ELECTRONIC &
SIGNAL TRAFFIC

# LA-COBRA
## MAXI

Number of LEDs and Lighting Flux
Future Maxi:
96,100,112,120,128,140
From 10400 to 30500 lumens

Future Mini S:
16,24,32,40
From 1925 to 9180 lumens

Cool white: CW 5000K@6500K
Neutral white: NW 4000K
Warm white: WW 3000K

| IP | IK | Class I | Class II |
|---|---|---|---|
| 66 | 08 | | |

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CE RoHS

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A The housing is made of very corrosion resistant die-cast aluminum. Polyester powder coated painting after chemical washing treatment. Standard color: RAL 7015 and RAL 7035. Any other colors are on request.

B Spigot is made of die-cast aluminum, standard in same color as body. Universal post top/side entry spigot for Ø60mm and Ø76mm.

C Closing-dips are made of very corrosion resistant die-cast aluminum, standard in same color as body, fixed to the frame with stainless steel spring, for easy and tool-less operation.

D Mounting with two stainless steel M10 bolts (extra long bolts for small column can be ordered with luminaire).

E Gear tray is made in high thermal and mechanical resistance thermos plastic material (30% fiber glass), tool free removable after disconnecting the plug.

F Mounting with two separated parts for easy installation..

G NEMA Photocontrol Receptacle on request.

# LA-COBRA
## MAXI

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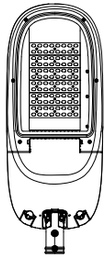
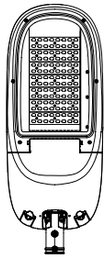
# COBRA MAXI
## A version



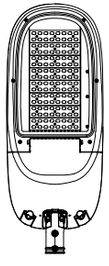
96LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MAXI - 96 | 350mA | 105W | 10400 | 11040 | 11500 |
| | 530mA | 160W | 15200 | 16110 | 16720 |
| | 700mA | 215W | 19600 | 20770 | 21750 |



112LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MAXI - 112 | 350mA | 120W | 12100 | 12810 | 13350 |
| | 530mA | 185W | 17500 | 18620 | 19400 |
| | 700mA | 250W | 23000 | 24350 | 25500 |

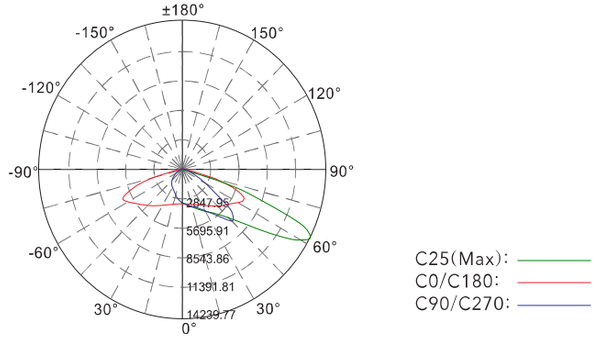


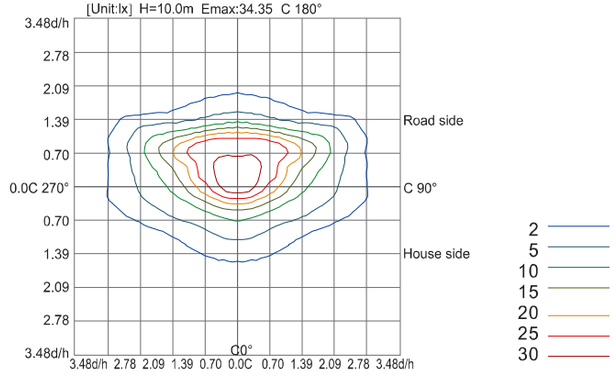
128LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MAXI - 128 | 350mA | 140W | 13800 | 14620 | 15230 |
| | 530mA | 215W | 20030 | 21370 | 22260 |
| | 700mA | 285W | 26100 | 27850 | 29000 |

**LA-COBRA Maxi - 96 ( 16 in 1 Lens ) A Version**

Light Distribution Curve [Unit:cd]

