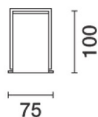
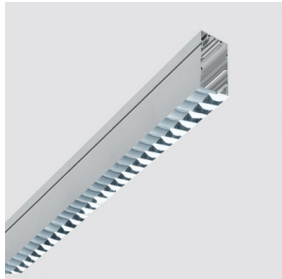


Last information update: May 2024

### Product configuration: N973+N982.01

N973: Initial profile L 3594

N982.01: LED module - L 1196 - dark-light emission - warm white - integrated DALI dimmable control gear - 42W 5600lm - 3000K - White



### Product code

N973: Initial profile L 3594 **Attention! Code no longer in production**

### Technical description

Frame version extruded aluminium initial profile (with contact frame) for down emission; a triple length version designed to house 3 x LED plates. Complete with superpure aluminium lamellar optic screen with an anodised mirror finish. Controlled luminance  $L \leq 1500$  cd/mq2-  $\alpha > 65^\circ$ .

### Installation

Recessed using the brackets on the profile. The initial modules can be used individually for various applications if completed with end caps and the required LED module.

### Colour

White (01) | Aluminium (12)

### Mounting

ceiling recessed

### Wiring

Set up to house the LED modules required by the system.

### Notes

Take care with the system configuration. To make continuous lines of lighting, use the intermediate modules. To complete a continuous line correctly there must always be an initial module at the start or end of the composition.

Complies with EN60598-1 and pertinent regulations



### Product code

N982.01: LED module - L 1196 - dark-light emission - warm white - integrated DALI dimmable control gear - 42W 5600lm - 3000K - White **Attention! Code no longer in production**

### Technical description

LED module set up for housing in iN60 Dark Light down emission system initial or intermediate profiles. Extruded aluminium heat sink linear element. Combined with the lamellar optic screen housed in the system profiles, the luminaire generates an emission with controlled luminance  $L \leq 1500$  cd/m2 –  $\alpha > 65^\circ$ , for use in environments with video monitors in compliance with EN 12464-1. Supplied with integrated dimmable DALI control gear. Warm white LED.

### Installation

Module insertion on profiles with a mechanical easy-push system (steel snap-on spring).

### Colour

White (01)

### Weight (Kg)

1.47

### Wiring

Quick coupling input/output terminal block connection to simplify connections between the luminaires. LED module complete with integrated DALI control gear.

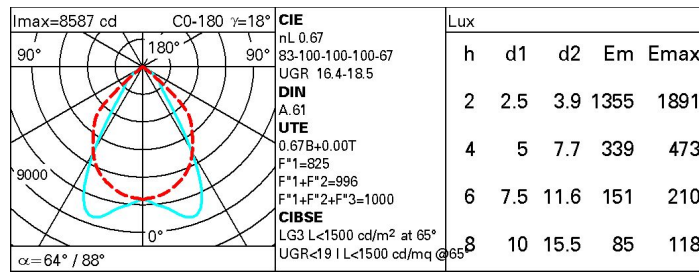
Complies with EN60598-1 and pertinent regulations



### Technical data

|  |       |                                       |                               |
|--|-------|---------------------------------------|-------------------------------|
| lm system:   | 11253 | CRI:                                  | 80                            |
| W system:  | 147.9 | Colour temperature [K]:               | 3000                          |
| lm source:   | 16800 | MacAdam Step:                         | 3                             |
| W source:  | 126   | Life Time LED 1:                      | 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value):            | 76.1  | Lamp code:                            | LED                           |
| lm in emergency mode:                              | -     | Number of lamps for optical assembly: | 1                             |
| Total light flux at or above an angle of 90° [Lm]: | 0     | ZVEI Code:                            | LED                           |
| Light Output Ratio (L.O.R.) [%]:                   | 67    | Number of optical assemblies:         | 1                             |

