

Vectra

IP 66
(CBT)
(Optical
compartment)

IP 54
(Gear
compartment)

IK 08

Class I

Class II 



The Vectra range of three sizes offers very effective road lighting solutions, suitable for motorways up to residential side roads. The 3D faceted optics serve a wide range of lamps and their distribution can easily be adapted to specific circumstances by the adjustable reflector, lamp holder and tilt angle. Tool-less access to lamp and gear make Vectra a real maintenance friendly concept.

Applications

Consult pages 16-19

Lamps

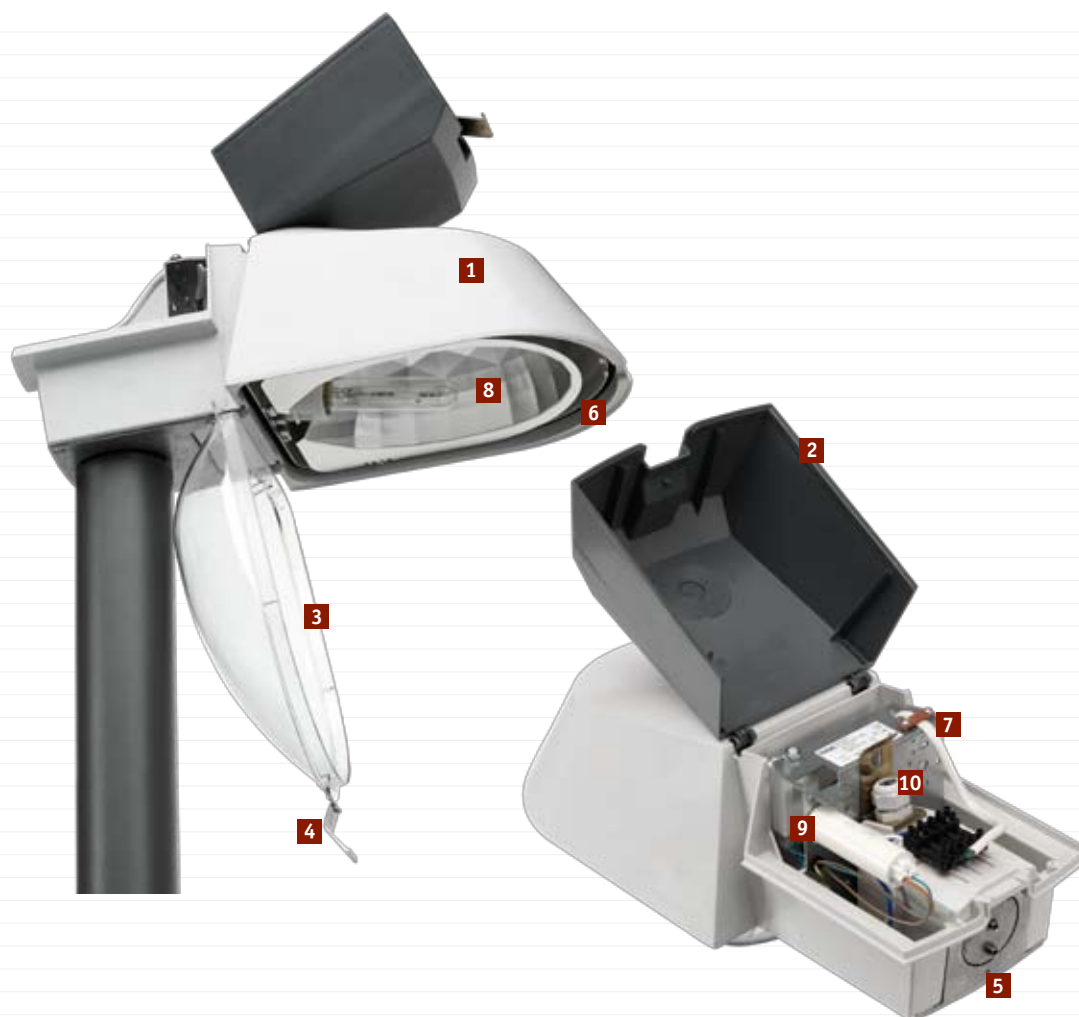
High pressure sodium
up to 400W

Ceramic metal halide
up to 150W

Quartz metal halide
up to 400W

Compact fluorescent
up to 57W

Fluorescent induction
up to 165W



- 1 **Housing** strong glass fibre reinforced polyester, RAL 7035 (unpainted).
- 2 **Canopy** gear compartment high impact and UV-resistant ASA*, RAL 7037 (unpainted).
- 3 **Bowl** impact resistant UV stabilized clear polycarbonate, with integrated hinge elements. Curved and flat glass versions with toughened clear glass within die-cast (LM6 quality) aluminium frame, to match required distribution and glare control.
- 4 **Opening/closing** optical and gear compartment by stainless steel clip (tool-less).
- 5 **Spigot** die-cast (LM6 quality) aluminium, unpainted; for post top \varnothing 60-76mm and side entry \varnothing 32-60mm. Column mounting with two stainless steel M10 bolts.
- 6 **Gasket** between housing and bowl seals optical compartment to IP 66. Controlled Breathing Technology (CBT), through IP 54 gear compartment, prevents build up of condensation.
- 7 **Gear tray** corrosion resistant steel plate, removable without tools by use of plug and socket connection and stainless steel clip.
- 8 **Optics** faceted 3D symmetrical reflectors of anodised high purity aluminium, optimised for three wattage ranges: Vectra-2650S, Vectra-2651S, Vectra-2652S. Reflectors horizontally and lamp positions vertically adjustable. Standard lantern tilt 5° post top and 0° side entry, -5° adjustable through tilt adapter. Asymmetrical optics for pedestrian crossings available in Left Hand Drive (LHD) and Right Hand Drive (RHD): Vectra-2651A and Vectra-2652A.