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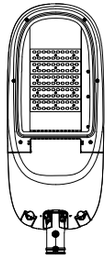
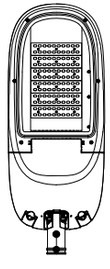
# COBRA MAXI
## B version



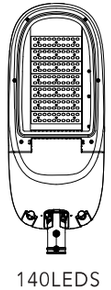
100LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MAXI - 100 | 350mA | 110W | 10820 | 11540 | 12020 |
| | 530mA | 165W | 15680 | 16720 | 17420 |
| | 700mA | 225W | 20500 | 21860 | 22770 |



120LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MAXI - 120 | 350mA | 130W | 12900 | 13760 | 14330 |
| | 530mA | 200W | 18740 | 20000 | 20820 |
| | 700mA | 265W | 24320 | 25940 | 27020 |

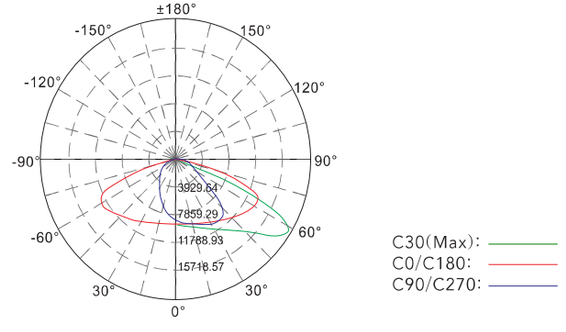


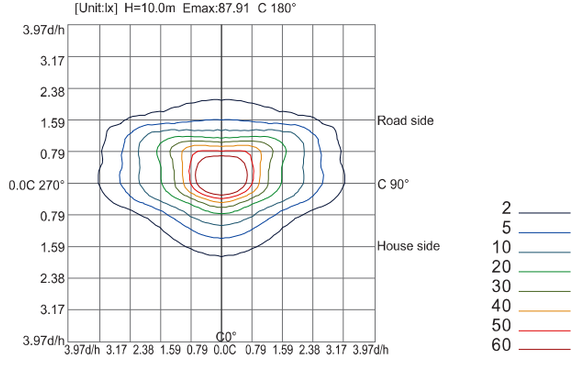
140LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MAXI - 140 | 350mA | 150W | 15000 | 16000 | 16670 |
| | 530mA | 230W | 21760 | 23210 | 24175 |
| | 700mA | 300W | 27500 | 28980 | 30500 |

**LA-COBRA Maxi - 140 ( 20 in 1 Lens ) B Version**

Light Distribution Curve [Unit:cd]

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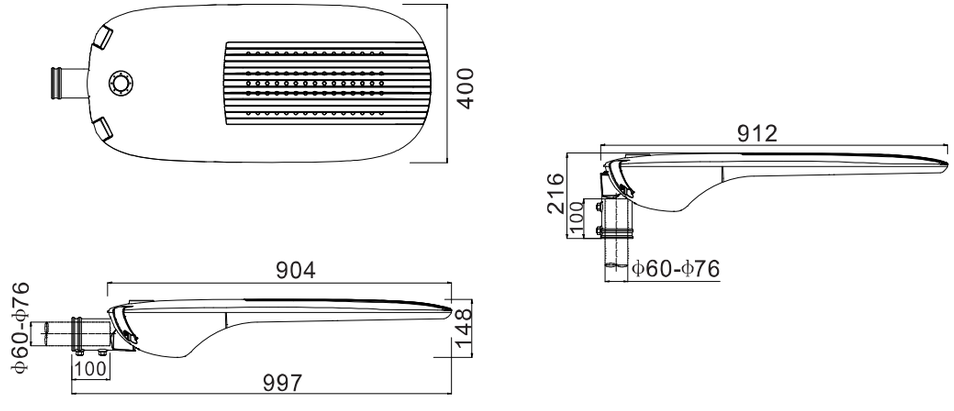
The nominal initial flux is an indicative LED flux @ tj 25° C based on LED manufacturer's data. The real flux output of the luminaire depends on environmental conditions (e.g. temperature and pollution) and the optical efficiency of luminaire.
The nominal initial flux depends on the type of LED in use and likely to change in accordance with the continuous and rapid developments in LED technology.

