

## 6.6 A Current Controlled Halogen - Reflector Lamps for Series Operation

### Areas of application

- Airfield Lighting



### Product features and benefits

- Low maintenance costs due to long lamp life
- Consistent light output over the life of the lamp
- Durable construction provides resistance to the effects of vibration
- IR radiation provides guidance in low visibility conditions and facilitates defrosting in cold climates
- FAA approved in conjunction with many OEM fixtures
- Dimmable
- Flicker-free operation
- Ability to reduce light output when needed
- Mercury-free

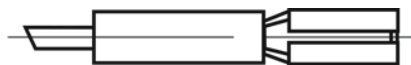




## Connector A, female

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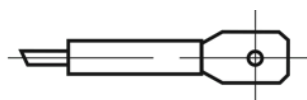
PK30d Connector A female



## Connector B, female round

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PK30d Connector B female round



## Connector C, male flat

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PK30d Connector C male flat

Product family datasheet

Technical data

| Product description | General Product Information |                                           |              |                        |
|---------------------|-----------------------------|-------------------------------------------|--------------|------------------------|
|                     | Product number (Americas)   | Product name (Americas)                   | Lamp type    | Global order reference |
| 64333 A 40-15       | 58899                       | 6.6A 40W MR11<br>64333A 20/CS 1/SKU       | SINGLE ENDED | 64333 A 40-15          |
| 64333 B 40-15       | 58889                       | 6.6A 40W MR11<br>64333B 20/CS 1/SKU       | SINGLE ENDED | 64333 B 40-15          |
| 64336 A 62-15       | 58493                       | 6.6A 62W MR16<br>64336A 20/CS 1/SKU       | SINGLE ENDED | 64336 A 62-15          |
| 64337 A 45-15       | 58907                       | 6.6A 45W MR16<br>64337A 45-15 20/CS 1/SKU | SINGLE ENDED | 64337 A 45-15          |
| 64337 B 45-15       | 58908                       | 6.6A 45W MR16<br>64337B 45-15 20/CS 1/SKU | SINGLE ENDED | 64337 B 45-15          |
| 64339 A 105-10      | 58953                       | 6.6A/105MR16/64339A 20/CS 1/SKU           | SINGLE ENDED | 64339 A 105-10         |
| 64333 C 40-15       | 4008321104885               | 6.6A 40W MR11<br>64333C 20/CS 1/SKU       |              | 64333 C 40-15          |
| 64337 A 48-15       | 58891                       | 6.6A 48W MR16<br>64337A 48-15 20/CS 1/SKU | SINGLE ENDED | 64337 A 48-15          |
| 64339 AC 105-10     | 58960                       | 6.6A 105W MR16<br>64339AC 20/CS 1/SKU     | SINGLE ENDED | 63339 AC 105-10        |
| 64337 B 48-15       | 4008321105226               | 6.6A 48W MR16<br>64337B 20/CS 1/SKU       |              | 64337 B 48-15          |
| 64337 C 48-15       | 4008321105240               | 6.6A 48W MR16<br>64337C 20/CS 1/SKU       |              | 64337 C 48-15          |
| 64339 B 105-10      | 4008321105462               | 6.6A 105W MR16<br>64339B 20/CS 1/SKU      | SINGLE ENDED | 64339 B 105-10         |
| 64339 C 105-10      | 58963                       | 6.6A 105W MR16<br>64339C 20/CS 1/SKU      | SINGLE ENDED | 64339 C 105-10         |
| 64338 AC 48-10      | 58894                       | 6.6A 48W MR16<br>64338AC 20/CS 1/SKU      | SINGLE ENDED | 64338 AC 48-10         |
| 64331 SP-A 30-10    | 58506                       | 6.6A 30W MR16<br>64331A SP 20/CS 1/SKU    |              | 64331 SP-A 30-10       |
| 64331 FL-A 30-10    | 58938                       | 6.6A 30MR16<br>64331AC FL 20/CS 1/SKU     | SINGLE ENDED | 64331 FL-AC 30W        |

| Product description | Electrical Data | Photometric Data      |                          |                   |
|---------------------|-----------------|-----------------------|--------------------------|-------------------|
|                     | Nominal wattage | Nominal luminous flux | Axial luminous intensity | Color temperature |
| 64333 A 40-15       | 40 W            | 10000 lm              | 12700 cd                 | 3400 K            |
| 64333 B 40-15       | 40 W            | 10000 lm              | 12700 cd                 | 3400 K            |
| 64336 A 62-15       | 62 W            | 28000 lm              | 31500 cd                 | 3250 K            |
| 64337 A 45-15       | 45 W            | 19000 lm              | 21000 cd                 | 3200 K            |

