

Metis 2816

IP 66

IK 09

Class I
(Fire resistance)



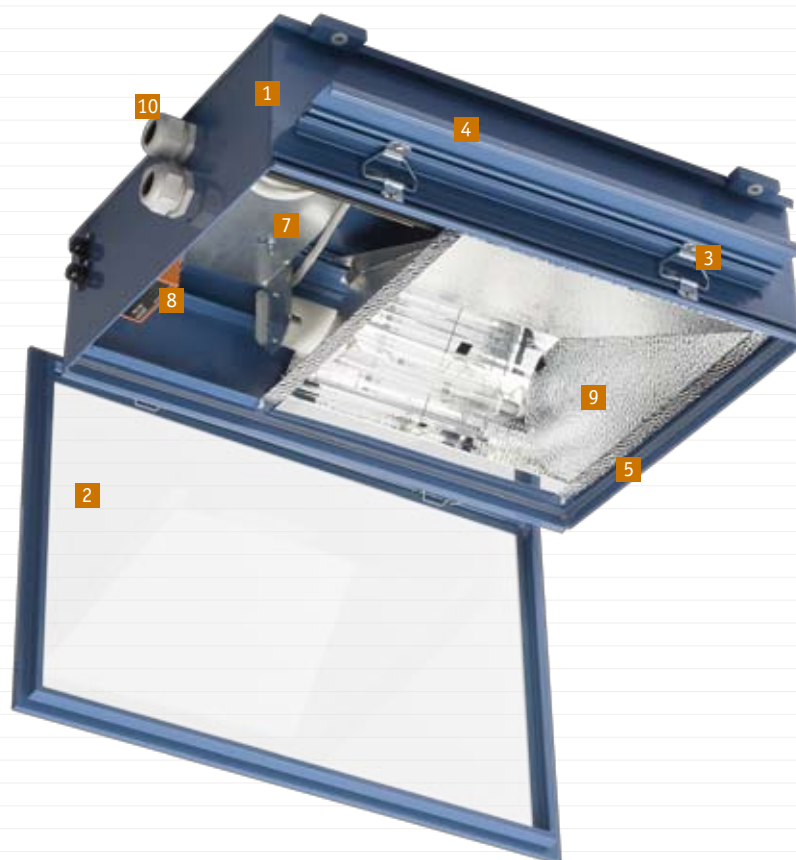
The Metis 2816 luminaire is a proven guarantee for reliable, effective tunnel lighting. From short underpasses to major motorway tunnels, the adaptability of the Metis 2816 results in a practical solution every time. Formed from aluminium extrusion, the luminaire has an excellent optical performance from its 3D pot optic, helping to reduce unit quantities and lending itself to cost effective solutions.

Applications

Consult pages 16-19

Lamps

High pressure sodium
up to 400W



1 Housing made of 2.5mm extruded aluminium EN573-3, AlMg Si 0.5. Fully compliant construction – designed and built to EN 60598. Extensive corrosion protection system. Impact Resistance IK 09 – EN 50102 (housing and glass). Fire Resistance Class 1 – NEN 6065.

2 Cover made of thermally toughened glass (DIN 12150) in an extruded/welded aluminium frame.

3 Closing clips/hinge aluminium extruded closing latch, zinc-coated stainless steel hinges, 1.4310 (DIN 17224).

4 Finish made of high quality pre-treatment and polyester powder coated, standard colour RAL 5007, 65 µm minimum.

5 Gasket made of silicone. Robust sealing technique provides assured IP 66 protection.

6 Filter pressure equalising (IP 66).

7 Gear tray thermally galvanised steel plate with keyhole slot fixings.

8 Gear
High pressure sodium:
conventional ballast thermal cut-out, compensated (cos phi > 0.85).
Ambient temperature for standard gear is -25°C to 40°C.

9 Optics have excellent performance with high anodised aluminium reflector plate for symmetrical and asymmetrical optics. Suitable for both symmetrical and asymmetrical style installations.

10 Cable entry polyamide gland M20, suitable for cable 10-14mm.
Cable connection
High pressure sodium:
3-5 x 16mm² terminal block.

11 Mounting four aluminium extruded clamps (AlMg Si 0.5) for M8 bolt. Total isolation from support structure eliminates corrosion caused by dissimilar metals.

