

# Aspect Zebra 48 LED



*"to highlight crossings with clearly defined contrast & provide excellent vertical illumination of pedestrians"*

## Specification

- LED colour temperature 3000K, 4000K or 5700K
- Colour rendering index >70
- Projected L90 after 100,000 hours
- Power factor 0.95 at full load
- High quality high pressure die cast LM6 aluminium components
- Post top mounting 76mm or 60mm
- Post top inclination of 0°, +5° and +10°
- Side entry mounting of 34mm, 42mm, 60mm
- Side entry inclination of -10°, -5°, 0°, +5°, +10°
- Tool-less access
- CLO available
- Light grey or black finish
- Optional surge protection 10kV/10kA
- Controls - NEMA 3, 7, Miniature photocell and Zhaga book 18 (SR) socket
- Dim level 10-100%
- Toughened flat glass cover
- Part Night Dimming (PND) with manual dimming override option
- DALI compatible for use with CMS
- Stainless steel fixing screws with stainless steel inserts in pivot
- Replaceable gear tray without the need for tools

-  IP66 Ingress Protection
-  IK08 Impact Resistance
-  8kg Weight
-  Electrical Class I
-  0.059m<sup>2</sup> Wind Area
-  -20 to +40°C Ambient
-  LED Light Source

## PowerSet



## Range Overview

| Type         | Aspect Zebra 48 LED   |
|--------------|-----------------------|
| System Power | 65-130W               |
| CCT          | 3000K, 4000K or 5700K |
| Lumen Output | Up to 18,684lm        |
| CRI          | >70                   |

# Aspect Zebra 48 LED

## Electrical Characteristics

| Type                                     | Aspect Zebra 48 LED                                                               |
|------------------------------------------|-----------------------------------------------------------------------------------|
| System Power                             | 65-130W                                                                           |
| LED CCT                                  | 3000K, 4000K or 5700K                                                             |
| LED CRI                                  | >70                                                                               |
| Lumen Output                             | Up to 18,684lm                                                                    |
| Lumen Maintenance                        | Projected L90 after 100,000 hours                                                 |
| Drive Current                            | 440-882mA                                                                         |
| Driver Output                            | Constant current output with AM dimming                                           |
| Power Factor (Full Load/Half Load)       | 0.95/0.90                                                                         |
| Operational Voltage                      | 220-240VACrms                                                                     |
| Operating Frequency                      | 50/60Hz                                                                           |
| Inrush Current (Apk/50%-µS)              | 62A/330µS                                                                         |
| Running Current (max)                    | 0.540A max                                                                        |
| Surge Protection (COM/DIF)               | 8kV/6kV                                                                           |
| Additional Surge Protection (on request) | 10kV/10kA                                                                         |
| Lighting Controls Options                | NEMA 3, 7, Miniature photocell, Zhaga book 18 (SR) socket, PND and CMS compatible |
| Dimming Protocols                        | DALI                                                                              |

## Shield Options

|       |            |
|-------|------------|
| Front | 81BAF70459 |
| Rear  | 81BAF70458 |
| Side  | 81BAF70510 |



The PowerSet module allows on site power adjustment providing maximum flexibility both in-situ and for stock holding. Each module accommodates the selection of any one of the range of UMSUG coded system powers for Aspect Zebra 48 LED.

International Dark-Sky Association approved Aspect 48 LED Zebra. Compliant when using a colour temperature of 3000K or below and at zero degree tilt.



Certified by DarkSky.org



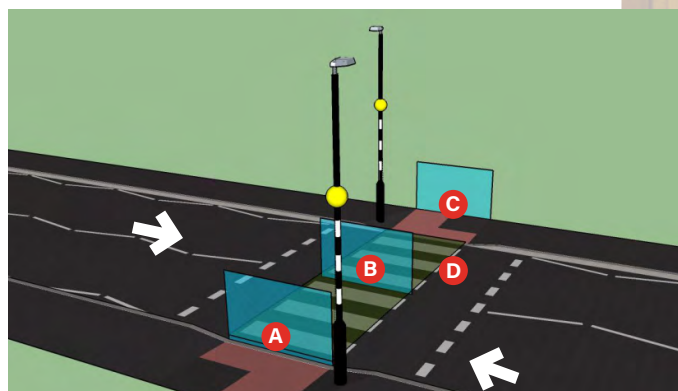
**For more information**

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[www.trtlighting.co.uk](http://www.trtlighting.co.uk)

## Mechanical Characteristics

| Type                      | Aspect Zebra 48 LED                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Housing Material          | High pressure die cast LM6 aluminium                                                                                    |
| Cover Material            | Toughened flat safety glass                                                                                             |
| Lens Material             | PMMA                                                                                                                    |
| Housing Finish            | Chromate free pre-treatment, polyester powder coat, light grey (RAL9006), black (RAL9005), other RAL colours on request |
| Ingress Protection Rating | IP66                                                                                                                    |
| Weight                    | 8kg                                                                                                                     |
| Wind Area                 | 0.059m <sup>2</sup>                                                                                                     |
| Impact Resistance Rating  | IK08                                                                                                                    |
| Mounting Methods          | Post top 60mm or 76mm/side entry 34mm, 42mm, 60mm or 76mm                                                               |
| Mounting Inclination      | -10°, -5°, 0°, 5°, 10°                                                                                                  |
| Photometric Centre        | 350mm (to centre of PCB)                                                                                                |



## TR12 for Zebras:

- A Front of Kerb (Vertical Grid)**  
2 times road average
- B Centre of Crossing (Vertical Grid)**  
2 times road average
- C Rear of Waiting Area (Vertical Grid)**  
1.5 times road average
- D Crossing Carpet (Horizontal Illuminance)**  
3.5 times average for road and 60% U<sub>0</sub>



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ROAD & TUNNEL SYSTEMS