

## 6.6 A Current Controlled Halogen - Pk30d Base Lamps for Series Operation

### Areas of application

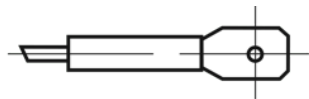
- Airfield Lighting



### 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

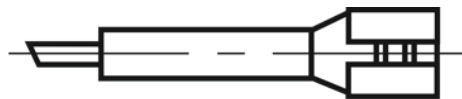




Connector C, male flat

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PK30d Connector C male flat



Connector A, female

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PK30d Connector A female

## Product family datasheet

### Technical data

|                      | General Product Information | Electrical Data |                 | Photometric Data      |
|----------------------|-----------------------------|-----------------|-----------------|-----------------------|
| Product description  | LIF code                    | Nominal wattage | Nominal voltage | Nominal luminous flux |
| 64319 Z/C 45-15      | -                           | 45 W            | 6.8 V           | 800 lm                |
| 64317 C 45-15        | J1/76                       | 45 W            | 6.8 V           | 800 lm                |
| 64318 A 45-15        | J1/77                       | 45 W            | 6.8 V           | 800 lm                |
| 64328 HLX-A 65-15    | -                           | 65 W            | 9.8 V           | 1450 lm               |
| 64328 HLX-Z/C 65-15  | -                           | 65 W            | 9.8 V           | 1450 lm               |
| 64341 HLX-A 100-15   | J1/79                       | 100 W           | 15.2 V          | 2700 lm               |
| 64341 HLX-Z/C 100-15 | J1/79                       | 100 W           | 15.2 V          | 2700 lm               |
| 64342 HLX-C 100-15   | J1/80                       | 100 W           | 15.2 V          | 2700 lm               |
| 64361 HLX-A150-15    | J1/83                       | 150 W           | 22.7 V          | 3600 lm               |
| 64361 HLX-Z/C150-15  | J1/83                       | 150 W           | 22.7 V          | 3600 lm               |
| 64382 HLX-A 200-15   | J1/84                       | 200 W           | 30.3 V          | 4800 lm               |
| 64318 Z/C 45-15      | J1/77                       | 45 W            | 6.8 V           | 800 lm                |
| 64319 A 45-15        | -                           | 45 W            | 6.8 V           | 800 lm                |
| 64382 HLX-C 200-15   | J1/84                       | 200 W           | 30.3 V          | 4800 lm               |

|                      |                   |                           |                                  | Physical Attributes & Dimensions |
|----------------------|-------------------|---------------------------|----------------------------------|----------------------------------|
| Product description  | Color temperature | Light center length (LCL) | Light center length (LCL) - (in) | Lamp base                        |
| 64319 Z/C 45-15      | 3000 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |
| 64317 C 45-15        | 3000 K            | 16.0 mm                   | 0.63 in                          | PK30d                            |
| 64318 A 45-15        | 3000 K            | 16.0 mm                   | 0.63 in                          | PK30d                            |
| 64328 HLX-A 65-15    | 3050 K            | 20.0 mm                   |                                  | PK30d                            |
| 64328 HLX-Z/C 65-15  | 3050 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |
| 64341 HLX-A 100-15   | 3150 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |
| 64341 HLX-Z/C 100-15 | 3150 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |
| 64342 HLX-C 100-15   | 3150 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |
| 64361 HLX-A150-15    | 3100 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |
| 64361 HLX-Z/C150-15  | 3100 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |
| 64382 HLX-A 200-15   | 3100 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |
| 64318 Z/C 45-15      | 3000 K            | 16.0 mm                   | 0.63 in                          | PK30d                            |
| 64319 A 45-15        | 3000 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |
| 64382 HLX-C 200-15   | 3100 K            | 20.0 mm                   | 0.787 in                         | PK30d                            |

| Product description | Diameter | Diameter | Diameter (in) | Length  |
|---------------------|----------|----------|---------------|---------|
| 64319 Z/C 45-15     | 13.5 mm  | 13.5 mm  | 0.531 in      | 50.0 mm |
| 64317 C 45-15       | 13.5 mm  | 13.5 mm  | 0.531 in      | 56.0 mm |
| 64318 A 45-15       | 13.5 mm  | 13.5 mm  | 0.531 in      | 50.0 mm |
| 64328 HLX-A 65-15   | 13.5 mm  | 13.5 mm  |               | 48.0 mm |

## Product family datasheet

| Product description  | Diameter | Diameter | Diameter (in) | Length  |
|----------------------|----------|----------|---------------|---------|
| 64328 HLX-Z/C 65-15  | 13.5 mm  | 13.5 mm  | 0.531 in      | 48.0 mm |
| 64341 HLX-A 100-15   | 13.5 mm  | 13.5 mm  | 0.531 in      | 48.0 mm |
| 64341 HLX-Z/C 100-15 | 13.5 mm  | 13.5 mm  | 0.531 in      | 48.0 mm |
| 64342 HLX-C 100-15   | 13.5 mm  | 13.5 mm  | 0.531 in      | 56.0 mm |
| 64361 HLX-A150-15    | 13.5 mm  | 13.5 mm  | 0.531 in      | 50.0 mm |
| 64361 HLX-Z/C150-15  | 13.5 mm  | 13.5 mm  | 0.531 in      | 50.0 mm |
| 64382 HLX-A 200-15   | 13.5 mm  | 13.5 mm  | 0.531 in      | 57.0 mm |
| 64318 Z/C 45-15      | 13.5 mm  | 13.5 mm  | 0.531 in      | 50.0 mm |
| 64319 A 45-15        | 13.5 mm  | 13.5 mm  | 0.531 in      | 50.0 mm |
| 64382 HLX-C 200-15   | 13.5 mm  | 13.5 mm  | 0.531 in      | 57.0 mm |