12 Longitudinal closing system provides even pressure along length of luminaire.



Stainless steel clip.



Filter.



Key hole slot fixing.



Clamps.



Closing system.

Metis 2816

CHARACTERISTICS

Mounting

Universal mounting along full length of luminaire with front access. Simple support with luminaire fixed from the front using the supplied clamps. The clamping system allows movement in two axis for accurate positioning.



Luminaire mounting.



Also available with flange mounting for suspension on rods.



Standard mounting on C-profile.

Maintenance

Fast opening and closing system with two latches running the length of the luminaire for tool-free access and life-time sealing.



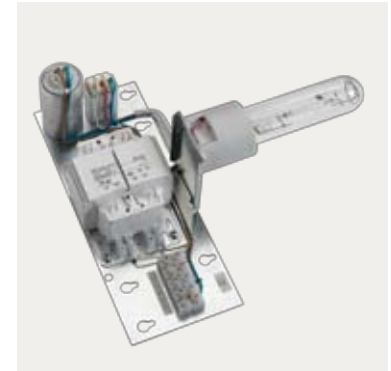
Open latches.



Lower cover.



Hinge open.



Gear tray with lamp holder module, for easy and fast replacement.

Optics

All optics can be rotated four times 90° within the luminaire body in accordance to the project design.



Metis 2816 Symmetrical.

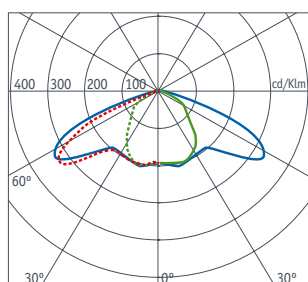


Metis 2816 Asymmetrical.



Metis 2816 Symmetrical (2 lamps).

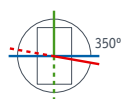
Metis 2816



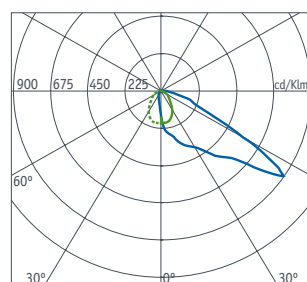
Reflector
SNN

Lamp
ST-400

Performance
ULOR: 0%
DLOR: 71%



Metis 2816



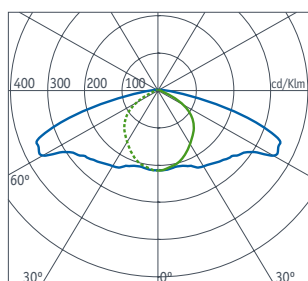
Reflector
ANN

Lamp
ST-400

Performance
ULOR: 0%
DLOR: 72%



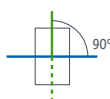
Metis 2816



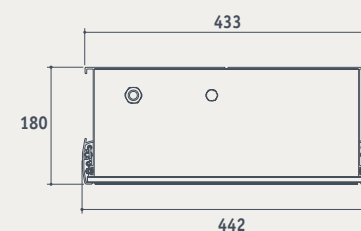
Reflector
BNN

Lamp
2ST-150

Performance
ULOR: 0%
DLOR: 75%



Metis 2816



MODEL	TYPE	SHAPE	LAMP HOLDER	REFLECTOR			LENGTH	Kg
				SNN	ANN	BNN		
Metis 2816	ST-70		E27	•	•		618	12
	ST-100		E40	•	•			13
	ST-150		E40	•	•			13
	ST-250		E40	•	•			14
	ST-400		E40	•	•			15
	2ST-70		E27			•		13
	2ST-100		E40			•		14
	2ST-150		E40			•		15

ST (High pressure sodium)

Kg (Weight)

For more information about lamps, consult pages 386-389.

OPTIONS

- Alternative cable entry positions & quantity
- Flying lead cable(s) pre-assembled
- Lamps supplied installed
- Other lamps on request (e.g. white light)
- Electronic HID gear
- Other RAL colours on request
- Other optics available (VNN/ZNN/QNN/RNN)
- Prepared to accept i-Tunnel® Lighting Control System
- Alternative reflector-lamp orientation setting
- Luminaire finish according to protection class M4A = 80 μm, C5M = 100 μm
- Inclusion of double pole cover switch