

## CFS-ZD13 ROADWAY SERIES 70~150 Watts



Ordering Info		
Wattage	FLAT GLASS LENS/ SQUARE LAMP	ROUND PC LENS/ SQUARE LAMP
40W	CFS-ZD13-40E-ST40W	CFS-ZD13a-40E-ST40W
55W	CFS-ZD13-55E-ST55W	CFS-ZD13a-55E-ST55W
70W	CFS-ZD13-70E-ST70W	CFS-ZD13a-70E-ST70W
80W	CFS-ZD13-80E-ST80W	CFS-ZD13a-80E-ST80W
100W	CFS-ZD13-100E-ST100W	CFS-ZD13a-100E-ST100W
120W	CFS-ZD13-120E-ST120W	CFS-ZD13a-120E-ST120W
150W	CFS-ZD13-150E-ST150W	CFS-ZD13a-150E-ST150W
200W	CFS-ZD13-200E-ST200W	CFS-ZD13a-200E-ST200W
250W	CFS-ZD13-250E-ST250W	CFS-ZD13a-250E-ST250W
	FLAT GLASS LENS/ROUND LAMP	ROUND PC LENS/ ROUND LAMP
40W	CFS-ZD13-40E-RT40W	CFS-ZD13a-40E-RT40W
55W	CFS-ZD13-55E-RT55W	CFS-ZD13a-55E-RT55W
70W	CFS-ZD13-70E-RT70W	CFS-ZD13a-70E-RT70W
80W	CFS-ZD13-80E-RT80W	CFS-ZD13a-80E-RT80W

### Features :

- \*Compact structure, good heat dissipation, long lifetime and easy maintenance.
- \*Newest type with die cast aluminum streamline contour for high wind resistance, adjustable projecting angle.
- \*Die cast aluminum alloy housing with powder coated finish for corrosion resistance and durable use.
- \*High purity stretched aluminum reflector with vacuum coating for even light distribution soft light and good light utilization.
- \*Reflector is fixed with top cover for good sealing and reasonable construction.
- \*Special Construction: Split ballast and lamp compartment;
- \*Lens are optional with tempered glass or heat resistant PC (polycarbonate) ,for good light diffusing.
- \*High heat resistant silicone rubber bushing for high IP rating.
- \*Optional photo control for energy saving.

### Lamp and ballast :

- \*40~250W tubular type induction lamp features high lighting efficacy, long lifetime, good color rendering, stable output, etc.
- \*Electronic ballast features high power factor (>0.95), flickering free, low loss, constant output, etc.

### Applications :

- \*Various kinds of roadway lighting.

### Induction lighting Features

#### No electrodes or filaments

- \*100,000 hrs rated average life.
- \*Low lumen depreciation of <30% @ 60,000 hours.
- \*Low operating temperature of components.

#### High-frequency operation

- \*High system efficacy(65-70lm/W)
- \*No flickering
- \*No stroboscopic effect
- \*No noise

#### Electronic control

- \*Output-protected HF generator
- Instant (re-)start
- \*Light available instantly when needed
- \*Short ignition time <0.5sec
- 3-line fluorescent coating
- \*Choice of color temperature
- \*White light
- \*Excellent color rendition (CRI 85)
- \*No color deviation

### Induction Lighting Benefits

- \*High reliability and virtually maintenance-free operation.
- \*Lasting light output right through life time.
- \*Increased safety, more standard luminaire construction.
- \*Economic, environment-friendly lighting in situations with long burning hours.
- \*Restful non-fatiguing light.
- \*No danger with rotating machinery.
- \*Non-disturbing in operations.
- \*Automatic switch-off in case of lamp or power coupler failure.
- \*Generator resets 15-30 seconds after switch off.
- \*Suitable for security and safety lighting.
- \*More comfort.
- \*Useful light immediately after switch-on.
- \*Installation can be matched to lighting situations and requirements.
- \*Uniform predictable lighting results throughout larger installations; color maintained through life.

