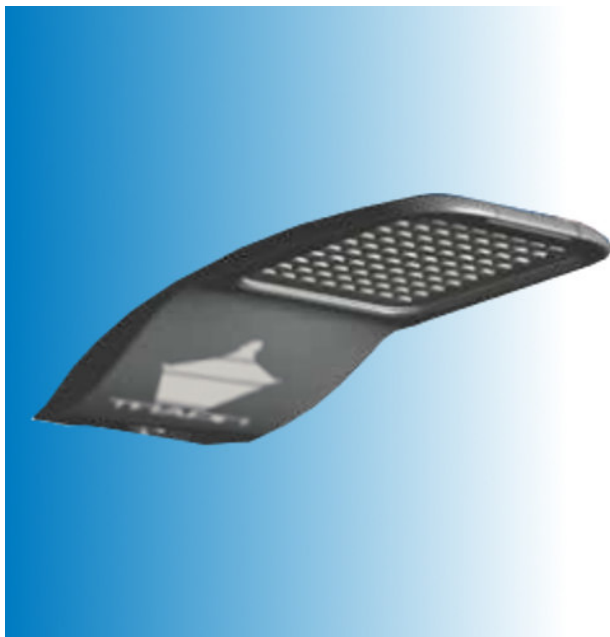




## TTL Sardes M2S



### Luminaire type :

LED-Top or Side mounted luminaire

### Pole height:

TTL M2S up to 14 m

### Application areas :

ME class roads and parking lots

Product specifications	TTL M2S-128
Luminous flux	14.800 lm $\pm$ %10
Power consumption	128 W
Color	Neutral White
Color temperature*	4000 K, Different color temperature optional
color rendering	CRI > 70
System efficiency	115 lm/W
Beam Angle	Asymmetrical
Optical system	PMMA Lenses optics
System life	>100.000 h at 25°
Operating temperature	-40° - +50°C
Enclosure rating, Protection class	IP66, Protection class I
Dimmable	Optional Auto dimming, PLC or HNS (half-night switching)

Electrical characteristics	
Mains voltage / frequency	220 ~ 240VAC / 50 ~ 60Hz
Mode of operation	Constant Current
Power factor	PF > 0,9
Maintenance factor	0,89
Certifications	ENEC 10, VDE Pending

Mechanical characteristics	
Dimensions (LxWxH)	790 x 355 x 138 mm
Housing / Surface	Diecast aluminum / powder coating
Impact resistance (IK)	IK08, 4mm safety glass
Weight	11 kg



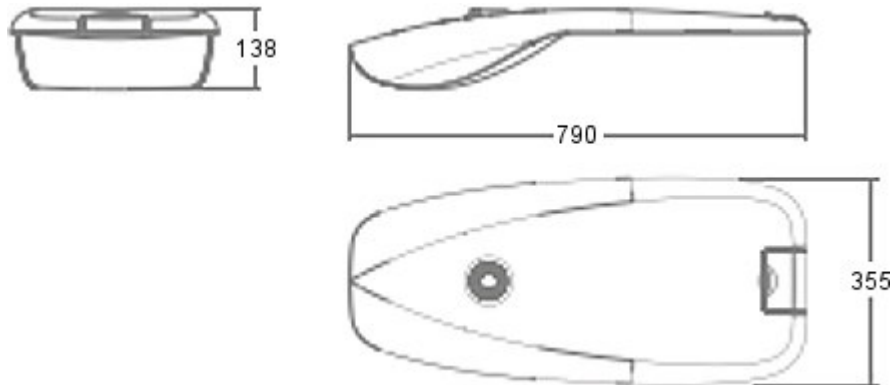
# Friedhelm TRAPP GmbH

Ostring 15 - 63533 Mainhausen - Zentrale: 06182/9294-5 - Fax: 06182/9294-69 - Mail: trapp@f-trapp.de

[www.f-trapp.de](http://www.f-trapp.de)

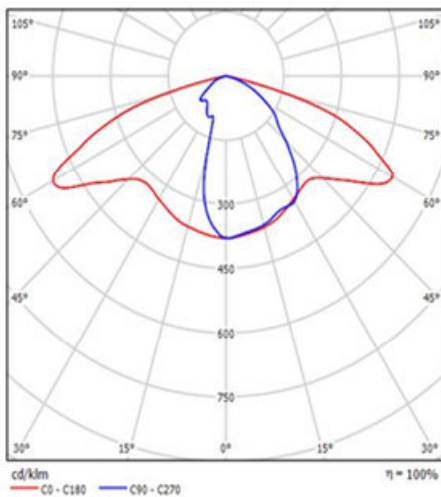
## TTL Sardes M2S

### Dimensions



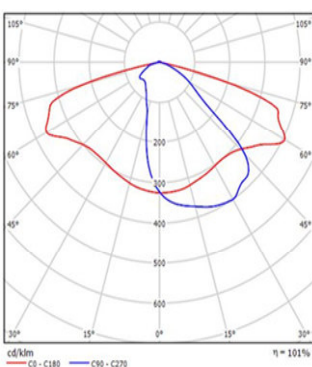
### Photometric data

#### Light distribution V1 - Standard

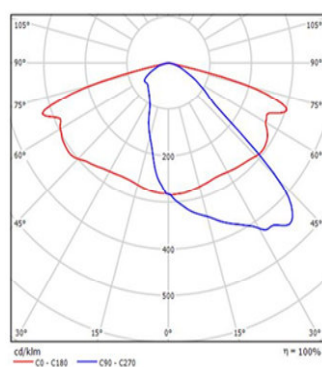


**There are different optical modules for the Street Lighting available to ensure optimal light distribution. Here some typical street optics. Other optics for enhanced requirements available!**

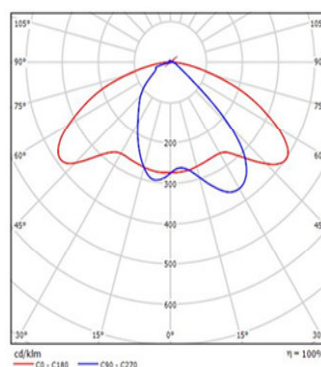
#### Light distribution V2



#### Light distribution V3



#### Light distribution V4



#### Light distribution V5

