

# HELIOS AFX 1 Module

CE UK CA IK08 IP66



LP4036.861-EN-T1-700-840-EN-C1



[T1]

Type I, Asymmetric,  
Side throw

## Variant

|                        |               |
|------------------------|---------------|
| Light distribution     | [T1] 111x48°  |
| Delivered lumens flux  | 3750 lm       |
| Rated input power      | 35 W          |
| Colour temperature     | 4000 K CRI 80 |
| Luminaire efficacy     | 107 lm/W      |
| Lamp                   | 16 LED        |
| MacAdam Ellipse        | 4 SDCM        |
| BUG rating             | B2-U0-G1      |
| Lifetime L90B50 (hour) | >102,000      |
| Lifetime L80B50 (hour) | >102,000      |

## Options

## Technical information

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Mounting                 | Direct pole or side bracket mountable. Spigot: Ø60 mm x 100 mm            |
| Housing                  | Corrosion resistant, marine grade aluminum housing                        |
| Finishing                | Chromate conversion pretreatment followed by electrostatic powder coating |
| Fasteners                | Stainless steel (AISI 304 / EN 1.4301 grade)                              |
| Gasket                   | Silicone                                                                  |
| Lens / Reflector         | PMMA lens with high optical efficiency                                    |
| Glass / Diffuser         | Custom Design PMMA Diffuser                                               |
| Impact protection        | IK08                                                                      |
| Ingress protection       | IP66                                                                      |
| Input voltage            | 220-240V 50/60Hz                                                          |
| Insulation class         | Class I                                                                   |
| Wind catching area (EPA) | 0.24 m <sup>2</sup>                                                       |
| Weight                   | 4.86 kg                                                                   |
| LED module               | High power LEDs on metal-core PCB                                         |
| Driver                   | Internal LED driver                                                       |
| Driver surge protection  | 10/6 kV                                                                   |
| Power factor             | > 0.95                                                                    |
| Through wiring           | Single cable entry                                                        |
| Operating temperature    | -40...50°C                                                                |
| Cable                    | 0.5 m of flexible cable                                                   |
| Packing box dimensions   | 50*50*103 cm                                                              |

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We reserve the right to change specifications without prior written notice. Edition: 04.05.2024.  
For current version visit [heperlighting.com](http://heperlighting.com). All flux (±7% tolerance) and power values (±10% tolerance) are derived following appropriate IES, CIE, and applicable standards.

## Poles (To be ordered separately)

### Conical aluminum poles with flange plate



| Product code | Height           | Diameter / Dimensions | Spigot diameter |
|--------------|------------------|-----------------------|-----------------|
| PAFK.D114    | 3m, 4m, 5m m     | Ø114mm                | Ø60mm, Ø76mm mm |
| PAFK.D122    | 4m, 5m, 6m m     | Ø122mm                | Ø60mm, Ø76mm mm |
| PAFK.D148    | 6m, 7m, 8m m     | Ø148mm                | Ø60mm, Ø76mm mm |
| PAFK.D165    | 6m, 7m, 8m, 9m m | Ø165mm                | Ø76mm, Ø90mm mm |
| PAFK.D180    | 10m, 8m, 9m m    | Ø180mm                | Ø76mm, Ø90mm mm |
| PAFK.D200    | 10m, 11m, 12m m  | Ø200mm                | Ø76mm, Ø90mm mm |

### Conical aluminum poles with embedded base



| Product code | Height           | Diameter / Dimensions | Spigot diameter |
|--------------|------------------|-----------------------|-----------------|
| PABK.D114    | 3m, 4m, 5m m     | Ø114mm                | Ø60mm, Ø76mm mm |
| PABK.D122    | 4m, 5m, 6m, 7m m | Ø122mm                | Ø60mm, Ø76mm mm |
| PABK.D148    | 6m, 7m, 8m m     | Ø148mm                | Ø60mm, Ø76mm mm |
| PABK.D165    | 6m, 7m, 8m, 9m m | Ø165mm                | Ø76mm, Ø90mm mm |
| PABK.D180    | 10m, 8m, 9m m    | Ø180mm                | Ø76mm, Ø90mm mm |
| PABK.D200    | 10m, 11m, 12m m  | Ø200mm                | Ø76mm, Ø90mm mm |

### Cylindrical aluminum poles with flange plate



| Product code | Height           | Diameter / Dimensions | Spigot diameter |
|--------------|------------------|-----------------------|-----------------|
| PAFC.D114    | 3m, 4m, 5m m     | Ø114mm                | Ø114mm mm       |
| PAFC.D122    | 3m, 4m, 5m, 6m m | Ø122mm                | Ø122mm mm       |
| PAFC.D148    | 6m, 7m, 8m m     | Ø148mm                | Ø148mm mm       |
| PAFC.D165    | 6m, 7m, 8m, 9m m | Ø165mm                | Ø165mm mm       |

|                                                |  |             |  |                 |  |
|------------------------------------------------|--|-------------|--|-----------------|--|
| <b>Project name</b>                            |  | <b>Type</b> |  | <b>Quantity</b> |  |
| <b>Date</b>                                    |  | <b>Note</b> |  |                 |  |
| <b>LP4036.861-EN-T1-700-840-__-EN-C1-__-__</b> |  |             |  |                 |  |

| Light distribution                                                                    | Rated input power    | Colour temperature            | Control                  | Product colours                                                                                                                               |
|---------------------------------------------------------------------------------------|----------------------|-------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[T1]</b><br>Type I, Asymmetric,<br>Side throw - 111x48°                            | <b>[700]</b><br>35 W | <b>[840]</b><br>4000 K CRI 80 | <b>[ONOFF]</b><br>On/Off | <b>[HM1]</b><br>Black                                      |
| <b>[P4]</b><br>Special pedestrian<br>road distribution-right<br>side traffic - 20x78° | <b>[350]</b><br>18 W | <b>[827]</b><br>2700 K CRI 80 | <b>[DALI]</b><br>DALI    | <b>[HM2]</b><br>Dark grey                                  |
| <b>[T2]</b><br>Type II, Asymmetric,<br>Side throw - 133x48°                           | <b>[500]</b><br>25 W | <b>[830]</b><br>3000 K CRI 80 | <b>[AUTO]</b><br>AutoDIM | <b>[HM3]</b><br>Anthracite grey                            |
| <b>[T2]</b><br>Type II, Asymmetric,<br>Side throw - 149x54°                           |                      | <b>[740]</b><br>4000 K CRI 70 | <b>[STEP]</b><br>StepDIM | <b>[HM4]</b><br>Light grey                                 |
| <b>[T3]</b><br>Type III, Asymmetric,<br>Side throw - 143x63°                          |                      |                               |                          | <b>[HM5]</b><br>White                                      |
| <b>[T4]</b><br>Type IV, Asymmetric,<br>Forward throw -<br>117x64°                     |                      |                               |                          | <b>[HM6]</b><br>Bronze                                     |
| <b>[T5]</b><br>Type V, Symmetric -<br>117°                                            |                      |                               |                          | <b>[CC]</b> <br>Custom colour (Please<br>specify RAL code) |
| <b>Extras</b>                                                                         |                      |                               |                          |                                                                                                                                               |
| <b>Consult the factory</b>                                                            |                      |                               |                          |                                                                                                                                               |
| <b>[UNI]</b><br>120-277V 50/60Hz                                                      |                      |                               |                          |                                                                                                                                               |