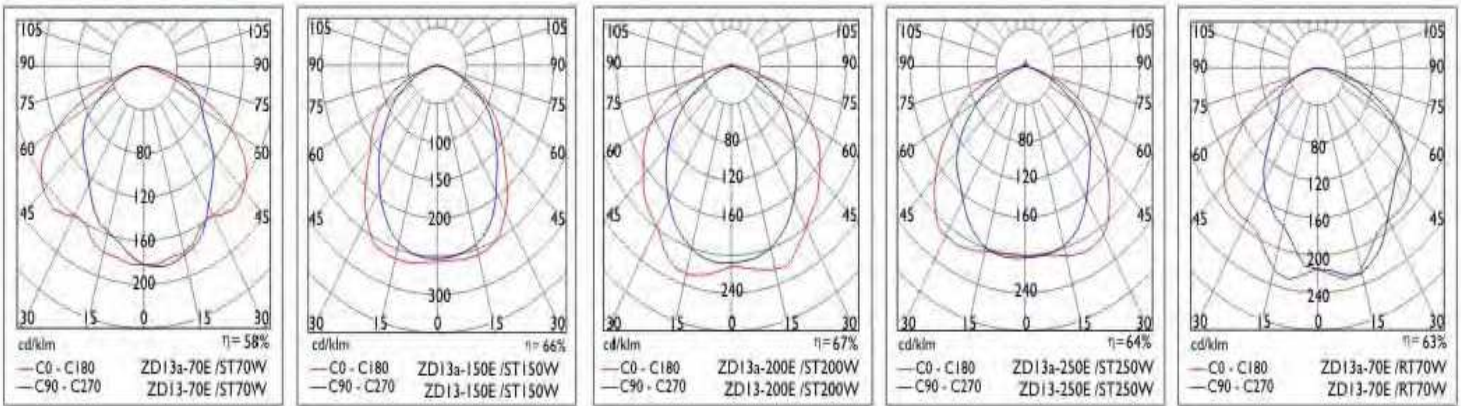
All CFS Inc. products come with a 5 year warranty.

CFS INC.

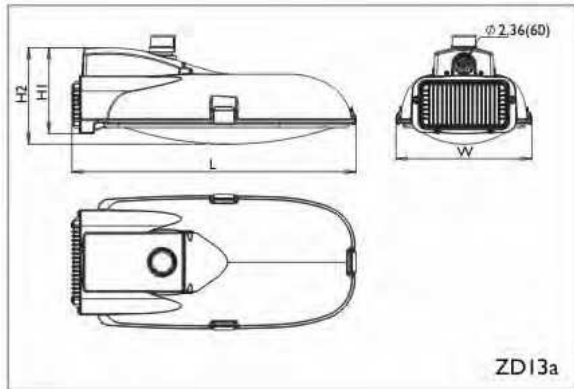
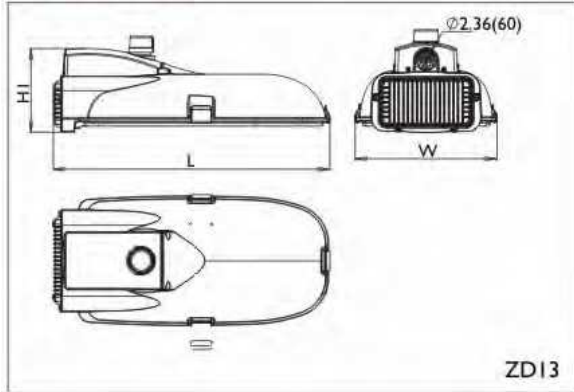
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# CFS-ZD13 ROADWAY SERIES 70/150/200/250 Watt Photometrics



## Dimensions



Fixture Model No.	L	W	H1	H2
ZD13-40E	23.18(588.7)	14.35(364.6)	9.64(244.9)	/
ZD13a-40E				10.44(265.3)
ZD13-55E	23.18(588.7)	14.35(364.6)	9.64(244.9)	/
ZD13a-55E				10.44(265.3)
ZD13-70E	23.18(588.7)	14.35(364.6)	9.64(244.9)	/
ZD13a-70E				10.44(265.3)
ZD13-80E	23.18(588.7)	14.35(364.6)	9.64(244.9)	/
ZD13a-80E				10.44(265.3)
ZD13-100E	27.10(688.4)	15.18(385.6)	10.98(278.9)	/
ZD13a-100E				12.02(305.3)
ZD13-120E	27.10(688.4)	15.18(385.6)	10.98(278.9)	/
ZD13a-120E				12.02(305.3)
ZD13-150E	27.10(688.4)	15.18(385.6)	10.98(278.9)	/
ZD13a-150E				12.02(305.3)
ZD13-200E	35.93(912.6)	17.17(436)	10.86(275.9)	/
ZD13a-200E				12.18(309.3)
ZD13-250E	35.93(912.6)	17.17(436)	10.86(275.9)	/
ZD13a-250E				12.18(309.3)

## Installation Instructions



1 Unscrew the two screws at the pole entry.



2 Open the pole cover.



3 Loosen the bolt of the bracket and put the pole place.



4 Set the level of the fixture and tighten the bolt at the torque of 13-15 N·M.



5 The customer's cable is pulled through the pole and wire press. Connect the wire as per the wiring diagram.



6 Close the cover of the pole and tighten the two screws at the pole entry.