

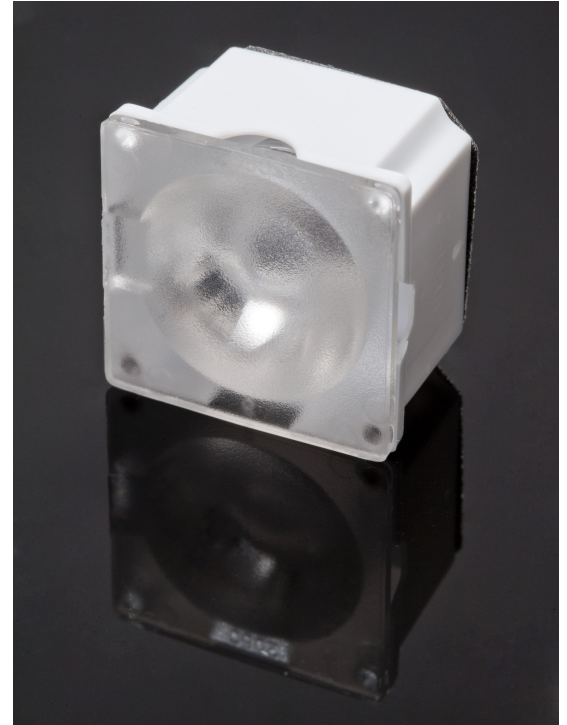
### ROSE

21.6 x 21.6 mm lenses preassembled in durable holders with an adhesive tape

ROSE is a versatile family of single 21.6 x 21.6 mm lenses consisting of ROSE, ROSE-MRK and ROSE-UV subfamilies. All subfamilies have the same dimensions and come preassembled in lightweight and durable holders with a fastening tape that makes their installation fast and easy.

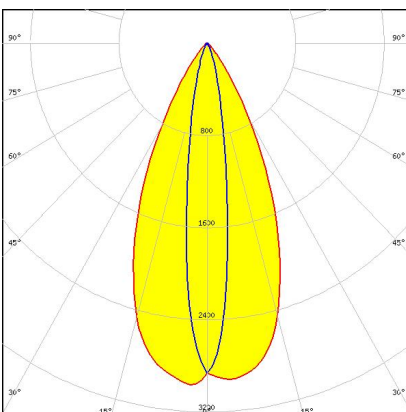
### ROSE

Variant made from PC for up to 5050 size LED packages



### PRODUCTS:

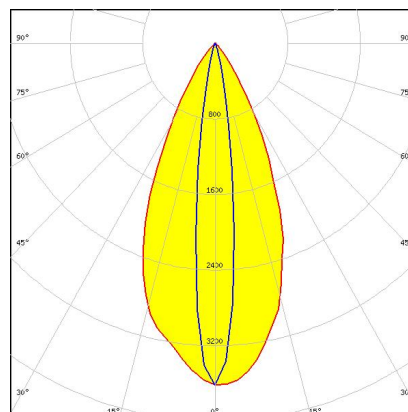
#### FA10340\_NIS83-MX-O



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.50 mm**

~45° x 15° oval beam optimized for Nichia NS6x83. Assembly with 13.5 mm high white holder.

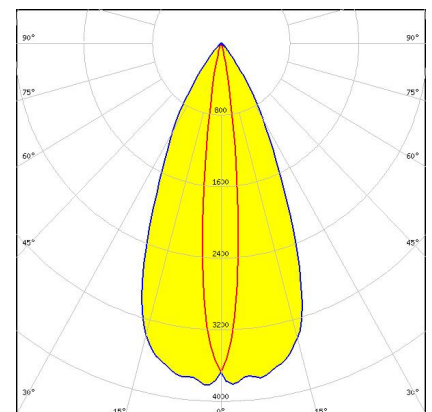
#### FA10669\_CXP-O



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.15 mm**

~45° + 15° oval beam optimized for CREE XP-E. Assembly with black holder.