- 9 **Gear**
 High pressure sodium: conventional, power factor corrected (PFC), 50/70W dual ballast possible.
 Ceramic metal halide: conventional, timed ignitor, power factor corrected (PFC) or electronic (G12 and PGZ12).
 Quartz metal halide: conventional, power factor corrected (PFC) or electronic (G12).
 Compact fluorescent and fluorescent induction: standard electronic.
- 10 **Cable connection** PG 16 gland, cable entry 7-14mm, with strain relief and protective cable guidance.



Vectra 2650/51/52
Polycarbonate Bowl



Vectra 2660/61/62
Flat Glass



Vectra 2670/71/72
Curved Glass

* ASA stands for Acrylonitrile Styrene Acrylate, which is a copolymer.

Easy lamp replacement and maintenance

To open the optical compartment, no tools are needed. By undoing the stainless steel clip at the frontside of the lantern, the bowl hinges towards the column and there is direct access to the lamp.

The gear compartment is easily accessible by use of the stainless steel clip at the backside of the lantern. On opening, the canopy hinges upwards and the gear tray is removable without tools, by use of the plug and socket connection and a stainless steel clip.



Stainless steel clip optical compartment.



Easy lamp replacement.



Stainless steel clip gear compartment.



Plug and socket connection.



Tool-less maintenance.

Optical flexibility

The 3D Vectra-S reflectors give a superb basic performance. The bowl, curved glass and flat glass versions can be selected to fulfill overall distribution and glare control demands. In order to match specific road geometries and requirements:

- the reflector can be adjusted horizontally
- the lamp position can be adjusted by moving the lamp holder vertically

If needed in addition the standard tilt settings of 5° post top and 0° side entry can be adjusted -5°:

- Side entry: by taking out standard tilt adapter
- Post top (polycarbonate bowl): by taking out standard tilt adapter
- Post top (flat & curved glass): by replacing standard adapter by special tilt adapter as supplied with lantern

For pedestrian crossings special asymmetric optics are available.

