

### PRODUCT DATASHEET Lena series

last update 4/2/2013



Reflector twist-and-locks into included base part that holds COE



#### Ordering number CN13157\_LENA-WAS

Family Lena FWHM (simulated) Asymmetric Type Pack Efficiency (simulated) 87 % LED COB204 cd/lm -

Color Metal Gerber File Available

Diameter 111 mm

Height 38.2 mm

Style Round Reflector twist-and-locks into included base part that holds COE

Optic Material PC
Holder Material Fastening Socket
Status Ready

#### Ordering number CN13167\_LENA-WAS-DL

Family Lena FWHM (simulated) Asymmetric
Type Pack Efficiency (simulated) 85 %

LED COB204 cd/lm Color Metal Gerber File Available
Diameter 111 mm

Height 40.3 mm
Style Round
Optic Material PC
Holder Material Fastening Socket
Status Ready

#### Ordering number CN13452\_LENA-X-WAS

Family Lena FWHM (simulated) Asym Type Pack Efficiency (simulated) 0 %

LED COB204 cd/lm Color White Gerber File Available

Diameter 111 mm
Height 38.2 mm

Height 38.2 mm
Style Round Reflector twist-and-locks into included base part that holds COB

Optic Material PC
Holder Material PC

Fastening Screw, socket Status Ready

#### Ordering number CN13453\_LENA-X-WAS-DL

Family Lena FWHM (simulated) Asym Type Pack Efficiency (simulated) 0 %

LED COB204 cd/lm -

Color White Gerber File Available
Diameter 111 mm

Height 40.3 mm

Style Round Reflector twist-and-locks into included base part that holds COE

Fastening Screw, socket Status Ready

Optic Material

Holder Material

Status Ready

PC

PC



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#### Ordering number CN12099\_LENA-S

Family Lena Type Pack LED COB204 Color Metal Diameter 111 mm Height 85.6 mm Style Round PC Optic Material РС Holder Material Fastening Screw Ready Status

FWHM 10 degrees
Efficiency (simulated) 0 %
cd/lm -

Gerber File Available

#### Ordering number CN12110\_LENA-S-DL

Family Lena Type Pack **LED** COB204 Color Metal Diameter 111 mm Height 87.2 mm Style Round PC Optic Material PC Holder Material Fastening Screw Status Ready

FWHM 11 degrees Efficiency (simulated) 0 %

cd/lm

Gerber File Available

#### Ordering number CN12165\_LENA-M-DL

Family Lena Pack Type **LED** COB204 Color Metal Diameter 111 mm Height 87.2 mm Style Round PC Optic Material Holder Material PC Fastening Screw Status Ready

FWHM 19 degrees Efficiency (simulated) 0 %

cd/lm -

Gerber File Available

#### Ordering number CN12111\_LENA-W-DL

Family Lena Pack Type LED COB204 Color Metal Diameter 111 mm 87.2 mm Height Style Round Optic Material Holder Material PC Fastening Screw Status Ready

FWHM 44 degrees Efficiency (simulated) 0 %

cd/lm -

Gerber File Available

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NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.



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#### **GENERAL INFORMATION**

- Product series especially designed & optimized for COB204 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
  Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

### Relative intensity of CA12111\_Lena-W-Diffuser-Lens\_COB-L110



