



# Astra Series

## A new experience in light

The Astra Series is designed to provide superb uniform illumination for artwork, walls, product shelving, menu boards and a broad range of commercial applications.

The Astra Series delivers optimal lighting distribution with its patented asymmetric photometric design. Sophisticated photometrics optimize its efficiency and uniformity, while reducing the number of luminaires required.



[www.deltaww.com](http://www.deltaww.com)





The Astra Series comes with an integrated driver that fits perfectly within the heatsink.

The design emphasizes aesthetics, while optimizing the balance between function and thermal dissipation.



Users can easily adjust the luminaire horizontally by 355 degrees and slightly tilt the luminaire vertically.

To illuminate the right spot precisely, position the luminaire parallel to the object (wall). For optimal lighting distribution, install the luminaire one meter (40 inches) away from the wall.



### Superb uniform wallwashing

Sophisticated asymmetric optical design, increases luminous efficiency and achieves ultra-uniform light distribution.



### Wide luminaire spacing

Astra's asymmetric photometrics optimize its lighting distribution, enabling the Astra to be spaced up to 4 times the installation distance, while reducing the number of luminaires required.



### Easy installation

The Astra Series provides uniform wallwashing without additional tilting or further adjustment.



### Universal power input

The Astra Series covers all voltages from 100-240Vac.

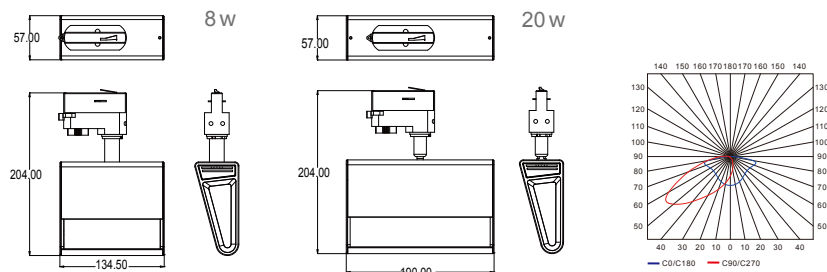
# Track Light



## Technical specifications

Power consumption	8W	20W
Color temperature	3000K/4000K/5000K	3000K/4000K/5000K
CRI	80(STD) 90(OPT)	80(STD) 90(OPT)
Luminous flux (typ.)	400/450/450	1200/1350/1350
Beam angle	95°*135°(Flood Light)	95°*135°(Flood Light)
Weight (g)	650(CM) 600(TL)	920(CM) 870(TL)
Operating temperature	-20 ~ +40°C	-20 ~ +40°C
Lamp power factor	> 0.5	> 0.9
Instant light	< 1s instant full light	< 1s instant full light
Finish color	White / Black	White / Black

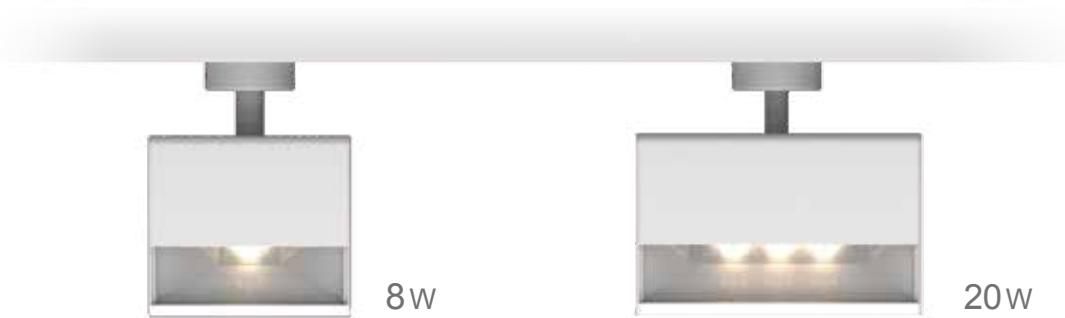
## Dimensions & light patterns



## Nomenclature

L	T	D	A	2	<u>D</u>	Y	<u>A</u>	<u>0_8</u>	A	J	1	A
					X1		X2	X3				
					X1 Finished color		X2 CCT	X3 Wattage				
					C:Black D:White		A:3000K B:4000K C:5000K	08:8W 20:20W				

