



## TTL Ephesus M2S



### Luminaire type :

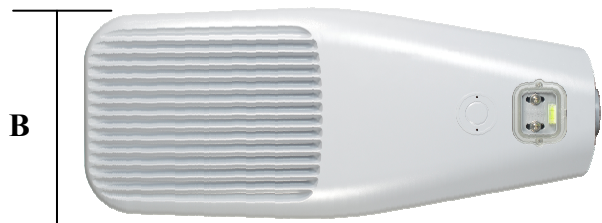
LED-Top or Side mounted luminaire

### Pole height:

TTL M2S up to 14 m

### Application areas :

ME class roads and parking lots



\*Special finish on request

Product specifications	TTL M2S-128	TTL M2S-147	TTL M2S-165
Luminous flux	14.800 lm ± %10	17.000 lm ± %10	19.000 lm ± %10
Power consumption	128 W	147 W	165 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

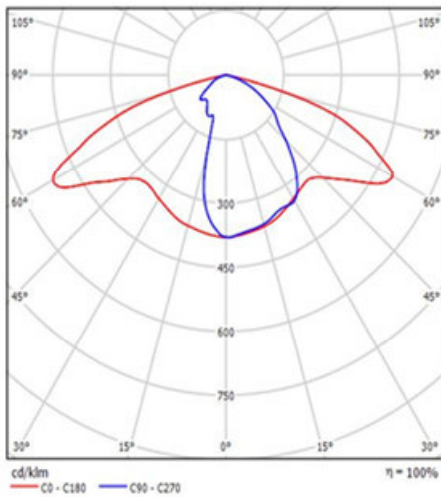
Mechanical characteristics	
Dimensions (LxWxH)	866 x 370 x 94 mm
Housing / Surface	Diecast aluminum / powder coating
Impact resistance (IK)	IK08, 4mm safety glass
Weight	11 kg



## TTL Ephesus M2S

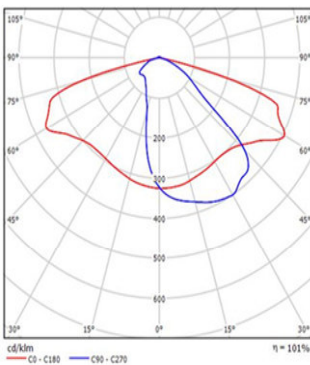
### Photometric data TTL M2S

#### Light distribution V1 - Standard

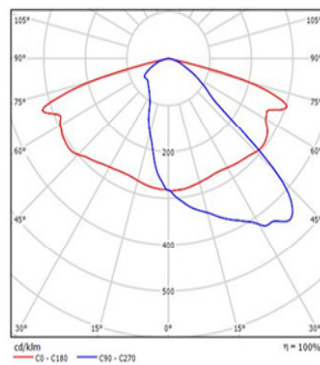


**There are different optical modules for the Street Lighting available to ensure optimal light distribution. Here some typical street optics. Other optics for enhanced requirements available!**

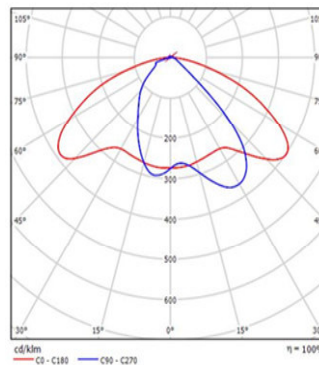
#### Light distribution V2



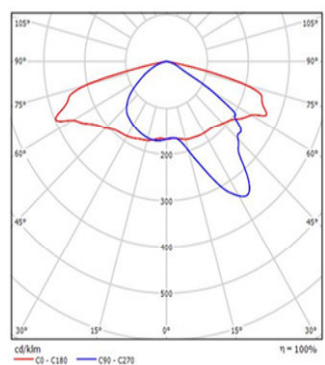
#### Light distribution V3



#### Light distribution V4



#### Light distribution V5





## TTL Ephesus M2H



**Luminaire type :**

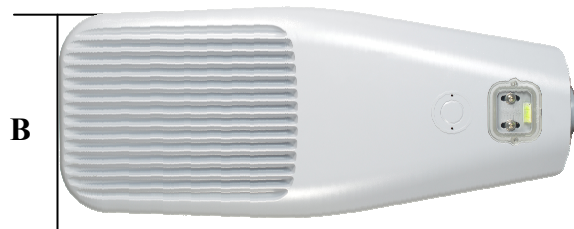
LED-Top or Side mounted luminaire

**Pole height:**

TTL M2H up to 14 m

**Application areas :**

ME class roads and parking lots



\*Special finish on request

Product specifications	TTL M2H-109
Luminous flux	14.700 lm ± %10
Power consumption	109 W
Color	Neutral White
Color temperature*	4000 K, Different color temperature optional
color rendering	CRI > 70
System efficiency	135 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

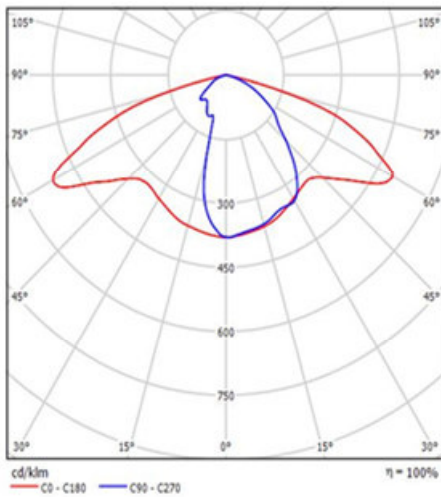
Mechanical characteristics	
Dimensions (LxWxH)	866 x 370 x 94 mm
Housing / Surface	Diecast aluminum / powder coating
Impact resistance (IK)	IK08, 4mm safety glass
Weight	11 kg



## TTL Ephesus M2SH

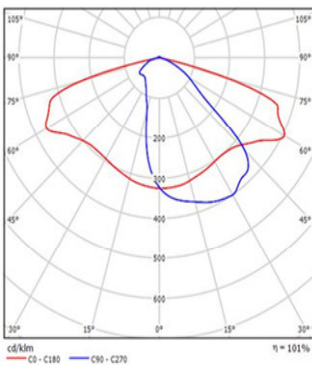
### Photometric data TTL M2H

#### Light distribution V1 - Standard

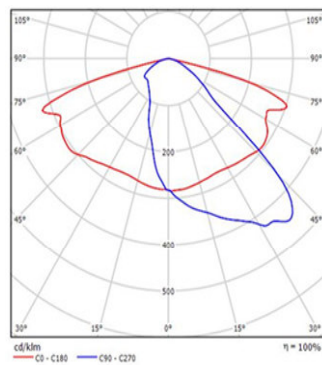


**There are different optical modules for the Street Lighting available to ensure optimal light distribution. Here some typical street optics. Other optics for enhanced requirements available!**

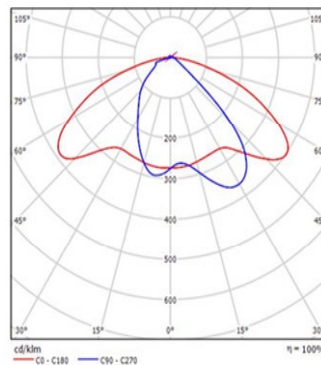
#### Light distribution V2



#### Light distribution V3



#### Light distribution V4



#### Light distribution V5

