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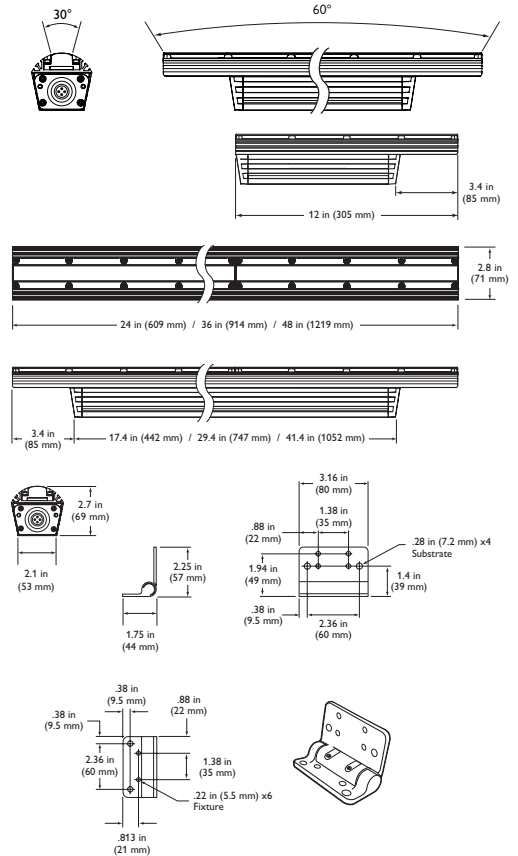
# iW Graze Powercore

30° x 60° beam angle

## High-performance surface lighting with variable color temperature

iW Graze Powercore linear LED fixtures are optimized for surface grazing, wash lighting, and efficient signage illumination. iW Graze Powercore fixtures combine channels of cool and warm white LEDs to offer color temperatures ranging from 2700 K – 6500 K. With the operational efficiency and cost-effectiveness of Powercore technology, and a low-profile multi-positional housing, iW Graze Powercore offers both superior performance and simple installation.

- Integrates patented Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to iW Graze Powercore fixtures directly from line voltage. The Philips Data Enabler Pro merges line voltage and control data and delivers them to the fixture over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Tailor light output to specific applications — Available in 1 ft (305 mm), 2 ft (610 mm), 3 ft (914 mm), and 4 ft (1219 mm) lengths, with 10° x 60° and 30° x 60° beam angle options. Superior beam quality offers uniform beam saturation as close as 6 in (152 mm), and a wide horizontal beam angle allows a range of fixture spacing options.
- Versatile installation options — Constant-torque locking hinges offer simple and consistent position control from various angles. The space-efficient, low-profile aluminum housing accommodates placement within most architectural niches.
- Industry-leading controls — iW Graze Powercore works seamlessly with the complete line of Philips controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, as well as third-party controllers.
- Universal power input range — iW Graze Powercore accepts power input of 100 to 240 VAC, allowing consistent installation in any location around the world. Depending on input



voltage, a single Data Enabler Pro can support up to 56 iW Graze Powercore fixtures in a single run.

- Outdoor rated — With an extruded, anodized aluminum housing fully sealed for maximum fixture life and IP66-rated for outdoor applications, iW Graze Powercore is ideal for use in damp or wet locations.

For detailed product information, please refer to the iW Blast Powercore Product Guide at [www.colorkinetics.com/ls/intelliwhite/iwgrazepec/](http://www.colorkinetics.com/ls/intelliwhite/iwgrazepec/)



# Specifications

Due to continuous improvements and innovations, specifications may change without notice.

