

## EMILY-O-90

~10° x 45° oval beam. 14.97 mm high lens.  
Variant with beam direction rotated 90°.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 26.0 mm
Height	15 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
EMILY-O-90	Single lens	PMMA	clear	
SPUTNIK-TAPE	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11390_EMILY-O-90	Single lens	1690	260	130	10.6
» Box size: 480 x 280 x 300 mm					



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):

#### CREE LED

LED XP-E  
FWHM / FWTM 49.0 + 9.0° / 59.0 + 24.0°  
Efficiency 92 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE LED

LED XP-G  
FWHM / FWTM 44.0 + 10.0° / 58.0 + 24.0°  
Efficiency 92 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





#### LUMILEDS

LED LUXEON Rebel  
FWHM / FWTM 9.0 + 45.0° / 25.0 + 57.0°  
Efficiency 87 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### NICHIA

LED NCSxx19A  
FWHM / FWTM 44.0 + 10.0°  
Efficiency 87 %  
LEDs/each optic 1  
Light colour White  
Required components:

### PHOTOMETRIC DATA (MEASURED):

	
LED	NVSxx19A
FWHM / FWTM	44.0 + 12.0°
Efficiency	87 %
LEDs/each optic	1
Light colour	White
Required components:	
 <small>Osram Opto Semiconductors</small>	
LED	OSLON SSL 150
FWHM / FWTM	44.0 + 12.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	
 <small>Osram Opto Semiconductors</small>	
LED	OSLON SSL 80
FWHM / FWTM	44.0 + 10.0°
Efficiency	85 %
LEDs/each optic	1
Light colour	White
Required components:	
 <small>SEOUL SEMICONDUCTOR</small>	
LED	Z5
FWHM / FWTM	44.0 + 10.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

## PHOTOMETRIC DATA (MEASURED):

### SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	44.0 + 10.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: 10.0 + 46.0° / 24.0 + 62.0°            Efficiency: 92 %            Peak intensity: 4.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSCONIQ P 3030            FWHM / FWTM: 7.1 + 46.0° / 18.0 + 60.0°            Efficiency: 96 %            Peak intensity: 7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED: LH351B            FWHM / FWTM: 10.0 + 46.0° / 24.0 + 64.0°            Efficiency: 93 %            Peak intensity: 5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### 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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