

DBM REFLEX Lenses for High Power LEDs



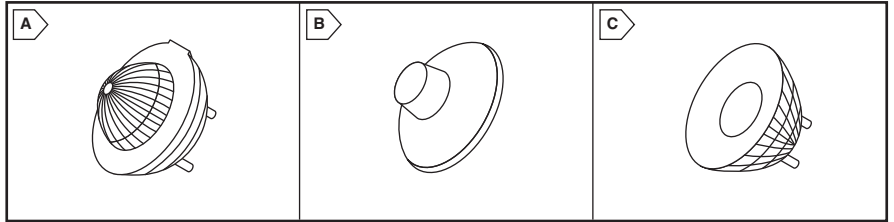
RoHS Compliant This product is RoHS compliant.

HI-POWER LEDs

LENSES FOR OSRAM - GOLDEN DRAGON

Specifications:

- Secondary optic for the Osram-Golden Dragon LEDs
- Optical grade PMMA lens material allows use of high current and temperature conditions
- Epoxy or Polyurethane adhesive can be used to fasten the lens to PCB
- Note - Not made to handle cyanoacrylate (superglue) adhesive



For quantities of 1000 and up, call for quote.

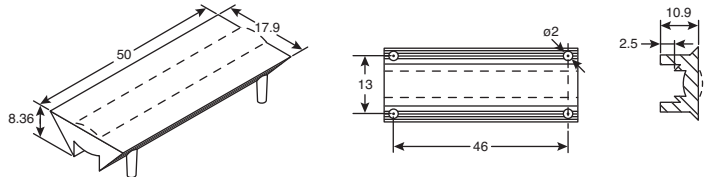
| MOUSER STOCK NO. | DBM Reflex Part No. | Fig. | Beam Type | Half Angle Divergence | Curve Type | Diameter | Material | Operating Temperature | Price Each | | | |
|------------------|---------------------|------|---------------|-----------------------|------------|----------|----------|-----------------------|------------|------|------|------|
| | | | | | | | | | 1 | 50 | 100 | 500 |
| 735-O-001 | O-001 | A | Wide | 29 deg | Flat | 13mm | PMMA HT | -40°C+110°C | 2.26 | 2.03 | 1.86 | 1.70 |
| 735-O-002 | O-002 | A | Very Narrow | 6 deg | Peak | 13mm | PMMA HT | -40°C+110°C | 2.26 | 2.03 | 1.86 | 1.70 |
| 735-O-002S | O-002s | A | Very Narrow | 6 deg | Peak | 13mm | PMMA HT | -40°C+110°C | 2.26 | 2.03 | 1.86 | 1.70 |
| 735-O-003 | O-003 | A | Medium | 16 deg | Peak | 13mm | PMMA HT | -40°C+110°C | 2.26 | 2.03 | 1.86 | 1.70 |
| 735-O-003S | O-003s | A | Medium | 18 deg | Flat | 13mm | PMMA HT | -40°C+110°C | 2.26 | 2.03 | 1.86 | 1.70 |
| 735-O-004 | O-004 | B | Side Emitting | -- | -- | 18mm | PMMA HT | -40°C+110°C | 2.26 | 2.03 | 1.86 | 1.70 |
| 735-O-005 | O-005 | C | Very Narrow | 6 deg | Peak/Flat | 14.5mm | PMMA | -40°C+90°C | 2.26 | 2.03 | 1.86 | 1.70 |
| 735-O-005S | O-005s | C | Very Narrow | 5 deg | Peak/Flat | 14.5mm | PMMA | -40°C+90°C | 2.26 | 2.03 | 1.86 | 1.70 |
| 735-O-006 | O-006 | C | Medium | 15 deg | Peak | 14.5mm | PMMA | -40°C+90°C | 2.26 | 2.03 | 1.86 | 1.70 |
| 735-O-007 | O-007 | C | Wide | 30 deg | Peak | 14.5mm | PMMA | -40°C+90°C | 2.26 | 2.03 | 1.86 | 1.70 |

LENSES FOR CITIZEN - ORION CL - L100

Specifications:

- Secondary optic for the Citizen CL-L100 LEDs
- Optical grade PMMA lens material allows use of high current and temperature conditions
- Epoxy or Polyurethane adhesive can be used to fasten the lens to PCB
- Note - Not made to handle cyanoacrylate (superglue) adhesive

