

## FLORENTINA-HLD-O-90

~35° + 15° oval beam. Variant with beam direction rotated 90°.

### TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	9.7 mm
Fastening	screw
Colour	black
Box size	390 x 300 x 130 mm
Box weight	5.4 kg
Quantity in Box	160 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-XP-O	Lens	PMMA	clear
FLORENTINA-HLD	Holder	PC	black



#### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XP-E2  
FWHM 35.0 + 12.0°  
Efficiency 83 %  
Peak intensity 5.050 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD

#### CREE

LED XP-G2  
FWHM 34.0 + 15.0°  
Efficiency 83 %  
Peak intensity 4.200 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD

#### LG Innotek

LED H35C1 (LEMWA33)  
FWHM 34.0 + 16.0°  
Efficiency 80 %  
Peak intensity 3.660 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD

#### LUMILEDS

LED LUXEON Rebel ES  
FWHM 33.0 + 17.0°  
Efficiency 79 %  
Peak intensity 3.600 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD

#### PHOTOMETRIC DATA (MEASURED):

##### LUMILEDS

LED LUXEON Rebel Plus

FWHM 33.0 + 15.0°

Efficiency 81 %

Peak intensity 4.300 cd/lm

Required components:

C14446\_FLORENTINA-SHD

##### LUMILEDS

LED LUXEON TX

FWHM 34.0 + 16.0°

Efficiency 81 %

Peak intensity 3.800 cd/lm

Required components:

C14446\_FLORENTINA-SHD

##### LUMILEDS

LED LUXEON Z ES

FWHM 34.0 + 13.0°

Efficiency 82 %

Peak intensity 5.100 cd/lm

Required components:

C14446\_FLORENTINA-SHD

##### NICHIA

LED NCSxx19B

FWHM 34.0 + 14.0°

Efficiency 79 %

Peak intensity 4.200 cd/lm

Required components:

C14446\_FLORENTINA-SHD

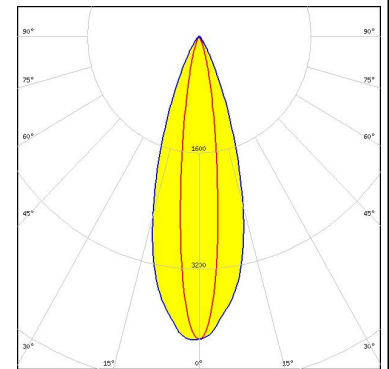
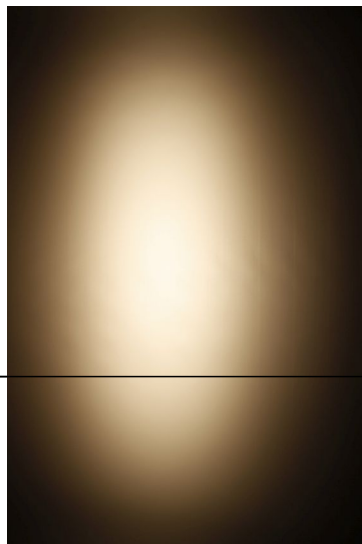
#### PHOTOMETRIC DATA (MEASURED):



LED NVSxx19B/NVSxx19C  
FWHM 34.0 + 17.0°  
Efficiency 78 %  
Peak intensity 3.430 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD



LED Oslon Square EC  
FWHM 15.0 + 34.0°  
Efficiency 85 %  
Peak intensity 4.200 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD



LED Oslon SSL 80  
FWHM 33.0 + 15.0°  
Efficiency 79 %  
Peak intensity 4.080 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD



LED LH351B  
FWHM 34.0 + 18.0°  
Efficiency 94 %  
Peak intensity 3.480 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD

#### PHOTOMETRIC DATA (MEASURED):

**TOSHIBA**

Leading Innovation &gt;&gt;&gt;

LED	TL1L4
FWHM	34.0 + 17.0°
Efficiency	79 %
Peak intensity	3.590 cd/lm
Required components:	
	C14446_FLORENTINA-SHD

#### 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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