#### FA11145\_OSS-O-90

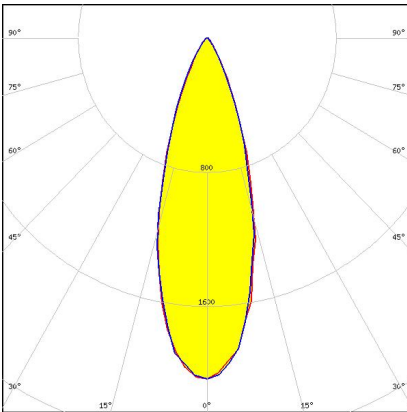


**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~13° + 45° oval beam optimized for Osram Golden Dragon+. Variant with beam direction rotated 90°. Assembly with white holder.

### PRODUCTS:

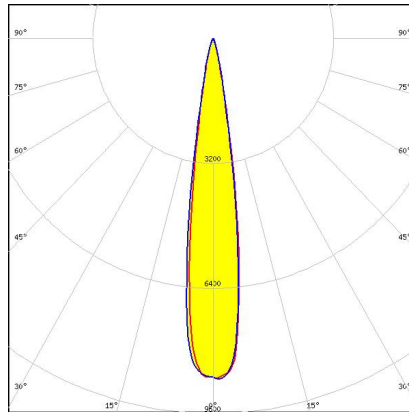
#### FA10339\_NIS83-MX-M



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.50 mm**

~30° medium beam optimized for Nichia NS6x83. Assembly with white holder and installation tape.

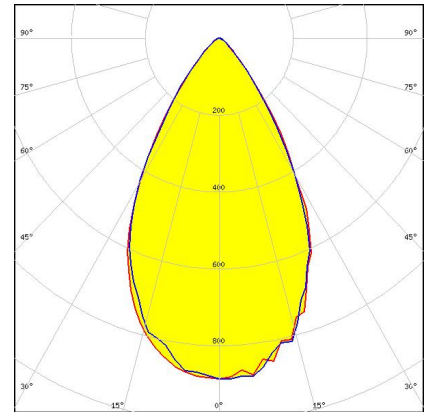
#### FA10668\_CXP-RS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.15 mm**

~11° spot beam optimized for CREE XP-E. Assembly with black holder.

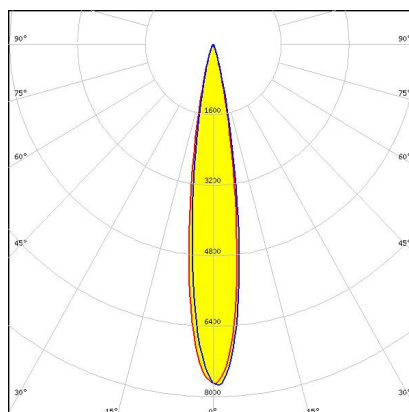
#### FA10903\_NIS83-MX-WW



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.50 mm**

~60° wide beam optimized for Nichia NS6x83. Assembly with white holder.

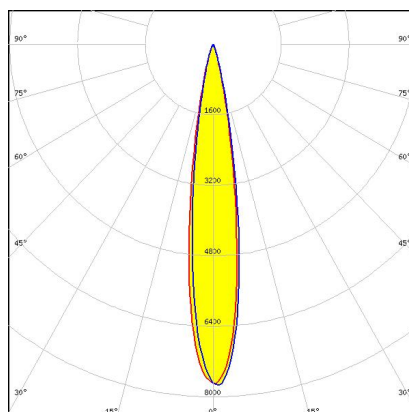
#### FA10336\_NIS83-MX-RS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.50 mm**

~11° spot beam optimized for Nichia NS6x83. Assembly with white holder and installation tape.

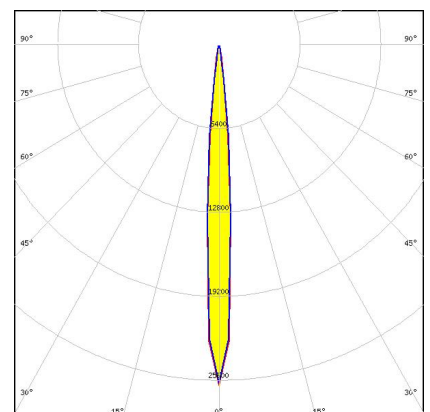
#### FA10667\_CXP-SS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.15 mm**

~15° smooth spot beam optimized for CREE XP-E. Assembly with black holder.

