



# Alphaeus 3 DW50

Dynamic White Linear LED - 50mm Pitch



Various sectors, from healthcare to corporate, have begun to explore the potential benefits of lighting that follow the natural sleep/wake cycles of the human body. Known as circadian lighting, these strategically designed systems may have the power to positively affect people's health, alertness, productivity, and more.

## Applications

- Commercial
- Offices
- Healthcare
- Wellness & Relaxation

## Features

- 2200K - 2700K - 3000K - 4000K - 5700K
- 80 or 90 CRI
- DALI - 0-10V - Casambi Bluetooth - DMX control
- 2200 or 1650 Lumens per metre
- 42W - 21W per channel or 30W - 15W per channel
- 10° - 25° - 32° - 45° - 50° x 11°
- 128mm > 1228mm (100mm increments)
- Cowl & louvre option
- Black, Silver anodised or custom finish
- Adjustable or custom brackets
- Constant current drivers
- Luxeon ZES LED
- IP67

## Benefits

- Various tuneable CCT options
- Colour rendering options
- Fully dimmable
- Medium & economy options
- Power options (based on 4000K 1228mm)
- Various beam angles
- 12 lengths available
- Anti-glare options
- Various finish options
- Mounting options
- Drivers mounted up to 50mtrs
- Latest high performance LEDs
- Environmentally friendly
- External use

## Outputs

	Economy	Medium
<b>Lumen Output (lm) - (4000K 80CRI - 1228mm)</b>	1650	2200
<b>Power - 4000K - 1228mm (W)</b>	30 (15W/Ch)	42 (21W/Ch)
<b>Drive Current (mA)</b>	500mA	700mA

## Technical Information

<b>Colours</b>	Dynamic White 2200K • 2700K • 3000K • 4000K • 5700K
<b>CRI</b>	>80 • >90
<b>LED Chip</b>	Luxeon ZES
<b>LED's Per Fitting (1228mm)</b>	24 (12 each colour)
<b>Control</b>	0-10V • DALI • DMX • Bluetooth
<b>Beam Angles</b>	10° • 25° • 32° • 45° • 50°x11°
<b>Lifetime @ LM80</b>	50,000hrs @ 25°C
<b>Operating Temp</b>	-25°C to 55°C
<b>IP Rating</b>	IP67
<b>Lens</b>	Toughened Screen Printed Clear Glass
<b>Finish</b>	Anodised Aluminium Black Anodised Aluminium Custom Anodised
<b>Mounting</b>	Adjustable Brackets
<b>Weight (kg/m)</b>	2.30kg

## Product Code

**ALP3-DW50-1-2-3-4-5-6-7-8**

Create your product code by choosing your specification from the product areas below. Final example codes are shown to the right.

### 1 Drive Current

700mA **70** 500mA **50**

### 2 Colour 1\*

>80 CRI - 2200K **822**  
>80 CRI - 2700K **827**  
>80 CRI - 3000K **830**  
>80 CRI - 4000K **840**  
>90 CRI - 2700K **927**  
>90 CRI - 3000K **930**  
>90 CRI - 4000K **940**  
>90 CRI - 5700K **957**

### 3 Colour 2\*

>80 CRI - 2200K **822**  
>80 CRI - 2700K **827**  
>80 CRI - 3000K **830**  
>80 CRI - 4000K **840**  
>90 CRI - 2700K **927**  
>90 CRI - 3000K **930**  
>90 CRI - 4000K **940**  
>90 CRI - 5700K **957**

\* 2200K not available in >90 CRI, 5700K not available in >80 CRI

\*\* Special anodised aluminium colour finishes available on request

**ALP3-DW50-70-830-827-45-AA-A-X-1228**

**ALP3-DW50-50-957-940-10-BB-C-X-1028**

*Example Codes*

### 4 Optics

10° **10** 45° **45**  
25° **25** 50°x11° **5011**  
32° **32**

### 5 Finish\*\*

Anodised Aluminium **AA**  
Anodised Black **AB**  
Anodised Custom **AC**

### 6 Bracket

Adjustable **A**  
Custom **C**

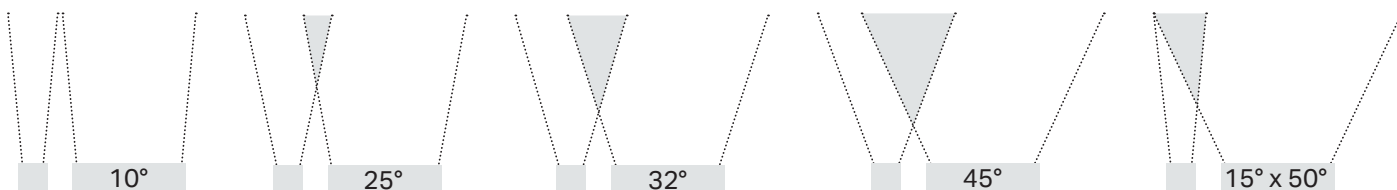
### 7 Anti-Glare

None **X**  
Cowl **C**  
Louvre **L**

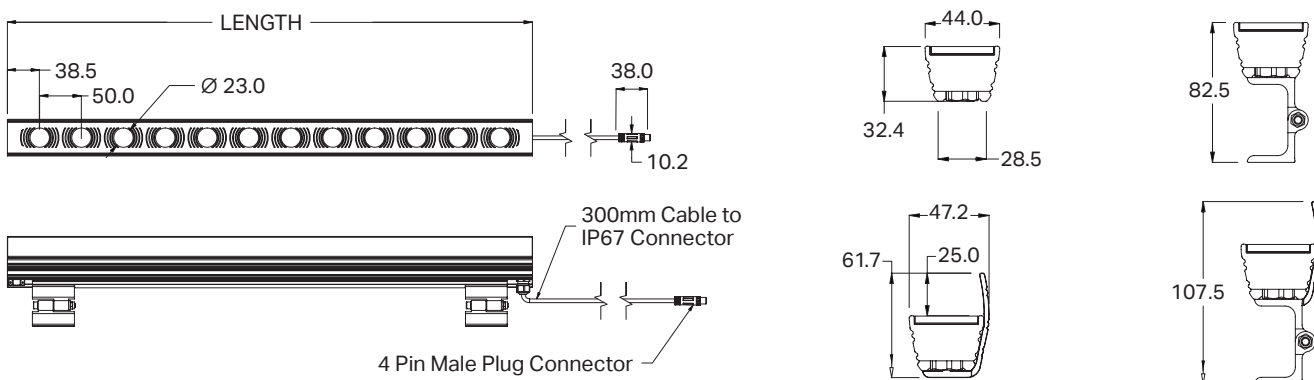
### 8 Length

1228mm <b>1228</b>	828mm <b>0828</b>	428mm <b>0428</b>
1128mm <b>1128</b>	728mm <b>0728</b>	328mm <b>0328</b>
1028mm <b>1028</b>	628mm <b>0628</b>	228mm <b>0228</b>
928mm <b>0928</b>	528mm <b>0528</b>	128mm <b>0128</b>

## Beam angles



## Specification Drawings



Alphaeus 3 fittings are provided with a 300mm cable with male plug connector. Extension cables with female socket connector must be purchased separately with the below product codes.

4 Core M8 female assembly, PUR, 10000mm **CA084**

ALP-3-DW-0122

Complies with EN60598-1 and pertinent regulations

Specifications are subject to change without prior notice. Please refer to our website for most up to date version.



**Contact our sales team for further assistance**

0113 263 9039

[sales@kempslighting.com](mailto:sales@kempslighting.com)

[kempslighting.com](http://kempslighting.com)