## Product family datasheet

| Product description | Electrical Data | Photometric Data      |                          |                   |
|---------------------|-----------------|-----------------------|--------------------------|-------------------|
|                     | Nominal wattage | Nominal luminous flux | Axial luminous intensity | Color temperature |
| 64337 B 45-15       | 45 W            | 19000 lm              | 21000 cd                 | 3200 K            |
| 64339 A 105-10      | 105 W           | 30000 lm              | 32000 cd                 | 3300 K            |
| 64333 C 40-15       | 40 W            | 10000 lm              | 12700 cd                 | 3400 K            |
| 64337 A 48-15       | 48 W            | 20000 lm              | 23000 cd                 | 3200 K            |
| 64339 AC 105-10     | 105 W           | 30000 lm              | 32000 cd                 | 3300 K            |
| 64337 B 48-15       | 48 W            | 20000 lm              | 23000 cd                 | 3200 K            |
| 64337 C 48-15       | 48 W            | 20000 lm              | 23000 cd                 | 3200 K            |
| 64339 B 105-10      | 105 W           | 30000 lm              | 32000 cd                 | 3300 K            |
| 64339 C 105-10      | 105 W           | 30000 lm              | 32000 cd                 | 3300 K            |
| 64338 AC 48-10      | 48 W            | 23000 lm              | 27000 cd                 | 3300 K            |
| 64331 SP-A 30-10    | 30 W            |                       | 18000 cd                 |                   |
| 64331 FL-A 30-10    | 30 W            |                       |                          |                   |

| Product description | Color rendering index<br>Ra | Physical Attributes & Dimensions |               |          |
|---------------------|-----------------------------|----------------------------------|---------------|----------|
|                     |                             | Lamp base                        | Diameter (in) | Diameter |
| 64333 A 40-15       | 100                         | Leads w/female flat connectors   | 1.390 in      | 35.3 mm  |
| 64333 B 40-15       | 100                         | Leads w/female round connector   | 1.390 in      | 35.3 mm  |
| 64336 A 62-15       | 100                         | Leads w/female flat connectors   | 1.984 in      | 50.4 mm  |
| 64337 A 45-15       | 100                         | Leads w/female flat connectors   | 1.984 in      | 50.4 mm  |
| 64337 B 45-15       | 100                         | Leads w/female round connector   | 1.984 in      | 50.4 mm  |
| 64339 A 105-10      | 100                         | Leads w/female flat connectors   | 1.984 in      | 50.4 mm  |
| 64333 C 40-15       |                             | Leads w/male flat connectors     |               | 35.3 mm  |
| 64337 A 48-15       | 100                         | Leads w/male flat connectors     | 1.984 in      | 50.4 mm  |
| 64339 AC 105-10     |                             | Leads w/male and female flat c   | 1.984 in      | 50.4 mm  |
| 64337 B 48-15       |                             | Leads w/female round connector   |               | 50.4 mm  |
| 64337 C 48-15       |                             | Leads w/male flat connectors     |               | 50.4 mm  |
| 64339 B 105-10      |                             | Leads w/female round connector   | 1.984 in      | 50.4 mm  |
| 64339 C 105-10      |                             | Leads w/male flat connectors     | 1.984 in      | 50.4 mm  |
| 64338 AC 48-10      | 100                         | Leads w/male and female flat c   | 1.984 in      | 50.2 mm  |
| 64331 SP-A 30-10    | 100                         | Leads w/female flat connectors   | 1.984 in      | 50.4 mm  |
| 64331 FL-A 30-10    | 100                         | Leads w/male and female flat c   | 1.984 in      | 50.4 mm  |

## Product family datasheet

| Product description | Diameter | Length  | Length with base<br>excl. base<br>pins/connection | Connector: presence |
|---------------------|----------|---------|---------------------------------------------------|---------------------|
| 64333 A 40-15       | 35.3 mm  | 35.0 mm | 37.00 mm                                          | Yes                 |
| 64333 B 40-15       | 35.3 mm  | 35.0 mm | 37.00 mm                                          | Yes                 |
| 64336 A 62-15       | 50.4 mm  | 45.0 mm | 45.00 mm                                          | Yes                 |
| 64337 A 45-15       | 50.4 mm  | 45.0 mm | 45.00 mm                                          | Yes                 |
| 64337 B 45-15       | 50.4 mm  | 45.0 mm | 45.00 mm                                          | Yes                 |
| 64339 A 105-10      | 50.4 mm  | 48.0 mm | 48.00 mm                                          | Yes                 |
| 64333 C 40-15       | 35.3 mm  | 35.0 mm | 37.00 mm                                          | Yes                 |
| 64337 A 48-15       | 50.4 mm  | 45.0 mm | 45.00 mm                                          | Yes                 |
| 64339 AC 105-10     | 50.4 mm  | 48.0 mm | 48.00 mm                                          | Yes                 |
| 64337 B 48-15       | 50.4 mm  | 45.0 mm | 45.00 mm                                          | Yes                 |
| 64337 C 48-15       | 50.4 mm  | 45.0 mm | 45.00 mm                                          | Yes                 |
| 64339 B 105-10      | 50.4 mm  | 48.0 mm | 48.00 mm                                          | Yes                 |
| 64339 C 105-10      | 50.4 mm  | 48.0 mm | 48.00 mm                                          | Yes                 |
| 64338 AC 48-10      | 50.2 mm  | 44.0 mm | 45.00 mm                                          | Yes                 |
| 64331 SP-A 30-10    | 50.4 mm  | 48.0 mm |                                                   | Yes                 |
| 64331 FL-A 30-10    | 50.4 mm  | 48.0 mm |                                                   | Yes                 |