#### FCX10856\_RES-RS

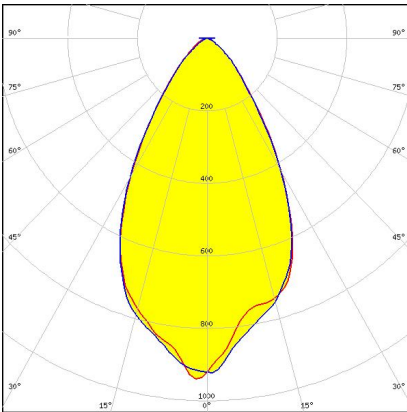


**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.90 mm**

~11° spot beam for LUXEON Rebel. Assembly with white holder.

### PRODUCTS:

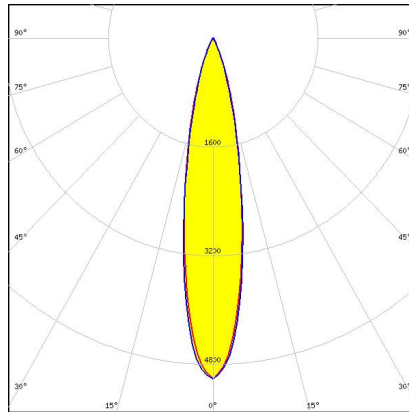
#### CA13617\_G2-OSS-2-WWW



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~80° very wide beam optimized for Osram Golden Dragon+. G2 assembly with light, white holder.

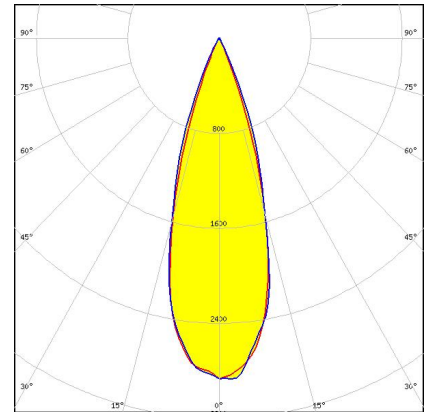
#### FA10327\_OSS-SS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~15° smooth spot beam optimized for Osram Golden Dragon+. Assembly with white holder and installation tape.

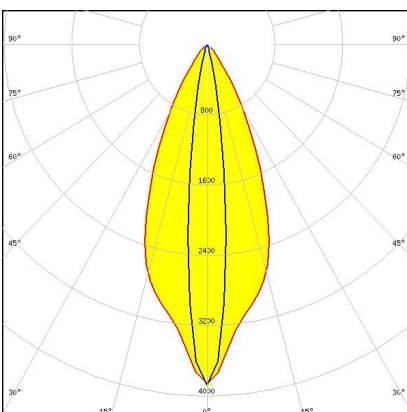
#### FA10665\_CXP-M



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.15 mm**

~30° medium beam optimized for CREE XP-E. Assembly with black holder.

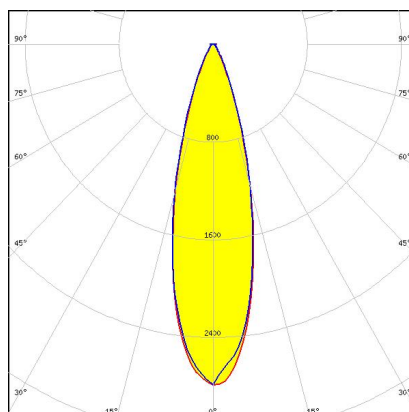
#### FCX10854\_RES-O



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.90 mm**

~45° + 15° oval beam for LUXEON Rebel. Assembly with white holder.

