

# LED AIRFIELD LIGHTING



## LED Inset Light Series

### RUNWAY END

- ILA-RWE(L) 8" Runway End Lights
- ILB-RWE(L) 12" Runway End Lights

#### Compliance with Standards (current version)

|        |                                               |
|--------|-----------------------------------------------|
| ICAO   | Annex 14, Volume 1, & Aerodrome Design Manual |
| EASA   | CS-ADR-DSN                                    |
| IEC    | TS 61827                                      |
| FAA    | AC150/5345-46 & Engineering Brief NO. 67      |
| AENA   | DIN-DSEYN-PPT                                 |
| TCCA   | TP 312                                        |
| CASA   | MOS Part 139                                  |
| UK CAA | CAP 168                                       |

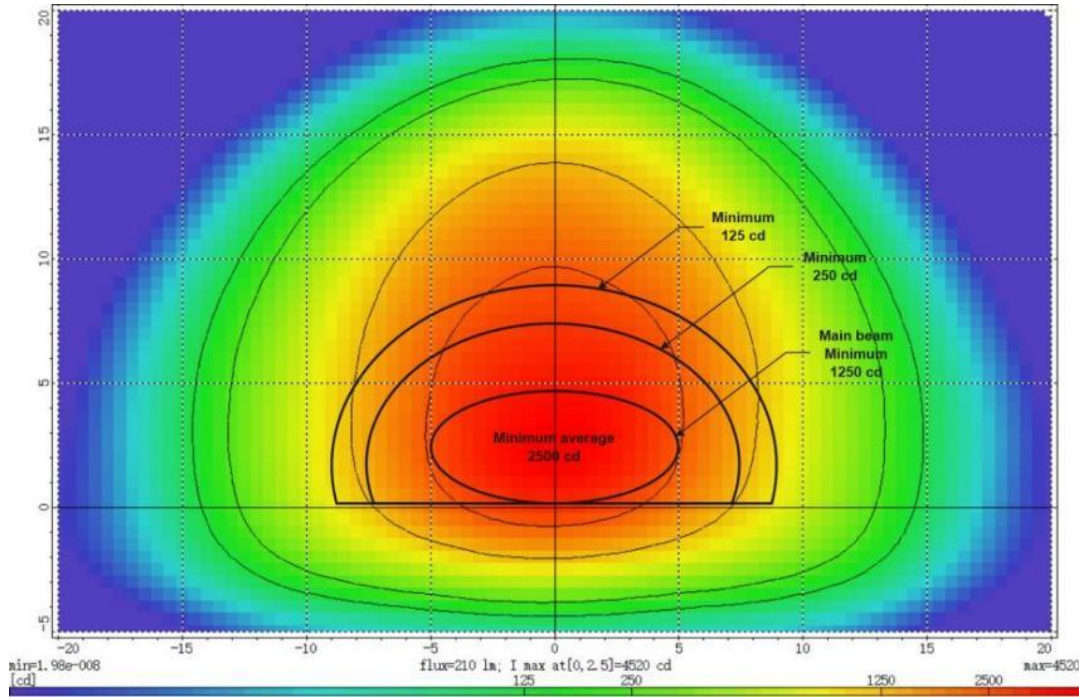
## KEY FEATURES

- Ultra-Flat surface-Only 3.5mm(8")/6mm(12") above surface
- Structure, reliable electrical, excellent static load and impact resistance
- Reinforced prism, excellent optical performance, high strength,hardness,wear resistance
- Reinforced cover has high temperature resistance, wear resistance and corrosion resistance
- Construct dexterity-can fit the halogen light shallow base
- Precise optical design and construction, effective and accurate realization of optical configuration requirements
- The Arctic Kit function is optional