| Product description  | Length with base<br>excl. base<br>pins/connection | Connector: presence | Product weight | Operating<br>Conditions |
|----------------------|---------------------------------------------------|---------------------|----------------|-------------------------|
|                      |                                                   |                     |                | Burning position        |
| 64319 Z/C 45-15      | 32.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64317 C 45-15        | 36.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64318 A 45-15        | 30.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64328 HLX-A 65-15    | 36.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64328 HLX-Z/C 65-15  | 32.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64341 HLX-A 100-15   | 35.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64341 HLX-Z/C 100-15 | 35.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64342 HLX-C 100-15   | 40.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64361 HLX-A150-15    | 35.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64361 HLX-Z/C150-15  | 35.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64382 HLX-A 200-15   | 36.00 mm                                          | Yes                 | 14.50 g        | s90 <sup>1)</sup>       |
| 64318 Z/C 45-15      | 30.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64319 A 45-15        | 32.00 mm                                          | Yes                 | 14.50 g        | s90                     |
| 64382 HLX-C 200-15   | 36.00 mm                                          | Yes                 | 15.60 g        | s90                     |

| Product description | Lifetime Data    | Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006<br>(REACH) |                                       |                               |
|---------------------|------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|
|                     | Nominal lifetime | Primary article<br>identifier                                                                                      | Declaration no. in<br>SCIP database   | Candidate list<br>substance 1 |
| 64319 Z/C 45-15     | 1500 hr          | 4008321345578                                                                                                      | 92d8f454-cc96-4495-94ef-e05e11f45f17  | Lead                          |
| 64317 C 45-15       | 1500 hr          | 4008321345493                                                                                                      | d9e66819-e040-4c44-bee8-4fccca5312c8c | Lead                          |
| 64318 A 45-15       | 1500 hr          | 4008321345516                                                                                                      | ca26f0b4-6740-4bdb-a32d-7141568d2f95  | Lead                          |
| 64328 HLX-A 65-15   | 1500 hr          | 4008321345592                                                                                                      | 7b45910a-859c-4e0f-92af-6a2767687bd8  | Lead                          |

Product family datasheet

|                      | Lifetime Data    | Environmental & Regulatory Information<br>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                      |                            |
|----------------------|------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------|
| Product description  | Nominal lifetime | Primary article identifier                                                                                      | Declaration no. in SCIP database     | Candidate list substance 1 |
| 64328 HLX-Z/C 65-15  | 1500 hr          | 4008321345615                                                                                                   | 9ff014be-6b0f-4492-a2bc-1b13a5231d98 | Lead                       |
| 64341 HLX-A 100-15   | 1500 hr          | 4008321345639                                                                                                   | 295ed5f7-e593-41fd-8379-aabc1761b8d4 | Lead                       |
| 64341 HLX-Z/C 100-15 | 1500 hr          | 4008321345653                                                                                                   | e7a8bc3b-5fc6-4418-aeba-14334908408b | Lead                       |
| 64342 HLX-C 100-15   | 1500 hr          | 4008321345677                                                                                                   | df9336c6-f6aa-4cf0-a57f-d26ee6b412c0 | Lead                       |
| 64361 HLX-A150-15    | 1500 hr          | 4008321345691                                                                                                   | d0b74040-bc55-40f6-8ef2-40462d44a388 | Lead                       |
| 64361 HLX-Z/C150-15  | 1500 hr          | 4008321345714                                                                                                   | 6c568582-5ec0-420c-8707-25bfc628d83c | Lead                       |
| 64382 HLX-A 200-15   | 1500 hr          | 4008321345738                                                                                                   | bc021249-e7ad-4bcc-9af4-d2a7618c3637 | Lead                       |
| 64318 Z/C 45-15      | 1500 hr          | 4008321345530                                                                                                   | 4a7f4d00-b3f6-4ff5-9dab-8b40cfc83462 | Lead                       |
| 64319 A 45-15        | 1500 hr          | 4008321345554                                                                                                   | b8092497-ad76-46a4-8f7f-7cd4786ab142 | Lead                       |
| 64382 HLX-C 200-15   | 1500 hr          | 4008321345752                                                                                                   | 2af12407-76cf-479d-a022-f57985523da4 | Lead                       |

| Product description | CAS No. of substance 1 | Safe use instruction                                                                               |
|---------------------|------------------------|----------------------------------------------------------------------------------------------------|
| 64319 Z/C 45-15     | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64317 C 45-15       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64318 A 45-15       | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

## Product family datasheet

| Product description  | CAS No. of substance<br>1 | Safe use instruction                                                                               |
|----------------------|---------------------------|----------------------------------------------------------------------------------------------------|
| 64328 HLX-A 65-15    | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64328 HLX-Z/C 65-15  | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64341 HLX-A 100-15   | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64341 HLX-Z/C 100-15 | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64342 HLX-C 100-15   | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64361 HLX-A150-15    | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64361 HLX-Z/C150-15  | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64382 HLX-A 200-15   | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64318 Z/C 45-15      | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

Product family datasheet

| Product description | CAS No. of substance<br>1 | Safe use instruction                                                                               |
|---------------------|---------------------------|----------------------------------------------------------------------------------------------------|
| 64319 A 45-15       | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |
| 64382 HLX-C 200-15  | 7439-92-1                 | The identification of the Candidate List substance is sufficient to allow safe use of the article. |

1) Despite transverse filament, can be inclined at any angle in s90 position

## 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.