

Modular continuous row system with lens technology for all

architectural lighting tasks
The Invia 48V continuous row
lighting system draws lines that
give rooms and spaces a sense of dynamism and emphasize their dimensions. Invia simultaneously offers fully-fledged architectural lighting with efficient and precise light distributions for room heights up to 26ft (8m): from linear wallwashers and downlights to spotlights on the Minirail 48V track insert and for projects ranging from public buildings and offices to museums. The system is suitable for

recessing, surface mounting and pendant mounting. Four conductors for 48V and the DALI control line are integrated in the basic profile. The luminaire inserts snap into place without tools to create uninterrupted light lines – even in corners and with wallwashers. Digital connectivity, uplight inserts and tunable white make Invia ideal for Human Centric Lighting.



## **Invia 48V Light Structure**



Structure and characteristics
The features described here are typical of products in this range. Special versions may offer additional or varying features. A comprehensive description of the features of individual products can be found on our website

## 1 ERCO lens system (downlight)

- Made of optical polymer Light distributions: wide flood, extra wide flood or diffuse

## Reflector (wallwasher)

Aluminum, silver anodized, highly specular

## Diffuser (uplight)

- Luminaire consists of 3 permanently connected units
- Polymer

## **ERCO LED module**

Mid-power LEDs: warm white (2700K or 3000K), neutral white (3500K or 4000K) or tunable white (2700-6000K)

### 3 Anti-glare cover

- Polymer
- Downlight: white (RAL9016) or black
- Wallwasher: white (RAL9002) or

## 4 Housing

Aluminum profile/polymer

## 5 Control gear

- Switchable or DALI dimmable Control with Casambi Bluetooth via
- accessories: please order Casambi DALI Gateway separately

### 6 Profile

- Aluminum profile, can be shortened
- Shapes: linear or corner
- Shapes: linear or corner 2 insulated copper conductors, 4.5mm<sup>2</sup>. 1 circuit, max. 10A 2 insulated copper conductors, 4.5mm<sup>2</sup>, for connection to DALI control line Underside: for accommodating luminative.
- luminaires
- Surface-mounted profile/pendant profile: white (RAL9002), black or silver powder-coated. Upper side for mounting to ceiling or for accommodating pendant accessories, uplights or connection cable Covered recessed profile: white
- (RAL9002) or black powder-coated,
- flanges for ceiling panels Flush recessed profile: mounting in drywall ceilings. Adjustable for ceiling thicknesses 12.5-25mm

Variants on request
- Profile: 10,000 further colors Please contact your ERCO consultant.



Design and application: www.erco.com/invia-48V

## **Invia 48V Light Structure**



Linear wallwashing Linear Invia 48V wallwashers illuminate vertical surfaces extremely efficiently and with excellent uniformity, even around corners.



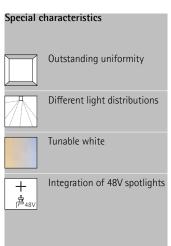
Various luminaire inserts You can insert Invia 48V luminaires into the profile without tools. Downlights for various applications, an uplight and wallwashers with tunable white enable qualitative lighting concepts.



Tunable white technology
Just as the color temperature outdoors changes continuously during the day, the color temperature of the lighting can be adjusted indoors to e.g. support lighting concepts for Human Centric Lighting.



Integration of 48V spotlights From accentuation with a 5 narrow spot to zoom optics and precise framing with tunable white and RGBW. By integrating Minirail 48V, you can use all ERCO 48V spotlights.





ERCO mid-power LEDs



Different light colors



Excellent thermal management



Switchable



**EMC-optimized** 



DALI controllable



Various housing colors

Various construction sizes



Casambi Bluetooth





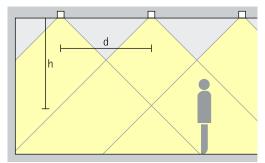
Easy installation



Continuous line arrangements are possible

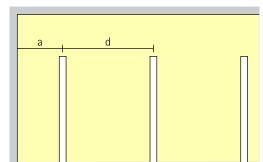
## Invia 48V Light Structure – Luminaire arrangement

**Downlights** Wide flood, Extra wide flood, Diffuse



General lighting For uniform general lighting with high visual comfort, the luminaire spacing (d) between two linear lnvia 48V downlights may be up to 1.5 times the height (h) of the luminaire above the working plane (rough guide).

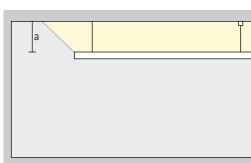
Arrangement:  $d \le 1.5 \times h$ 



The wall offset should be half the luminaire spacing.

Arrangement: a = d / 2

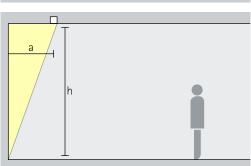




**General lighting** Indirect lighting on bright ceilings increases the visual comfort due to diffusely reflected light. The room also appears to be higher. The profile should be suspended from a height of at least 0.5m.