| | CEN ME1 Requirements | Future-Maxi-140 (700mA) | CEN ME2 Requirements | Future-Maxi-96 (700mA) |
|---|---|---|---|---|
| Luminaire power consumption (W) | / | 300 | / | 215 |
| Spacing between luminaires (m) | / | 40 | / | 32 |
| Average luminance (cd/m2) | ⩾2.0 | 2.21 | ⩾1.5 | 1.58 |
| uniformity -Uo | 0.4 | 0.45 | 0.4 | 0.57 |
| Longitudinal uniformity – UL | 0.7 | 0.78 | 0.7 | 0.70 |
| Glare - TI (%) | 10 | 9.7 | 10 | 8.3 |
| Power consumption per km (W) | / | 15,000 | / | 13,438 |
| System Energy Savings* | 50%<br>*50% energy savings can be achieved by dimming control | | | |

## DIMENSIONS




Cool white: CW 5000K@6500K
Neutral white: NW 4000K
Warm white: WW 3000K

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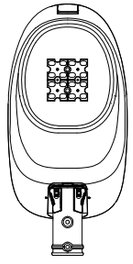
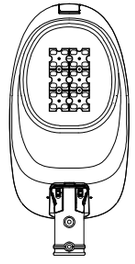
# COBRA
## Mini S



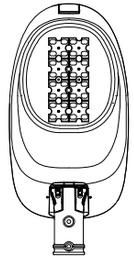
16LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MS-16 | 350mA | 18W | 1925 | 2040 | 2040 |
| | 530mA | 28W | 2845 | 3020 | 3020 |
| | 700mA | 38W | 3650 | 4000 | 4000 |



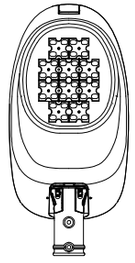
24LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MS-24 | 350mA | 28W | 3000 | 3160 | 3160 |
| | 530mA | 41W | 4155 | 4400 | 4400 |
| | 700mA | 55W | 5350 | 5775 | 5775 |



32LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MS-32 | 350mA | 36W | 3800 | 4050 | 4050 |
| | 530mA | 56W | 5670 | 6050 | 6050 |
| | 700mA | 73W | 7100 | 7600 | 7600 |

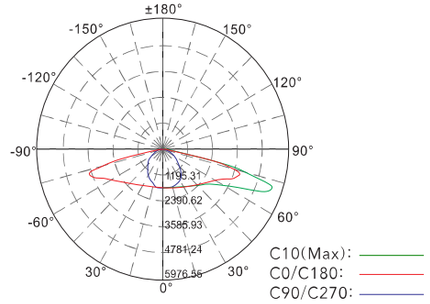


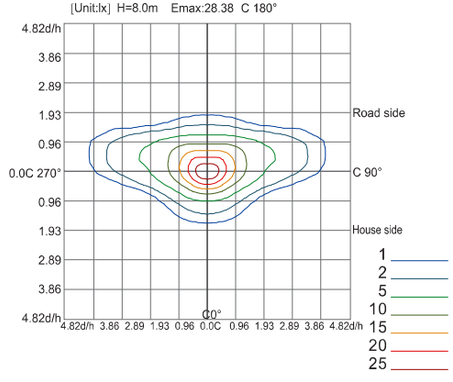
40LEDS

| | Current | Power consump | Nominal intial Flux(Lm) WW | NW | CW |
|---|---|---|---|---|---|
| LA-COBRA-MS-40 | 350mA | 45W | 4730 | 5100 | 5100 |
| | 530mA | 69W | 6950 | 7380 | 7380 |
| | 700mA | 90W | 8630 | 9180 | 9180 |

**LA-COBRA Mini S ( Type I )**

Light Distribution Curve [Unit:cd]