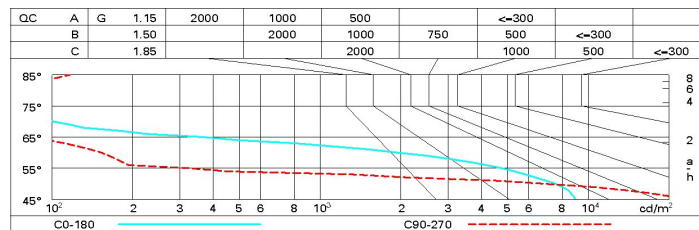
# Polar



# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 55 | 51 | 47 | 45 | 50 | 47 | 47 | 44 | 65  |
| 1.0  | 59 | 55 | 52 | 50 | 54 | 51 | 51 | 48 | 72  |
| 1.5  | 63 | 60 | 58 | 56 | 60 | 58 | 57 | 54 | 81  |
| 2.0  | 66 | 64 | 62 | 61 | 63 | 61 | 61 | 58 | 87  |
| 2.5  | 68 | 66 | 65 | 63 | 65 | 64 | 63 | 61 | 90  |
| 3.0  | 69 | 67 | 66 | 65 | 66 | 65 | 64 | 62 | 93  |
| 4.0  | 70 | 69 | 68 | 67 | 67 | 67 | 66 | 64 | 95  |
| 5.0  | 70 | 69 | 69 | 68 | 68 | 67 | 66 | 64 | 96  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 16800 lm bare lamp luminous flux)   |     |                     |             |      |      |      |                   |             |      |      |      |
|--|-----|---------------------|-------------|------|------|------|-------------------|-------------|------|------|------|
| Reflect.:<br>ceiling<br>walls<br>work pl.<br>Room dim<br>x y |     | 0.70                | 0.70        | 0.50 | 0.50 | 0.30 | 0.70              | 0.70        | 0.50 | 0.50 | 0.30 |
|  |     | 0.50                | 0.30        | 0.50 | 0.30 | 0.30 | 0.50              | 0.30        | 0.50 | 0.30 | 0.30 |
|  |     | 0.20                | 0.20        | 0.20 | 0.20 | 0.20 | 0.20              | 0.20        | 0.20 | 0.20 | 0.20 |
|  |     | viewed<br>crosswise |             |      |      |      | viewed<br>endwise |             |      |      |      |
| 2H   | 2H  | 16.9                | 17.6        | 17.2 | 17.9 | 18.1 | 19.0              | 19.7        | 19.3 | 20.0 | 20.2 |
|  | 3H  | 16.8                | 17.4        | 17.1 | 17.7 | 18.0 | 18.9              | 19.5        | 19.3 | 19.8 | 20.1 |
|  | 4H  | 16.7                | 17.3        | 17.1 | 17.6 | 17.9 | 18.9              | 19.4        | 19.2 | 19.7 | 20.0 |
|  | 6H  | 16.7                | 17.2        | 17.0 | 17.5 | 17.8 | 18.8              | 19.3        | 19.1 | 19.6 | 19.9 |
|  | 8H  | 16.6                | 17.1        | 17.0 | 17.4 | 17.8 | 18.7              | 19.2        | 19.1 | 19.6 | 19.9 |
|  | 12H | 16.6                | 17.1        | 17.0 | 17.4 | 17.8 | 18.7              | 19.2        | 19.1 | 19.5 | 19.9 |
| 4H   | 2H  | 16.8                | 17.3        | 17.1 | 17.6 | 17.9 | 18.8              | 19.4        | 19.2 | 19.7 | 20.0 |
|  | 3H  | 16.6                | 17.1        | 17.0 | 17.4 | 17.8 | 18.7              | 19.2        | 19.1 | 19.5 | 19.9 |
|  | 4H  | 16.5                | 16.9        | 16.9 | 17.3 | 17.7 | 18.6              | 19.0        | 19.0 | 19.4 | 19.8 |
|  | 6H  | 16.4                | 16.8        | 16.9 | 17.2 | 17.6 | 18.5              | 18.9        | 19.0 | 19.3 | 19.7 |
|  | 8H  | 16.4                | 16.7        | 16.8 | 17.1 | 17.6 | 18.5              | 18.8        | 18.9 | 19.2 | 19.7 |
|  | 12H | 16.3                | 16.6        | 16.8 | 17.1 | 17.5 | 18.4              | 18.7        | 18.9 | 19.2 | 19.6 |
| 8H   | 4H  | 16.4                | 16.7        | 16.8 | 17.1 | 17.6 | 18.5              | 18.8        | 18.9 | 19.2 | 19.7 |
|  | 6H  | 16.3                | 16.6        | 16.8 | 17.0 | 17.5 | 18.4              | 18.7        | 18.9 | 19.1 | 19.6 |
|  | 8H  | 16.2                | 16.5        | 16.7 | 16.9 | 17.4 | 18.3              | 18.6        | 18.8 | 19.0 | 19.5 |
|  | 12H | 16.2                | 16.4        | 16.7 | 16.9 | 17.4 | 18.3              | 18.5        | 18.8 | 19.0 | 19.5 |
| 12H  | 4H  | 16.3                | 16.6        | 16.8 | 17.1 | 17.5 | 18.4              | 18.7        | 18.9 | 19.2 | 19.6 |
|  | 6H  | 16.2                | 16.5        | 16.7 | 16.9 | 17.4 | 18.3              | 18.6        | 18.8 | 19.0 | 19.5 |
|  | 8H  | 16.2                | 16.4        | 16.7 | 16.9 | 17.4 | 18.3              | 18.5        | 18.8 | 19.0 | 19.5 |
| Variations with the observer position at spacing:            |     |                     |             |      |      |      |                   |             |      |      |      |
| S =  |     | 1.0H                | 2.7 / -3.8  |      |      |      |                   | 2.7 / -22.3 |      |      |      |
|  |     | 1.5H                | 3.5 / -12.3 |      |      |      |                   | 4.7 / -20.5 |      |      |      |
|  |     | 2.0H                | 5.4 / -22.4 |      |      |      |                   | 6.6 / -27.1 |      |      |      |