

TINA-BW

~60° batwing beam. Assembly with black holder and installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions Ø 16.1 mm

Height 9.5 mm

Fastening tape, pin

Colour black

Box size 470 x 240 x 105 mm

Box weight 3.4 kg

Quantity in Box 2016 pcs

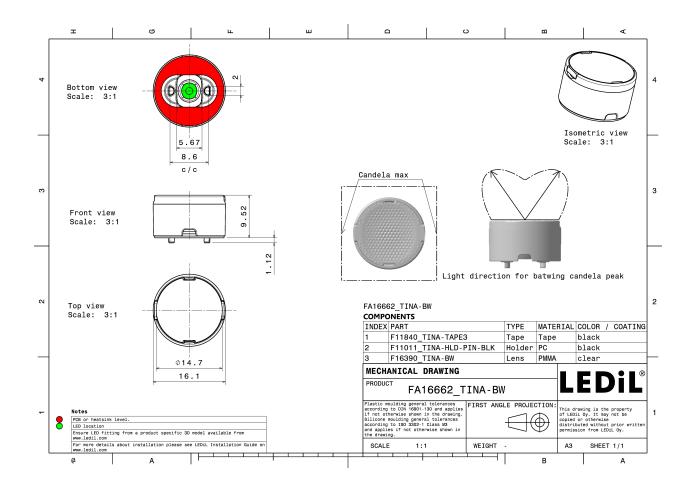
ROHS compliant yes 1



MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour
TINA-BW	Lens	PMMA	clear
TINA-HLD-PIN-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black





PHOTOMETRIC DATA (MEASURED):

CREE \$

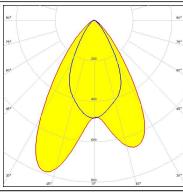
LED XP-E2

FWHM Asymmetric

Efficiency 77 %

Peak intensity 0.790 cd/lm

Required components:



MUMILEDS

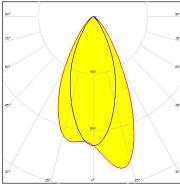
LED LUXEON 3030 2D (Square LES)

FWHM Asymmetric

Efficiency 80 %

Peak intensity 1.100 cd/lm

Required components:



MUMILEDS

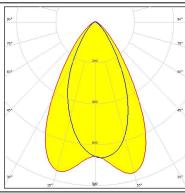
LED LUXEON TX

FWHM Asymmetric

Efficiency 77 %

Peak intensity 0.770 cd/lm

Required components:



WNICHIA

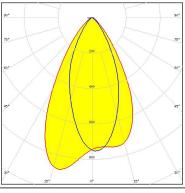
LED NCSxx19B

FWHM Asymmetric

Efficiency 77 %

Peak intensity 0.890 cd/lm

Required components:



PHOTOMETRIC DATA (MEASURED):

WNICHIA

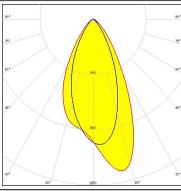
LED NF2x757G

FWHM Asymmetric

80 % Efficiency

Peak intensity 1.100 cd/lm

Required components:



OSRAM Opto Semicond

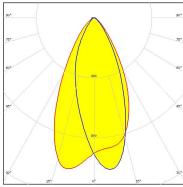
LED Duris S5 (2 chip)

FWHM Asymmetric

Efficiency 80 %

Peak intensity 1.100 cd/lm

Required components:



OSRAM Opto Semiconductors

LED

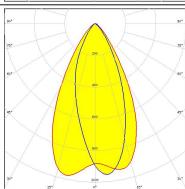
Duris S5 (Single chip)

FWHM Asymmetric

Efficiency 80 %

1.000 cd/lm Peak intensity

Required components:



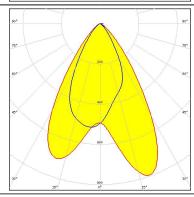
OSRAM Opto Semiconductors

LED Oslon SSL 150 **FWHM** Asymmetric

Efficiency 77 %

Peak intensity 0.850 cd/lm

Required components:





PHOTOMETRIC DATA (MEASURED):

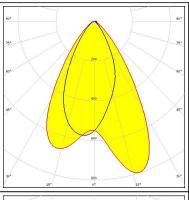
OSRAM Opto Semiconductors

LED Oslon SSL 80 FWHM Asymmetric

Efficiency 75 %

Peak intensity 0.840 cd/lm

Required components:



SAMSUNG

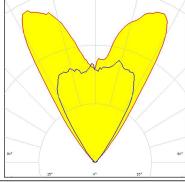
LED LH351B

FWHM Asymmetric

Efficiency 75 %

Peak intensity 0.640 cd/lm

Required components:





GENERAL INFORMATION:

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

MATERIALS:

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