## TECHNICAL DATA

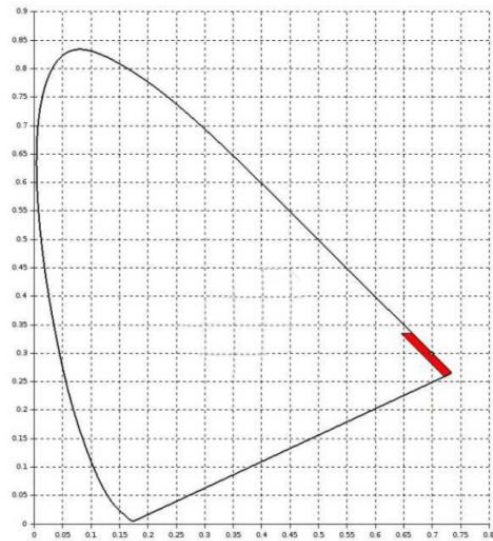
| MECHANICS                       |                                                   |                    |                   |
|---------------------------------|---------------------------------------------------|--------------------|-------------------|
| Series                          | 8" (ILA)                                          |                    | 12" (ILB)         |
| Diameter                        | 203mm                                             |                    | 304mm             |
| Flange Thickness                | 19mm                                              |                    | 19mm              |
| Height Above Surface            | 3.5mm                                             |                    | 6mm               |
| Static Load Resistance          | 20t                                               |                    | 30.3t             |
| Shear Load Resistance           | 1.7t                                              |                    | 1.7t              |
| Packing Dimensions              | 250mm×235mm×110mm                                 |                    | 390mm×365mm×130mm |
| Net Weight                      | 2.8kg                                             |                    | 7.6kg             |
| Gross Weight                    | 3.2kg                                             |                    | 8.2kg             |
| ENVIRONMENTAL                   |                                                   |                    |                   |
| Operating Temperature           | -55℃ - +55℃                                       |                    |                   |
| Storage Temperature             | -55℃ - +85℃                                       |                    |                   |
| Humidity                        | 0-100%                                            |                    |                   |
| Protection Class (Dust/Liquids) | IP68 (IEC 60598-1)                                |                    |                   |
| Surge                           | 6KV, 3KA (IEC 61000-4-5)                          |                    |                   |
| ELECTRICAL                      |                                                   |                    |                   |
| Connection                      | FAA L823 Class A, Type II ,Style 6, one Connector |                    |                   |
| Power Input                     | 2.8-6.6A <sub>eff</sub> AC                        |                    |                   |
| Power Factor (Nominal)          | > 0.9                                             |                    |                   |
| Power Consumption (Nominal)     | RWE-Red                                           | without Arctic Kit | 16W               |
|                                 |                                                   | with Arctic Kit    | 26W               |
| Fail Open                       | Optional                                          |                    |                   |

OPTICAL

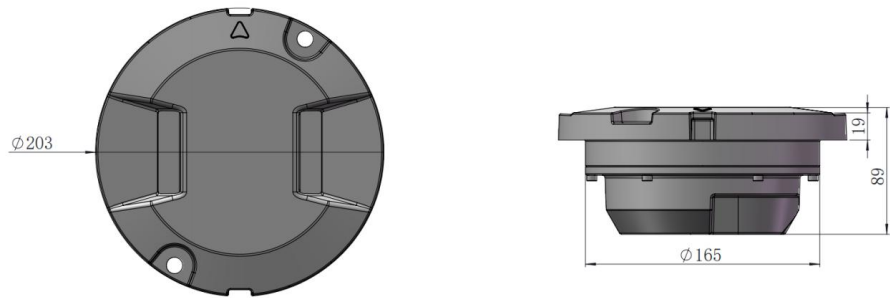


RWE-Red

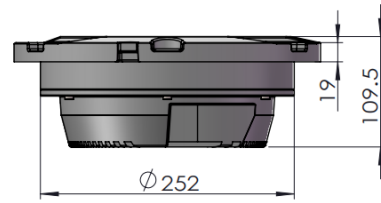
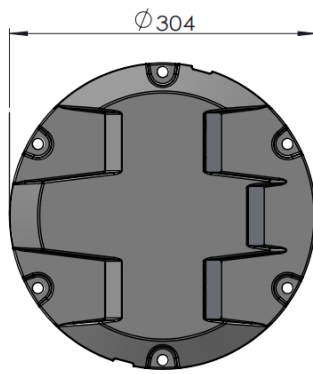
COLOR COORDINATES