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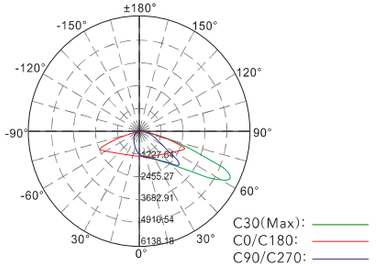
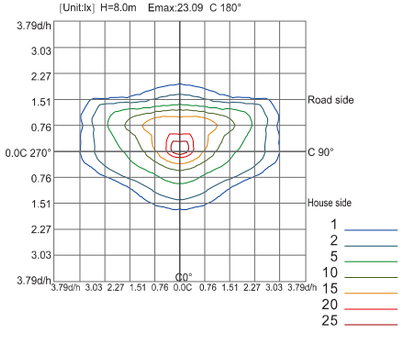
# COBRA
## Mini S

### LA-COBRA Mini S ( Type II )

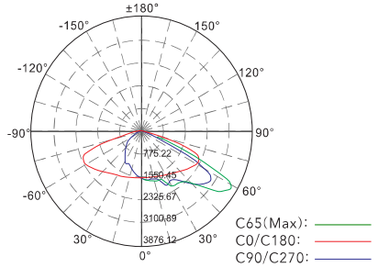
Light Distribution Curve [Unit:cd]

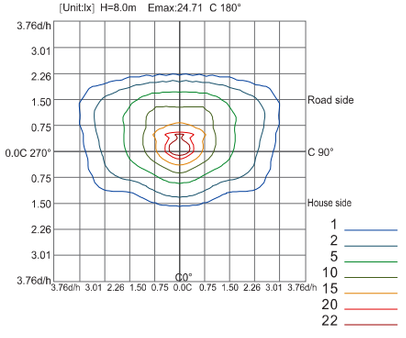



### LA-COBRA Mini S ( Type III )

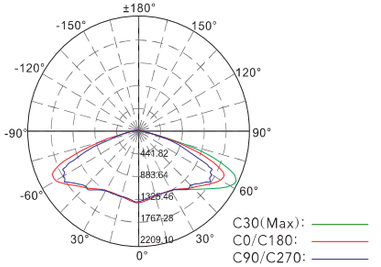
Light Distribution Curve [Unit:cd]

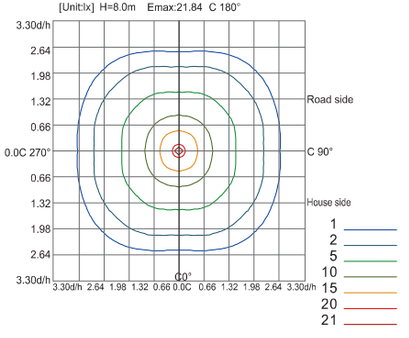


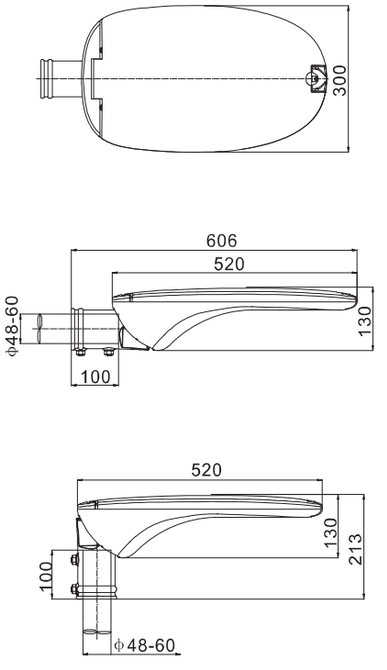

### LA-COBRA Mini S ( Type V )

Light Distribution Curve [Unit:cd]




## DIMENSIONS




| Carton Dimension | 650X345X170mm | Weight(Kgs) | 7.6Kgs |
|---|---|---|---|

WW Warm White 3000K
NW Neutral White 4000K
Cool white: CW 5000K@6500K
Normal installing height 4-8 meters

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