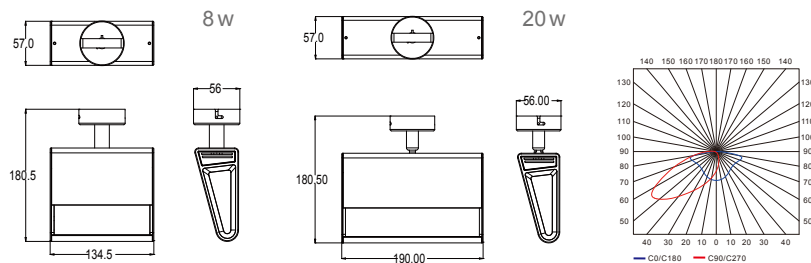
# Ceiling Mounted Light



## Technical specifications

Power consumption	8W	20W
Color temperature	3000K/4000K/5000K	3000K/4000K/5000K
CRI	80(STD) 90(OPT)	80(STD) 90(OPT)
Luminous flux (typ.)	400/450/450	1200/1350/1350
Beam angle	95°*135° (Flood Light)	95°*135° (Flood Light)
Weight (g)	650(CM) 600(TL)	920(CM) 870(TL)
Operating temperature	-20 ~ +40°C	-20 ~ +40°C
Lamp power factor	> 0.5	> 0.9
Instant light	< 1s instant full light	< 1s instant full light
Finish color	White / Black	White / Black

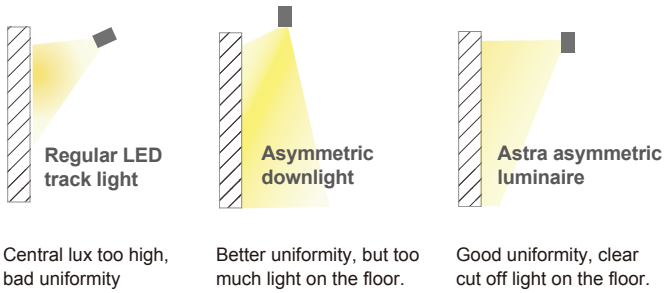
## Dimensions & light patterns



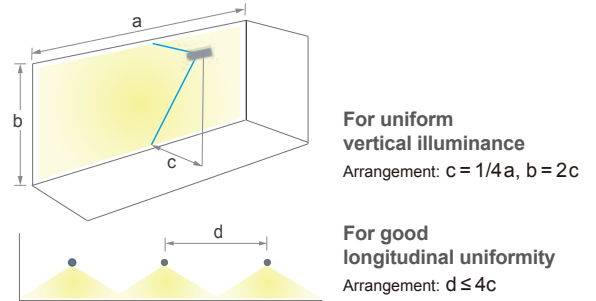
## Nomenclature

L	T	D	A	3	<u>D</u>	N	<u>A</u>	<u>0_8</u>	A	J	1	A
					X1		X2	X3				
					X1 Finished color		X2 CCT	X3 Wattage				
					C:Black D:White		A:3000K B:4000K C:5000K	08:8W 20:20W				

## Optical expertise



## Luminaire arrangement



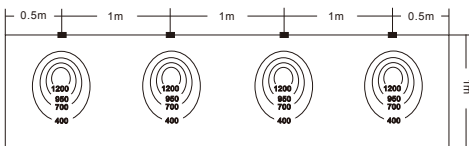
## Lighting effect & simulation

Menu board W6m \* H 1.5m

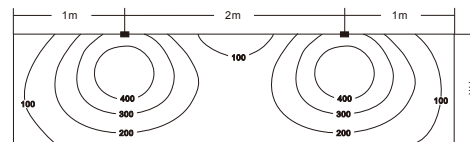
Install 50cm to the menu board

**Regular** LED MR16 \* 4pcs

**Astra** 8W \* 2pcs



CCT: 3000 K  
Avg: 337 lux  
Min: 10 lux  
Max: 1980 lux  
Uniformity: 0.03



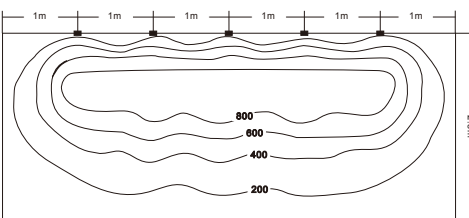
CCT: 3000 K  
Avg: 227 lux  
Min: 88 lux  
Max: 495 lux  
Uniformity: 0.3

Wall washing W6m \* H 2.5m

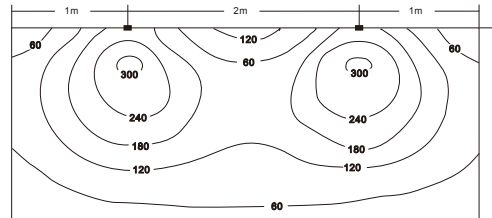
Install 1m to the wall

**Regular** 12W BA36 Track Light \* 5pcs

**Astra** 20W Track Light \* 2pcs



CCT: 3000 K  
Avg: 417 lux  
Min: 3.35 lux  
Max: 1002 lux  
Uniformity: 0.008



CCT: 3000 K  
Avg: 140 lux  
Min: 50 lux  
Max: 314 lux  
Uniformity: 0.357

# Delta global operations

- Main sales offices
- Main plant sites
- Main R&D centers



**169** Global sales offices

**38** Global plant sites

**64** Global R&D centers



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