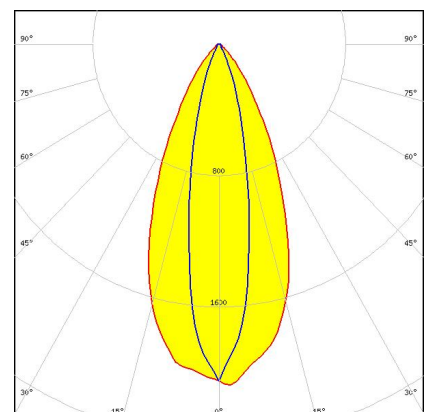
#### CA13614\_G2-OSS-2-M



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~25° medium beam optimized for Osram Golden Dragon+. G2 assembly with light, white holder.

#### FA10302\_OSS-O

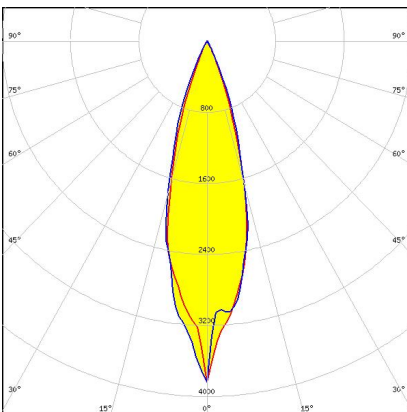


**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~45° + 15° oval beam optimized for Osram Golden Dragon+. Assembly with white holder.

### PRODUCTS:

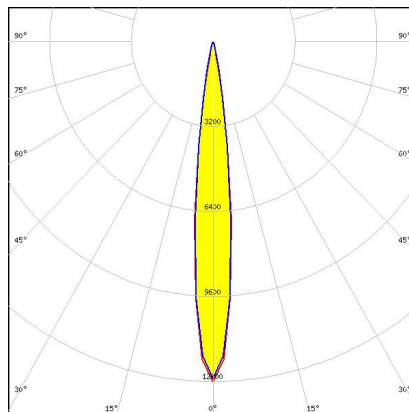
#### CA10569\_OSS-2-M



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~30° medium beam optimized for Osram Golden Dragon+. Assembly with white holder.

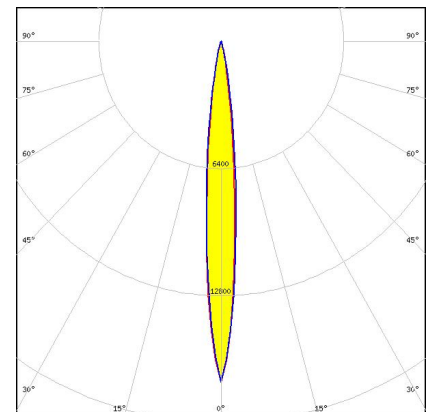
#### FCX10853\_RES-SS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.90 mm**

~15° smooth spot beam optimized for LUXEON Rebel. Assembly with white holder.

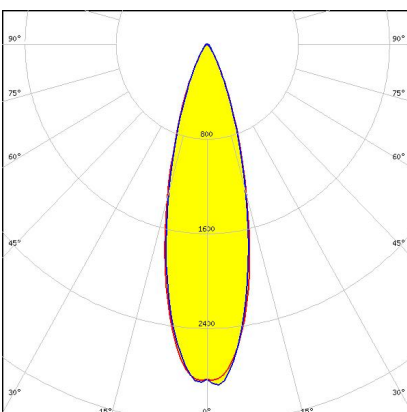
#### CA13613\_G2-OSS-2-RS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~11° spot beam optimized for Osram Golden Dragon+. G2 assembly with light, white holder.

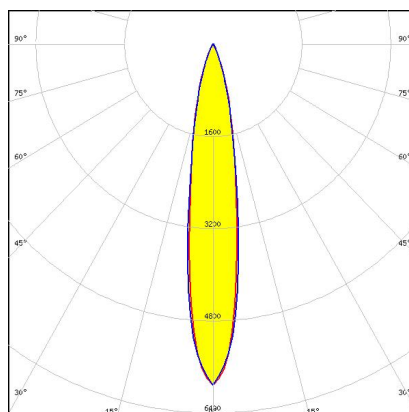
#### FA10301\_OSS-M



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~30° medium beam optimized for Osram Golden Dragon+. Assembly with white holder.

