilt angle



Aviso A - 0° or 6° tilt angle

### Materials/Finish

White reflector: pressed sheet aluminium, coated with white high reflectance polyester paint.  
 Mosaïque® reflector: pressed sheet aluminium, metallised reflector protected by transparent PMMA. Projector: Inside: anodised spun and pressed aluminium reflector.  
 Outside: die-cast aluminium, textured sandy grey 150 (Akzonobel) powder coat.  
 Projector closure: tempered glass (for use with white reflector) or anti-glare treated flat glass (for use with Mosaïque® reflector).  
 Aviso B. Luminaire body: die-cast aluminium, textured sandy grey 150 (Akzonobel) powder coat.  
 Aviso A arm: hardened die-cast aluminium.

### Installation/Mounting

Lantern recommended mounting height 4 to 6 meters.  
 Post-top lantern: Suitable for Ø60mm x 100 mm long spigot.  
 Control gear unit: mounts in column, supplied c/w plug to connect with projector. Supplied with lamp.  
 Column: Flange or root mounting. 271 mm flange fixed via four fixing bolts (JT 16/14 x 300) at 200 mm centres. Bolts not supplied.

### Specification

To specify lantern state:  
 Die-cast aluminium indirect lantern for post top mounting with powder coated sandy grey 150 (Akonobel) finish. Aluminium top plate with white or metallised Mosaïque® reflector protected by transparent PMMA. Projector with a ring shielding unnecessary light and an anodised, aluminium reflector, with output such that 97% is contained by top reflector plate, to minimise light pollution. Optical compartment and gear tray, IP65; gear tray compartment, IP54. 5 Nm. 100% indirect lighting, employing 70W/150W HIT-CE lamp.  
 As Thorn Aviso.

To specify column state:  
 Ø102mm 3.2m/5.2m galvanised steel column, powder coated sandy grey 900 (Akzonobel) finish. Supplied for root or flange mounting.  
 As Thorn Aviso.



**Ordering Guide** For complete unit order gear tray, arm, reflector and column. Gear trays are supplied complete with lamp.

Description	Icos Code	Socket	Wt (kg)	Cat. No.	SAP Code
<b>Sealed gear tray</b>					
AVISO HIT-CE 70W 4200K	MT	G12	1.1	AVISOGT704200K	96012032
AVISO HIT-CE 150W 4200K	MT	G12	1.4	AVISOGT1504200K	96012033
AVISO HIT-CE 70W 3000K	MT	G12	1.1	AVISOGT703000K	96012165
AVISO HIT-CE 150W 3000K	MT	G12	1.4	AVISOGT1503000K	96012166
<b>Arm with projector unit</b>					
AVISO TYPE B ARM			13	AVISOBARM	96012034
AVISO TYPE A ARM			10	AVISOAARM	96012035
<b>Top reflector</b>					
REFLECTOR, WHITE			10	AVISOREFW	96012036
REFLECTOR, WITH MOSAIQUE® TYPE 1			13.5	AVISOREFM1	96012037
REFLECTOR, WITH MOSAIQUE® TYPE 2			13.5	AVISOREFM2	96012038
<b>Dedicated columns</b>					
3.2M FLANGE PLATE MOUNTING			52	AVISOCOL3F	96012039
3.2M ROOT MOUNTING			65	AVISOCOL3R	96012040
5.2M FLANGE PLATE MOUNTING			85	AVISOCOL5F	96012041
5.2M ROOT MOUNTING			98	AVISOCOL5R	96012042

Wall mounting (for Aviso B only) available on request.

