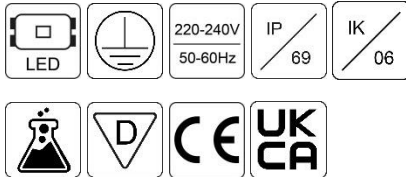


# Cyclone A LED

## Waterproof and Cleanroom Luminaires



**Images for the product family and options:**



**Description:** Surface mounted or suspended waterproof LED luminaire for use in chemically aggressive atmospheres  
 Light distribution type: direct  
 Optical system: opal thermoplastic diffuser, good chemical resistance  
 Housing: thermoplastic, good chemical resistance  
 Colour: light grey

**General data:** Mains voltage: 220-240V, 0/50-60Hz  
 LED lifetime, h: 50000/L90B10  
 SDCM: 3  
 Protection class IEC: I  
 Ingress protection code: IP69  
 Mechanical impact resistance: IK06  
 Protection symbol: D  
 Glow wire test, °C: 850  
 Operating temperature range, °C: ta -25...+40/ +45/ +50

**Installation:** On the ceiling or wall (mounting brackets included), or suspended (hooks included), quick and tool-free mounting. 3/5 pole waterproof connector

**Environment:** Indoor/outdoor with roof

**Application:** Agriculture, farms, industry, warehouse, car wash units, laboratories. Suits well in aggressive environments with cleaning agents, ammonia vapours, alkaline compounds and washing with hot water (≤80 °C)



Simple and fast mounting thanks to original cables and flexible mounting brackets at the lighting fitting. Supplied with two fixing brackets and accessories for chain or wire suspension



Suspension mounting kit for Cyclone LED luminaires with two 1.5 or 3.0 meter ropes is available on request. For more information see the accessories list

**TECHNICAL DATA SHEET**

| Product  | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI | CCT*, K | Weight, kg |
|--|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| Cyclone A LED1x2900 G353 T840 OP 1LINS 2xC3      | 1175       | 90        | 99         | 2890                  | 22               | 131                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x4000 G354 T840 OP 1LINS 2xC3      | 1175       | 90        | 99         | 3960                  | 30               | 132                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x5750 G355 T840 OP 1LINS 2xC3      | 1175       | 90        | 99         | 5710                  | 43               | 133                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x3600 G356 T840 OP 1LINS 2xC3      | 1455       | 90        | 99         | 3570                  | 27               | 132                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x5000 G357 T840 OP 1LINS 2xC3      | 1455       | 90        | 99         | 4990                  | 37               | 135                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x7150 G358 T840 OP 1LINS 2xC3      | 1455       | 90        | 99         | 7110                  | 54               | 132                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x9650 G611 T840 OP 1LINS 2xC3      | 1455       | 90        | 99         | 9620                  | 71               | 135                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x2900 G353 T840 OP 1ENDS C3        | 1175       | 90        | 99         | 2890                  | 22               | 131                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x4000 G354 T840 OP 1ENDS C3        | 1175       | 90        | 99         | 3960                  | 30               | 132                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x5750 G355 T840 OP 1ENDS C3        | 1175       | 90        | 99         | 5710                  | 43               | 133                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x3600 G356 T840 OP 1ENDS C3        | 1455       | 90        | 99         | 3570                  | 27               | 132                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x5000 G357 T840 OP 1ENDS C3        | 1455       | 90        | 99         | 4990                  | 37               | 135                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x7150 G358 T840 OP 1ENDS C3        | 1455       | 90        | 99         | 7110                  | 54               | 132                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x9650 G611 T840 OP 1ENDS C3        | 1455       | 90        | 99         | 9620                  | 71               | 135                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x2900 G353 T840 OP 3LINS 2xC5      | 1175       | 90        | 99         | 2890                  | 22               | 131                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x4000 G354 T840 OP 3LINS 2xC5      | 1175       | 90        | 99         | 3960                  | 30               | 132                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x5750 G355 T840 OP 3LINS 2xC5      | 1175       | 90        | 99         | 5710                  | 43               | 133                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x3600 G356 T840 OP 3LINS 2xC5      | 1455       | 90        | 99         | 3570                  | 27               | 132                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x5000 G357 T840 OP 3LINS 2xC5      | 1455       | 90        | 99         | 4990                  | 37               | 135                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x7150 G358 T840 OP 3LINS 2xC5      | 1455       | 90        | 99         | 7110                  | 54               | 132                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x9650 G611 T840 OP 3LINS 2xC5      | 1455       | 90        | 99         | 9620                  | 71               | 135                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x2900 G353 T840 OP 3ENDS C5        | 1175       | 90        | 99         | 2890                  | 22               | 131                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x4000 G354 T840 OP 3ENDS C5        | 1175       | 90        | 99         | 3960                  | 30               | 132                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x5750 G355 T840 OP 3ENDS C5        | 1175       | 90        | 99         | 5710                  | 43               | 133                    | 80+ | 4000    | 1,5        |
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| Cyclone A LED1x7150 G358 T840 OP 3ENDS C5        | 1455       | 90        | 99         | 7110                  | 54               | 132                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x9650 G611 T840 OP 3ENDS C5        | 1455       | 90        | 99         | 9620                  | 71               | 135                    | 80+ | 4000    | 1,8        |
| Cyclone A LED1x2900 G353 T840 OP 1LINS DALI 2xC5 | 1175       | 90        | 99         | 2890                  | 22               | 131                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x4000 G354 T840 OP 1LINS DALI 2xC5 | 1175       | 90        | 99         | 3960                  | 30               | 132                    | 80+ | 4000    | 1,5        |
| Cyclone A LED1x5750 G355 T840 OP 1LINS DALI 2xC5 | 1175       | 90        | 99         | 5710                  | 43               | 133                    | 80+ | 4000    | 1,5        |
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| Cyclone A LED1x7150 G358 T840 OP 1LINS DALI 2xC5 | 1455       | 90        | 99         | 7110                  | 54               | 132                    | 80+ | 4000    | 1,8        |
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| Cyclone A LED1x2900 G353 T840 OP 1ENDS DALI C5   | 1175       | 90        | 99         | 2890                  | 22               | 131                    | 80+ | 4000    | 1,5        |
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\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. NORTHCLIFFE LIGHTING is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