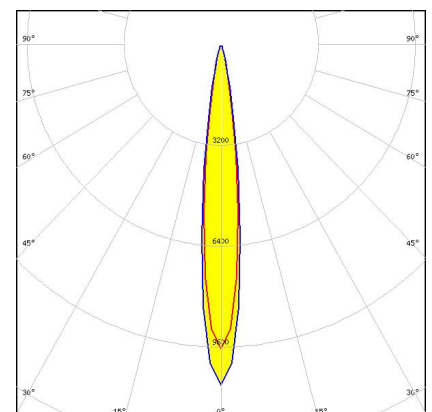
#### CA10561\_OSS-2-RS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~11° spot beam optimized for Osram Golden Dragon+. Assembly with white holder.

#### FCX10852\_RES-D

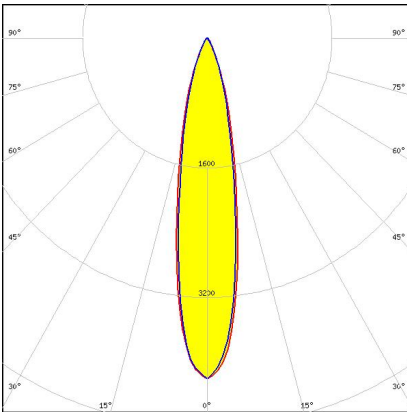


**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.90 mm**

~16° diffused spot beam optimized for LUXEON Rebel. Assembly with white holder.

### PRODUCTS:

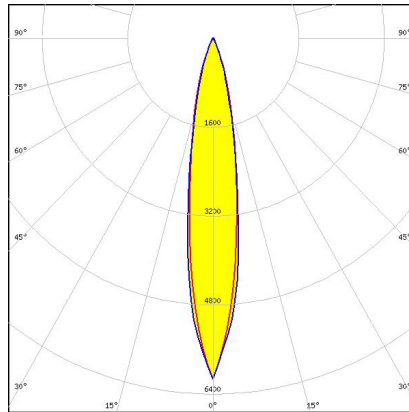
#### CA13612\_G2-OSS-2-SS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~15° smooth spot beam optimized for Osram Golden Dragon+. G2 assembly with light, white holder.

#### FA10299\_OSS-RS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

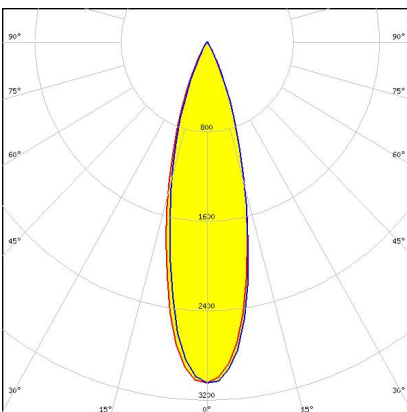
~11° spot beam optimized for Osram Golden Dragon+. Assembly with white holder.

#### CA10560\_OSS-2-SS

**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

PMMA lens with ~15° smooth spot beam optimized for Osram Golden Dragon+. Assembly with white holder.

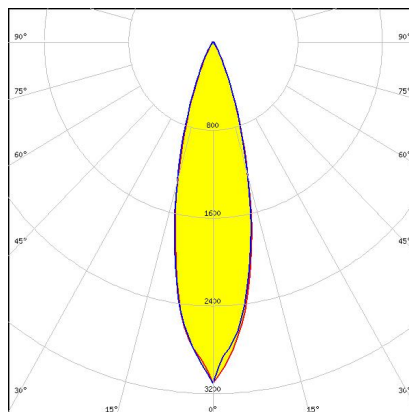
#### FCX10851\_RES-M



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.90 mm**

~30° medium beam optimized for LUXEON Rebel. Assembly with white holder.

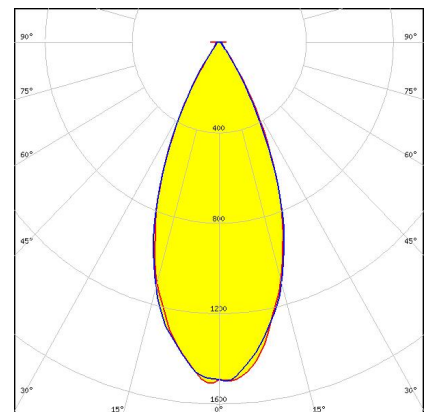
#### FA11911\_CXM-M



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.90 mm**

~30° medium beam optimized for CREE XM-L. Assembly with white holder.

