

Φ Ω Σ Modern | Directional | Unique

Modern

With its sleek, sophisticated styling and beautifully machined LED housing, the PHOS range looks great whether on or off. The refined design merges cutting-edge technology and elegance to create clean, low-energy light ranging from 20 to 60 LEDs to suit every application.

Directional

At [Highway Components](#) we can create lighting schemes that make outdoor spaces incredible using the latest lighting design software. The flexibility of the 0 - 20° angling and the option of either medium or the wider-angle large beam means that the possibilities are endless.

Unique

The PHOS RANGE can be fitted with 6 versatile LED optics suitable for Road, Path and Area illumination; each with a variety of outputs depending on application. Ranging from 10 - 72 LEDs with outputs from 350 - 525 - 700mA with 2 standard colour temperatures; 3000K & 4000K.



PHOS PLUS | Technical Data

230V 50Hz Scx: 0.25m² max | 3.5kg - Class II

Features and Benefits:

- ▶ Variable mounting options; Pole-top or Arm-mount, adjustable from 0 to 20° angle.
- ▶ With options from 20 - 60 LEDs in one housing to suit broad area illumination
- ▶ Available in 2 light distributions; Medium Beam (L/H=1) & Large Beam (L/H=1.25)
- ▶ Suitable for a range of applications including Street and Area optics
- ▶ Light-weight construction (3.5kg) to suit a variety of wind conditions at various heights
- ▶ Class II, In-built over-voltage protection system upto 6kV (TMOV)
- ▶ Automatic isolation of power supply during maintenance makes maintenance safe.
- ▶ PHOS Range comes with 5 year warranty

Range of Light Classes

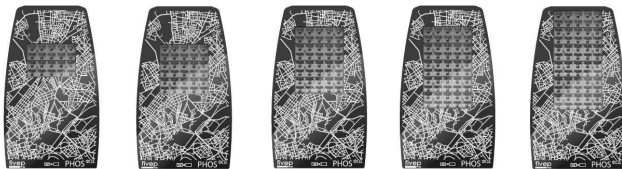
ME Comprehensive Range

Colour Characteristics Options

3000K or 4000K

Colour rendering Index (CRI) >70

Light Source & Power



High-Quality CREE™ White LED

4000K

20 LED (40 Watts)	4,270lm
30 LED (60 Watts)	6,400lm
40 LED (80 Watts)	8,530lm
50 LED (100 Watts)	10,670lm
60 LED (120 Watts)	12,800lm

3000K

20 LED (40 Watts)	2,930lm
30 LED (60 Watts)	4,380lm
40 LED (80 Watts)	5,850lm
50 LED (100 Watts)	7,310lm
60 LED (120 Watts)	8,770lm

Available Options: 350, 525 & 700mA

Maintenance

Simple - Tool-Free design - Clip release

Safe - Electrical supply isolated during maintenance

Fast - Top-mounted electronics access

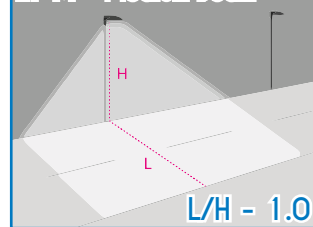
Mounting Options

Direct Entry: 46, 60 & 76mm Ø

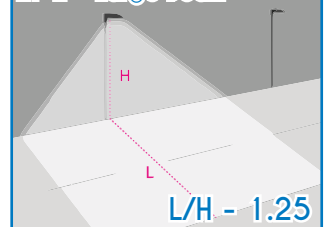
Side Entry: 60mm Ø

Suggested Pole Height for Mounting*

LT-M - Medium Beam



LT-L - Large Beam



Materials

Housing	Die-Cast Aluminium, AB46100
Finishing	Phosphor-Chromium Plated
Seals	Silicone (Glass) & Rubber (Electronics)
Glazing	5mm Toughened Safety Glass

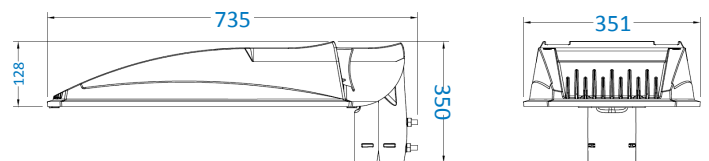
Housing Colour Options

Metallic Light Grey	RAL9006
Metallic Dark Grey	Sable 100

Control Driver Options

Photometric Cell (Dusk-till-Dawn)
Pre-Programmed Selector System
Self-Learning DYNADIM™ System
Centralised 24/7 Monitor & Control System

Dimensions



*Actual height depends on desired light distribution & application. Please enquire for guidance

KAI RANGE | LED

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cariboni group