DESIGN

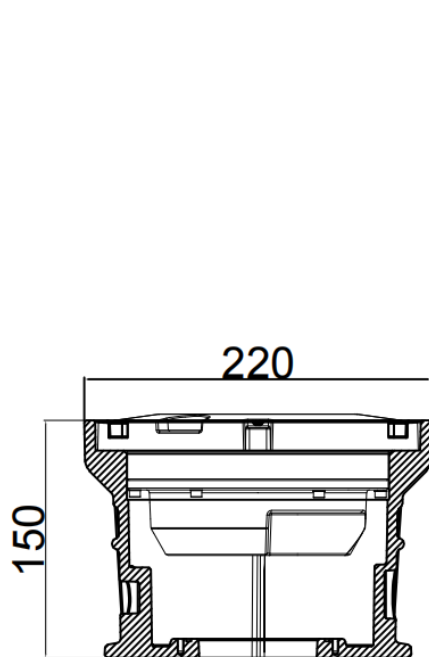


ILA-8" Size

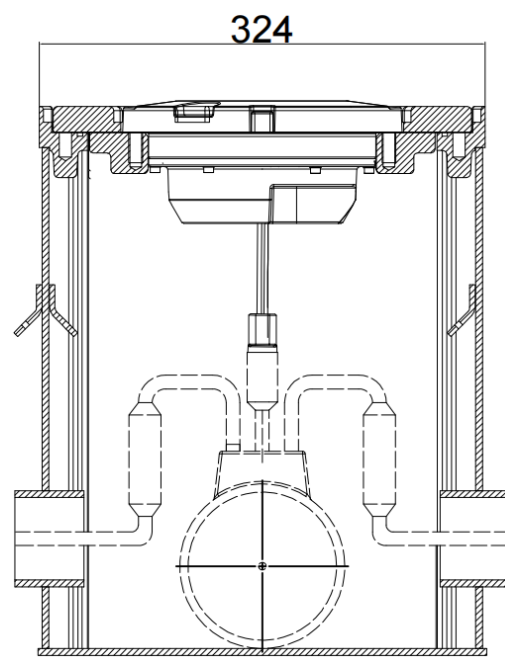


ILB-12" Size

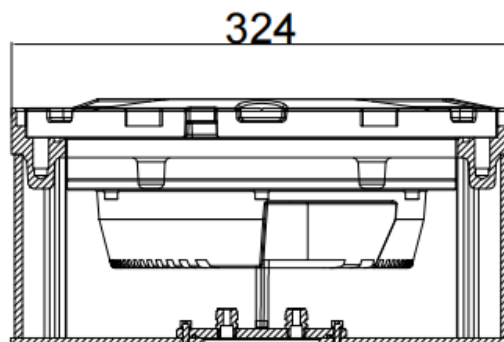
## INSTALLATION



8" Light On 8" Shallow Base



8" Light on 12" Base with Adapter Ring



12" Light On 12" Shallow Base

ORDERING CODE

|                                                                              |  |     |    |   |  |  |   |
|------------------------------------------------------------------------------|--|-----|----|---|--|--|---|
|                                                                              |  |     |    |   |  |  |   |
|                                                                              |  | RWE | R0 | 1 |  |  | N |
|                                                                              |  |     |    |   |  |  |   |
| Light Structure                                                              |  |     |    |   |  |  |   |
| ILA: Inset 8" Light                                                          |  |     |    |   |  |  |   |
| ILB: Inset 12" Light                                                         |  |     |    |   |  |  |   |
| Function / Application                                                       |  |     |    |   |  |  |   |
| RWE: Runway End Lights                                                       |  |     |    |   |  |  |   |
| Color <sup>①</sup>                                                           |  |     |    |   |  |  |   |
| R0: Red                                                                      |  |     |    |   |  |  |   |
| Inputs                                                                       |  |     |    |   |  |  |   |
| 1: Single Input                                                              |  |     |    |   |  |  |   |
| Fail Open                                                                    |  |     |    |   |  |  |   |
| FOM: Fail Open Manual-reset                                                  |  |     |    |   |  |  |   |
| FON: No Fail Open                                                            |  |     |    |   |  |  |   |
| Prism                                                                        |  |     |    |   |  |  |   |
| C: Conventional Prism                                                        |  |     |    |   |  |  |   |
| R: Reinforced Prism                                                          |  |     |    |   |  |  |   |
| Top Cover                                                                    |  |     |    |   |  |  |   |
| S: Standard Cover                                                            |  |     |    |   |  |  |   |
| R: Reinforced Cover                                                          |  |     |    |   |  |  |   |
| Ground Pole                                                                  |  |     |    |   |  |  |   |
| N: With Ground Pole                                                          |  |     |    |   |  |  |   |
| Version                                                                      |  |     |    |   |  |  |   |
| Customize: This option is not filled in by default,unless otherwise required |  |     |    |   |  |  |   |

ORDERING CODE NOTES

① We can provide color code including R0, as shown in Figure 1

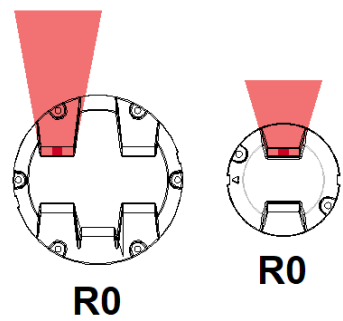


Figure1 (Overlook View)