**Available options:**

- T830 Colour temperature 3000K, CRI 80+
- T840 Colour temperature 4000K, CRI 80+
- OP Opal diffuser
- DALI Driver with DALI interface and switch-control dimming
- \*note - for DALI LIN option wires are 2x0.5mm<sup>2</sup>
- 1LINS Through wired 3x1.5 mm<sup>2</sup> with female and male sockets (5x1,5 mm<sup>2</sup> DALI)
- 3LINS Through wired 5x1.5 mm<sup>2</sup> with female and male sockets
- 1ENDS Individually installed/last luminaire in line 3x1,5 mm<sup>2</sup> with socket (5x1,5 mm<sup>2</sup> DALI)
- 3ENDS Individually installed/last luminaire in line 5x1,5 mm<sup>2</sup> with socket
- C3 Additional 3 poles connector
- C5 Additional 5 poles connector

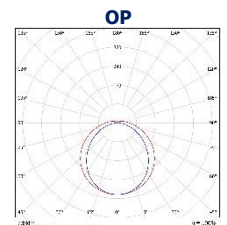
**Available accessories :**



Product: Suspension MTG KIT - Barat/Proof/Nord LED 1.5m  
 Description: Suspension kit for Barat/Proof/Nord LED luminaires, 1.5 meter, 2pcs  
 Product: Suspension MTG KIT - Barat/Proof/Nord LED 3.0m  
 Description: Suspension kit for Barat/Proof/Nord LED luminaires, 3.0 meters, 2pcs



Product: End plug  
 Description: End plug for Cyclone A/P LED luminaires, 1pcs



**Chemical resistance table of Cyclone A LED series:**

| Environment                            | Max. concentration | Cyclone A LED resistance |           |    |
|--|--------------------|--------------------------|-----------|----|
|  |                    | yes                      | partially | no |
| Aceton (ketones)                       |                    |                          |           |    |
| Aniline                                |                    |                          |           |    |
| Ammonia                                | 5%                 |                          |           |    |
| Benzene and Benzaldehyde               |                    |                          |           |    |
| Diethylether (ethers)                  |                    |                          |           |    |
| Potassium nitrate                      |                    |                          |           |    |
| Ethanol(alcohols)                      | 50%                |                          |           |    |
| Ethylacetate (esters)                  |                    |                          |           |    |
| Ethyl alcohol                          |                    |                          |           |    |
| Phenol                                 |                    |                          |           |    |
| Glycerine                              |                    |                          |           |    |
| Heptane                                |                    |                          |           |    |
| Ammonium hydroxide                     | 25%                |                          |           |    |
| Sodium hydroxide-base                  | 60%                |                          |           |    |
| Sodium chloride-salt solution          | 15%                |                          |           |    |
| Sulphur chloride and calcium chloride  |                    |                          |           |    |
| Carbon tetrachloride and Chloric ether |                    |                          |           |    |
| Iron dichloride                        |                    |                          |           |    |
| Arsenic acid and Oleic acid            |                    |                          |           |    |
| Citric acid                            | 20%                |                          |           |    |
| Nitric acid                            | 20%                |                          |           |    |
| Nitric acid                            | 50%                |                          |           |    |
| Hydrochloride acid                     | 5%                 |                          |           |    |
| Hydrochloride acid                     | 35%                |                          |           |    |
| Chromic acid                           | 40%                |                          |           |    |
| Formic acid                            | 30%                |                          |           |    |
| Acetic acid                            | 10%                |                          |           |    |
| Sulphuric acid                         | 30%                |                          |           |    |
| Methanol                               |                    |                          |           |    |
| Fuel oil                               |                    |                          |           |    |
| Mineral oil                            |                    |                          |           |    |
| Vegetable oil                          |                    |                          |           |    |
| Rape oil                               |                    |                          |           |    |
| Lamp oil                               |                    |                          |           |    |
| Hydrogen peroxide                      | 30%                |                          |           |    |
| Ammonium sulphate                      | 15%                |                          |           |    |
| Toluene                                |                    |                          |           |    |
| Turpentine oil                         |                    |                          |           |    |
| Trichlorethylene                       |                    |                          |           |    |
| Sodium carbonate                       | 20%                |                          |           |    |
| Aliphatic hydrocarbons                 |                    |                          |           |    |
| Aromatic hydrocarbons                  |                    |                          |           |    |
| Alkali                                 |                    |                          |           |    |