| Product description | Connection with<br>cable | Mains<br>terminals                       | Product weight | Operating<br>Conditions |
|---------------------|--------------------------|------------------------------------------|----------------|-------------------------|
|                     |                          |                                          |                | Burning position        |
| 64333 A 40-15       | Yes                      | Leads<br>w/female<br>flat<br>connectors  | 15.00 g        | h45                     |
| 64333 B 40-15       | Yes                      | Leads<br>w/female<br>round<br>connectors | 15.00 g        | h45                     |
| 64336 A 62-15       | Yes                      | Leads<br>w/female<br>flat<br>connectors  | 15.00 g        | Horizontal              |
| 64337 A 45-15       | Yes                      | Leads<br>w/female<br>flat<br>connectors  | 31.00 g        | Horizontal              |
| 64337 B 45-15       | Yes                      | Leads<br>w/female<br>round<br>connectors | 31.00 g        | Horizontal              |
| 64339 A 105-10      | Yes                      | Leads<br>w/female<br>flat<br>connectors  | 31.10 g        | Horizontal              |
| 64333 C 40-15       | Yes                      | Leads<br>w/male flat<br>connectors       | 15.00 g        | h45                     |

## Product family datasheet

| Product description | Connection with cable | Mains terminals                         | Product weight | Operating Conditions |
|---------------------|-----------------------|-----------------------------------------|----------------|----------------------|
|                     |                       |                                         |                | Burning position     |
| 64337 A 48-15       | Yes                   | Leads w/female flat connectors          | 31.00 g        | Horizontal           |
| 64339 AC 105-10     | Yes                   | Leads w/male and female flat connectors | 31.10 g        | Horizontal           |
| 64337 B 48-15       | Yes                   | Leads w/female round connectors         | 31.00 g        | Horizontal           |
| 64337 C 48-15       | Yes                   | Leads w/male flat connectors            | 15.00 g        | Horizontal           |
| 64339 B 105-10      | Yes                   | Leads w/female round connectors         | 31.10 g        | Horizontal           |
| 64339 C 105-10      | Yes                   | Leads w/male flat connectors            | 31.10 g        | Horizontal           |
| 64338 AC 48-10      | Yes                   | Leads w/male and female flat connectors | 24.56 g        | Horizontal           |
| 64331 SP-A 30-10    | Yes                   | Leads w/female flat connectors          | 23.00 g        |                      |
| 64331 FL-A 30-10    | Yes                   |                                         | 25.00 g        |                      |

| Product description | Lifetime Data    | Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |                                    |
|---------------------|------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|
|                     | Nominal lifetime | Primary article identifier                                                                                      | Declaration no. in SCIP database   | Candidate list substance 1         |
| 64333 A 40-15       | 1500 hr          | 4008321166340                                                                                                   | No declarable substances contained | No declarable substances contained |
| 64333 B 40-15       | 1000 hr          | 4008321104731                                                                                                   | No declarable substances contained | No declarable substances contained |
| 64336 A 62-15       | 1500 hr          | 4008321186713                                                                                                   | No declarable substances contained | No declarable substances contained |
| 64337 A 45-15       | 1500 hr          | 4008321102515                                                                                                   | No declarable substances contained | No declarable substances contained |
| 64337 B 45-15       | 1500 hr          | 4008321104700                                                                                                   | No declarable substances contained | No declarable substances contained |

Product family datasheet

|                     | Lifetime Data    | Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006<br>(REACH) |                                    |                                    |
|---------------------|------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|
| Product description | Nominal lifetime | Primary article identifier                                                                                         | Declaration no. in SCIP database   | Candidate list substance 1         |
| 64339 A 105-10      | 1000 hr          | 4008321101600                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64333 C 40-15       | 1500 hr          | 4008321104885                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64337 A 48-15       | 1500 hr          | 4008321102737                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64339 AC 105-10     | 1000 hr          | 4008321105424                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64337 B 48-15       | 1500 hr          | 4008321105226                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64337 C 48-15       | 1500 hr          | 4008321105240                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64339 B 105-10      | 1000 hr          | 4008321105462                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64339 C 105-10      | 1000 hr          | 4008321105486                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64338 AC 48-10      | 1000 hr          | 4008321105301                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64331 SP-A 30-10    | 1000 hr          | 4008321102560                                                                                                      | No declarable substances contained | No declarable substances contained |
| 64331 FL-A 30-10    | 1000 hr          | 4008321102584                                                                                                      | No declarable substances contained | No declarable substances contained |

## Product family datasheet

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### Safety advice

To prevent personal injury or damage to property, halogen lamps may only be operated in suitable luminaires designed with suitable mechanisms (protective shields, grids, etc.) to ensure that in the event of a lamp bursting no parts/shards can escape and that during operation no ultraviolet radiation can escape. There must also be a warning sign to indicate that the lamps give off high levels of heat. Detailed information is available on request.

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### Application advice

For more detailed application information and graphics please see product datasheet.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.