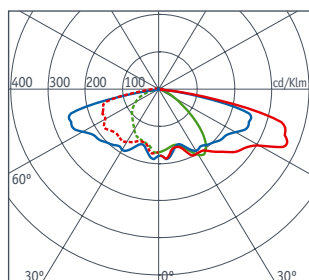


Adjustable reflector.



Vectra-A pedestrian crossing optic.

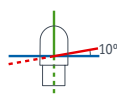
Vectra 2650



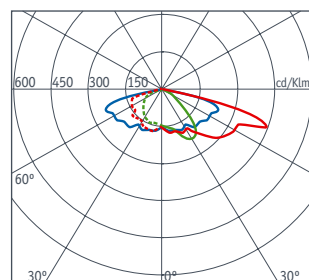
Reflector
Vectra-2650S

Lamp
ST-70

Performance
ULOR: 1%
DLOR: 83%



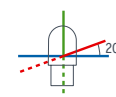
Vectra 2661



Reflector
Vectra-2651S

Lamp
ST-150

Performance
ULOR: 0%
DLOR: 84%



MODEL	TYPE	SHAPE	LAMP HOLDER	REFLECTOR			BOWL ⁽¹⁾			W.a. (m ²)	Kg
				2650S	2650A ⁽²⁾	PC	CG	FG			
Vectra 2650/60/70	ST-50/70		E27	•	•	•	•	•	0.09	5.5	
	MT-50		E27	•	•	•	•	•			
	MT-70		E27	•	•	•	•	•			
	MT-35		G12	•	•	•	•	•			
	MT-45		PGZ12	•	•	•	•	•			
	MT-60		PGZ12	•	•	•	•	•			
	MT-70		G12	•	•	•	•	•			
	MT-90		PGZ12	•	•	•	•	•			
	MT-140		PGZ12	•	•	•	•	•			
	MT-150		G12	•	•	•	•	•			
	FSM-26/32/42		GX24q-3/4	•	•	•	•	•			
	FSM-57		GX24q-5	•	•	•	•	•			
	FSG-55		Twist Base	•	•	•	•	•			
FSG-85		Twist Base	•	•	•	•	•				
Vectra 2651/61/71	ST-100		E40	•	•	•	•	•	0.12	8.5	
	ST-150		E40	•	•	•	•	•			
	MT-100		E40	•	•	•	•	•			
	MT-150		E40	•	•	•	•	•			
	FSG-165		Twist Base	•	•	•	•	•			
Vectra 2652/62/72	ST-250		E40	•	•	•	•	•	0.17	13.5	
	ST-400		E40	•	•	•	•	•			
	MT-250		E40	•	•	•	•	•			
	MT-400		E40	•	•	•	•	•			

ST (High pressure sodium)
MT (Ceramic metal halide)
FSM (Compact fluorescent)
FSG (Fluorescent induction)

W.a. (Windage area)
Kg (Weight)

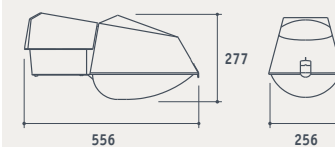
(1) PC (Polycarbonate Bowl 2650/2651/2652) - CG (Curved Glass 2670/2671/2672) - FG (Flat Glass 2660/2661/2662)
(2) A (Pedestrian crossing), specify LHD or RHD

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

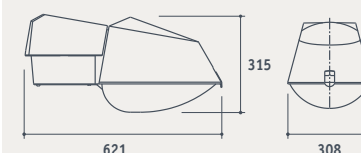
OPTIONS

Including lamp and cable
Class II versions (closing screw on gear compartment)
Wired for cell (WFC), mini Photocell or NEMA socket
Other RAL colours (housing) on request
DIM versions
Electronic ballast for ST/MT
SE lamp versions up to 400W

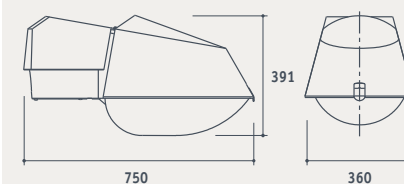
Vectra 2650 Bowl



Vectra 2651 Bowl



Vectra 2652 Bowl



Mounting details