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

| MOUSER STOCK NO. | DBM Reflex Part No. | Beam Type | Half Angle Divergence | Curve Type | Dimensions | Material | Operating Temperature | Price Each | | | |
|------------------|---------------------|-----------|-----------------------|------------|-------------|----------|-----------------------|------------|------|------|------|
| | | | | | | | | 1 | 50 | 100 | 500 |
| 735-C-001 | C-001 | Wide | 30 deg | Flat | 50mm x 17mm | PMMA HT | -40°C+110°C | 2.92 | 2.63 | 2.41 | 2.19 |
| 735-C-002 | C-002 | Narrow | 6 deg | Peak | 50mm x 17mm | PMMA HT | -40°C+110°C | 2.92 | 2.63 | 2.41 | 2.19 |
| 735-C-003 | C-003 | Medium | 15 deg | Flat | 50mm x 17mm | PMMA HT | -40°C+110°C | 2.92 | 2.63 | 2.41 | 2.19 |

LENSES FOR LUMILED - LUXEON REBEL

Specifications:

- Secondary optic for the Lumiled-Luxeon LEDs
- Optical grade PMMA lens material allows use of high current and temperature conditions
- Epoxy or Polyurethane adhesive can be used to fasten the lens to PCB
- Note - Not made to handle cyanoacrylate (superglue) adhesive

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

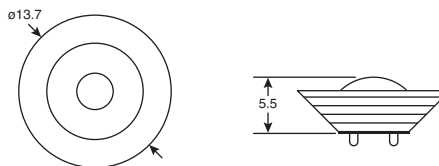
| MOUSER STOCK NO. | DBM Reflex Part No. | Beam Type | Half Angle Divergence | Curve Type | Diameter | Material | Operating Temperature | Price Each | | | |
|------------------|---------------------|---------------|-----------------------|------------|----------|-------------|-----------------------|------------|------|------|------|
| | | | | | | | | 1 | 50 | 100 | 500 |
| 735-R-001 | R-001 | Wide | 29 deg | Flat | 18mm | PMMA HT | -40°C+110°C | 2.32 | 2.09 | 1.91 | 1.74 |
| 735-R-001S | R-001s | Wide | 28 deg | Flat | 18mm | PMMA HT | -40°C+110°C | 2.32 | 2.09 | 1.91 | 1.74 |
| 735-R-002 | R-002 | Narrow | 11 deg | Peak | 18mm | PMMA HT 121 | -40°C+110°C | 2.32 | 2.09 | 1.91 | 1.74 |
| 735-R-003 | R-003 | Very Narrow | 5 deg | Peak | 18mm | PMMA HT 121 | -40°C+110°C | 2.32 | 2.09 | 1.91 | 1.74 |
| 735-R-003S | R-003s | Very Narrow | 7 deg | Peak | 18mm | PMMA HT 121 | -40°C+110°C | 2.32 | 2.09 | 1.91 | 1.74 |
| 735-R-004 | R-004 | Medium | 14 deg | Peak | 18mm | PMMA HT | -40°C+110°C | 2.32 | 2.09 | 1.91 | 1.74 |
| 735-R-004S | R-004s | Medium | 11 deg | Peak | 18mm | PMMA HT | -40°C+110°C | 2.32 | 2.09 | 1.91 | 1.74 |
| 735-R-005 | R-005 | Side Emitting | -- | -- | 18mm | PMMA HT | -40°C+110°C | 2.32 | 2.09 | 1.91 | 1.74 |

LENSES FOR NICHIA - NS6

Specifications:

- Secondary optic for the Nichia-NS6 LEDs
- Optical grade PMMA lens material allows use of high current and temperature conditions
- Epoxy or Polyurethane adhesive can be used to fasten the lens to PCB
- Note - Not made to handle cyanoacrylate (superglue) adhesive

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

| MOUSER STOCK NO. | DBM Reflex Part No. | Beam Type | Half Angle Divergence | Curve Type | Diameter | Material | Operating Temperature | Price Each | | | |
|------------------|---------------------|-----------|-----------------------|------------|----------|----------|-----------------------|------------|------|------|------|
| | | | | | | | | 1 | 50 | 100 | 500 |
| 735-N-001 | N-001 | Wide | 28 deg | Flat | 13.7mm | PMMA | -40°C+90°C | 2.26 | 2.03 | 1.86 | 1.70 |

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