| Item        | Specification   | 1 ft (305 mm)   | 2 ft (610 mm)                           | 3 ft (914 mm)   | 4 ft (1219 mm)                           |
|-------------|---|---|---|---|--|
| Output      | Color Temperature*  | 2700 K – 6500 K   |   |   |  |
|             | Lumens†   | 511 (1 ft length)   |   |   |  |
|             | Efficacy (lm / W)   | 22.4 (1 ft length)  |   |   |  |
|             | Lumen Maintenance‡  | 50,000 hours L50 @ 25° C (typical application)  |   |   |  |
| Electrical  | Input Voltage   | 100 – 240 VAC, auto-switching, 50 / 60 Hz   |   |   |  |
|             | Power Consumption<br><i>max. at full output, steady state</i> | 17.5 W  | 35 W                                    | 52.5 W  | 70 W                                     |
| Control     | Interface   | Data Enabler Pro (DMX / Ethernet)   |   |   |  |
| Physical    | Dimensions<br>(Height x Width x Depth)                        | 2.7 x 12 x 2.8 in<br>(69 x 305 x 71 mm)   | 2.7 x 24 x 2.8 in<br>(69 x 610 x 71 mm) | 2.7 x 36 x 2.8 in<br>(69 x 914 x 71 mm)   | 2.7 x 48 x 2.8 in<br>(69 x 1219 x 71 mm) |
|             | Weight  | 1.99 lb (0.9 kg)  | 4.9 lb (2.2 kg)                         | 8.1 lb (3.6 kg)   | 10.8 lb (4.9 kg)                         |
|             | Housing   | Extruded anodized aluminum  |   |   |  |
|             | Lens  | Clear polycarbonate with holographic film diffuser  |   |   |  |
|             | Fixture Connectors  | Integral male / female waterproof connectors  |   |   |  |
|             | Mounting  | Multi-positional, constant torque locking hinges  |   |   |  |
|             | Temperature Ranges  | -40° – 122° F (-40° – 50° C) Operating<br>-4° – 122° F (-20° – 50° C) Startup<br>-40° – 176° F (-40° – 80° C) Storage |   |   |  |
|             | Humidity  | 0 – 95%, non-condensing   |   |   |  |
|             | Maximum Fixture Run Lengths§                                  | 65 ft (19.8 m) @ 100 VAC<br>90 ft (27.4 m) @ 120 VAC<br>160 ft (48.7 m) @ 240 VAC                                     |   | Configuration:<br>Fixtures installed end-to-end, 20 A circuit, standard 50 ft (15.2 m) Leader Cable |  |
|             | Certification and Safety                                      | Certification   | UL / cUL, FCC Class A, CE, C-Tick       |   |  |
| Environment |   | Dry / Damp / Wet Location, IP66   |   |   |  |

\* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.

† Lumen measurement complies with IES LM-79-08 testing procedures.

‡ L70 = 70% maintenance of lumen output (when light output drops below 70% of initial output). Ambient temperature specified.

§ These figures, provided as a guideline, are accurate for this configuration only. Changing the configuration can affect the run lengths.



# Fixtures and Accessories

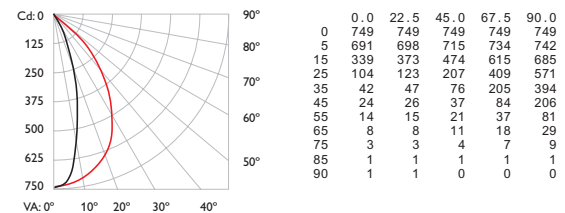
| Item                   | Type  | Item Number    | Philips 12NC               |
|------------------------|---|----------------|----------------------------|
| iW Graze Powercore     | 30° x 60° beam angle                        | 1 ft (305 mm)  | 523-000053-12 910503700964 |
|                        |   | 2 ft (610 mm)  | 523-000053-13 910503700965 |
|                        |   | 3 ft (914 mm)  | 523-000053-14 910503700966 |
|                        |   | 4 ft (1219 mm) | 523-000053-15 910503700967 |
| Leader Cable           | UL / cUL                                    | 50 ft (15.2 m) | 108-000042-00 910503700322 |
|                        | CE  |                | 108-000042-01 910503700323 |
| Jumper Cable           | UL / cUL                                    | End-to-end     | 108-000039-00 910503700314 |
|                        |   | 1 ft (305 mm)  | 108-000039-01 910503700315 |
|                        |   | 5 ft (1.5 m)   | 108-000039-02 910503700316 |
|                        | CE  | End-to-end     | 108-000040-00 910503700317 |
|                        |   | 1 ft (305 mm)  | 108-000040-01 910503700318 |
|                        |   | 5 ft (1.5 m)   | 108-000040-02 910503700319 |
| Glare Shield           |   | 1 ft (305 mm)  | 120-000081-00 910503700745 |
|                        |   | 2 ft (610 mm)  | 120-000081-01 910503700746 |
|                        |   | 3 ft (914 mm)  | 120-000081-02 910503700747 |
|                        |   | 4 ft (1.2 m)   | 120-000081-03 910503700748 |
| Additional Terminators | Quantity 10                                 | 120-000074-00  | 910503700580               |
| Additional Hinge       | Quantity 1                                  | 120-000098-00  | 910503700772               |
| Data Enabler Pro       | 3/4 in / 1/2 in NPT (US trade size conduit) | 106-000004-00  | 910503701210               |
|                        | PG21 / PG13 (metric size conduit)           | 106-000004-01  | 910503701211               |

Use Item Number when ordering in North America.

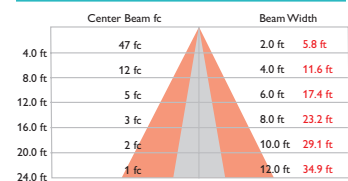
# Photometrics

1 ft (305 mm) length, 30° x 60° beam angle

## Polar Candela Distribution



## Illuminance at Distance



27.4 ft (8.4 m) 1 fc maximum distance

Vert. Spread: 28.1°  
Horiz. Spread: 72.0°

|          |             |
|----------|-------------|
| Lumens   | 511         |
| Efficacy | 22.4 lm / W |

For lux multiply fc by 10.7



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