#### FA10344\_NIS83-MX-W

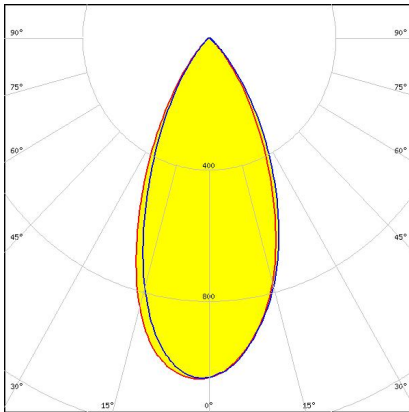


**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.50 mm**

~50° wide beam optimized for Nichia NS6x83. Assembly with white holder.

### PRODUCTS:

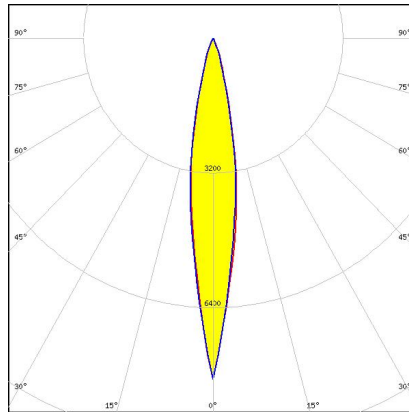
#### FA10708\_CXP-W



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.15 mm**

~50° wide beam optimized for CREE  
XP-E. Assembly with black holder.

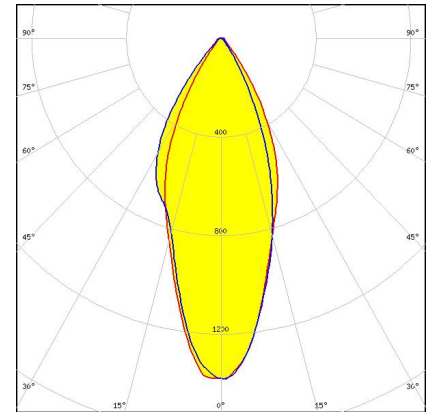
#### FA11909\_CXM-RS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.90 mm**

~11° spot beam optimized for CREE  
XM-L. Assembly with white holder.

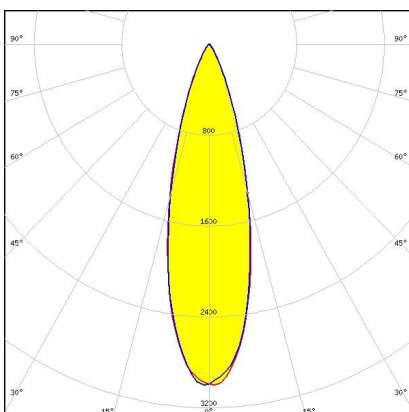
#### FA10342\_OSS-W



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.90 mm**

~50° wide beam optimized for Osram  
Golden Dragon+. Assembly with white  
holder.

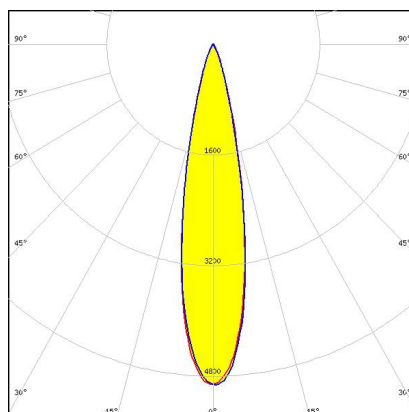
#### FA10676\_CMC-M



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 13.80 mm**

~30° medium beam optimized for CREE  
MC-E. Assembly with black holder.

#### FA11908\_CXM-SS



**Dimensions: 21.6 mm x 21.6 mm**  
**Height: 12.90 mm**

~15° smooth spot beam optimized for  
CREE XM-L. Assembly with white holder.

### 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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