# ReachElite eW Powercore

## ReachElite High Punch Powercore, eW 300, 4000 K, 100 to 277 VAC, 2.6°, Native (no spread lens), UL/cUL, CE, CQC

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ReachElite is a premium exterior long-throw luminaire designed to light large-scale outdoor structures ranging from bridges and facades to monuments and skyscrapers. Powerful enough to hit targets up to 970 m (3,210 ft) away with the 300 W luminaire, ReachElite raises the bar for optic quality in LED lighting. What sets ReachElite apart from the competition is its efficiency, high punch and adaptability. ReachElite delivers high-quality white light exactly where you want it, making it incredibly efficient in terms of light distribution. With a native beam angle under 3°, ReachElite introduces a new level of precision and punch to the premium exterior LED luminaire market.

## Product data

### General information

| | |
|---|---|
| Lamp family code | LED-HB [ LED High Brightness] |
| Light source colour | Cool white |
| Light source replaceable | No |
| Driver included | Yes |
| Optic type | NB [ Narrow beam] |
| Optical cover/lens type | GT [ Tempered glass] |
| CE mark | CE mark |
| UL mark | UL and cUL mark |

| | |
|---|---|
| Warranty period | 5 years |

### Light technical

| | |
|---|---|
| Efficacy (lm/W) @ 2,700 K | 60.3 lm/W |

### Operating and electrical

| | |
|---|---|
| Input Voltage | 100 to 277 V |
| Input frequency | 50 to 60 Hz |

# ReachElite eW Powercore

## Mechanical and housing

| | |
|---|---|
| Housing material | Aluminum die-cast |
| Optic material | Glass |
| Optical cover/lens material | Tempered glass |
| Optical cover/lens shape | Flat |
| Optical cover/lens finish | Clear |
| Colour | Black |

## Approval and application

| | |
|---|---|
| Ingress protection code | IP66 [ Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK09 [ 10 J] |
| Surge protection (common/differential) | Surge protection level until 4 kV |
| Vibration standard | Complies with ANSI C136.31, 3G |
| Vibration rating | Complies with ANSI C136.31, 3G |

## Initial performance (IEC compliant)

| | |
|---|---|
| Initial luminous flux (system flux) | 17700 lm |
| Initial luminous flux at colour temperature of 4,000 K | 17700 lm |
| Initial LED luminaire efficacy | 60.3 lm/W |
| Init. Corr. Colour Temperature | 4000 K |
| Initial input power | 300 W |

## Over time performance (IEC compliant)

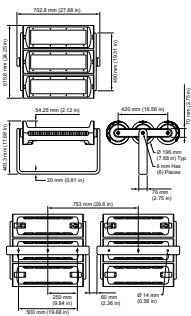| | |
|---|---|
| Lumen Maintenance 50% at 25 °C Calculated | 100000 |
| Lumen Maintenance 50% at 25 °C Reported | 72000 |
| Lumen Maintenance 50% at 50 °C Calculated | 100000 |
| Lumen Maintenance 50% at 50 °C Reported | 72000 |
| Lumen Maintenance 70% at 25 °C Calculated | 53800 |
| Lumen Maintenance 70% at 25 °C Reported | 53800 |
| Lumen Maintenance 70% at 50 °C Calculated | 53800 |
| Lumen Maintenance 70% at 50 °C Reported | 53800 |
| Lumen Maintenance 80% at 25 °C Calculated | 32700 |
| Lumen Maintenance 80% at 25 °C Reported | 28600 |
| Lumen Maintenance 80% at 50 °C Calculated | 32700 |
| Lumen Maintenance 80% at 50 °C Reported | 32700 |
| Lumen Maintenance 90% at 25 °C Calculated | 14200 |
| Lumen Maintenance 90% at 25 °C Reported | 14200 |
| Lumen Maintenance 90% at 50 °C Calculated | 14200 |
| Lumen Maintenance 90% at 50 °C Reported | 14200 |

## Application conditions

| | |
|---|---|
| Ambient temperature range | -40 to +50 °C |

## Product data

| | |
|---|---|
| Full product code | 871869921987100 |
| Order product name | DCP773 108xLED-HB/4000K |
| EAN/UPC - product | 8718699219871 |
| Order code | 523-000303-03 |
| SAP numerator - quantity per pack | 1 |
| Numerator - packs per outer box | 1 |
| SAP material | 912400135526 |
| Net Weight (Piece) | 41.000 kg |
| Commercial Code | 523-000303-03 |
| Catalogue number description | ReachElite High Punch Powercore, eW 300, 4000 K, 100 to 277 VAC, 2.6°, Native (no spread lens), UL/cUL, CE, CQC |

IP 66  IK 09

## Dimensional drawing



**DCP773 108xLED-HB/4000K**

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