Arrangement: a ≥ 0.5m

### Wallwasher Wallwash

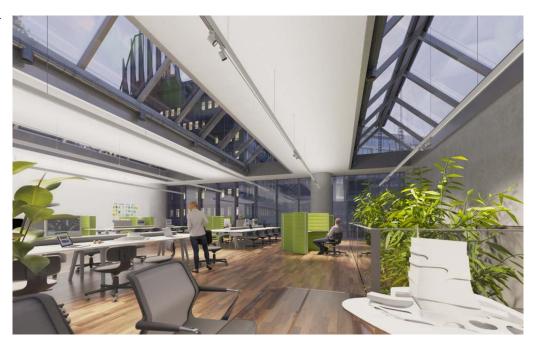


Wallwashing For uniform vertical lighting, the distance to the wall (a) of linear Invia 48V wallwashers should be at least one third of the room height

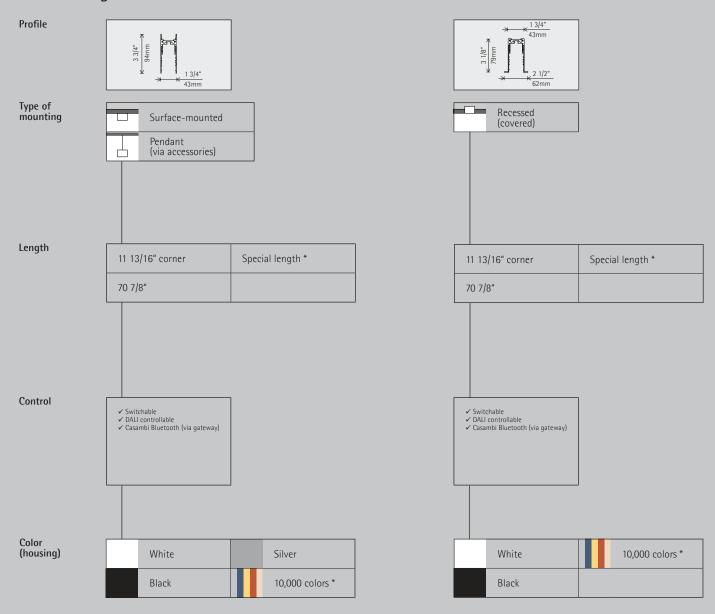
Arrangement:  $a = 0.4 \times h$ 

Optimal wall distances for individual products are specified in the wallwasher tables.

Invia 48V modular in offices. Visualization: Electric Gobo

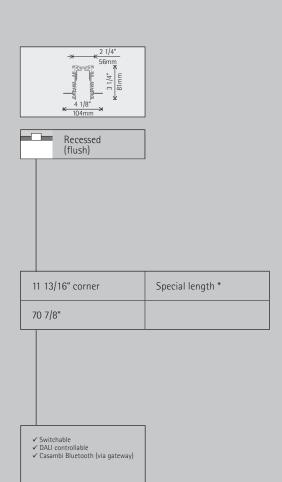


# Invia 48V light structure



## Accessories

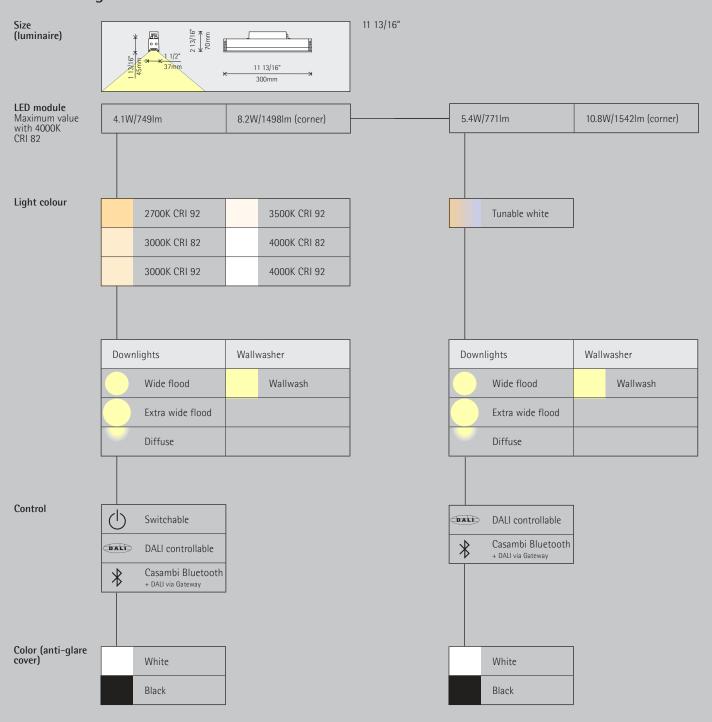
	Mounting kit for Minirail		Suspensions		Power supply units
	Electrical connectors	å	Mounting devices	[5555]	Casambi DALI gate- way





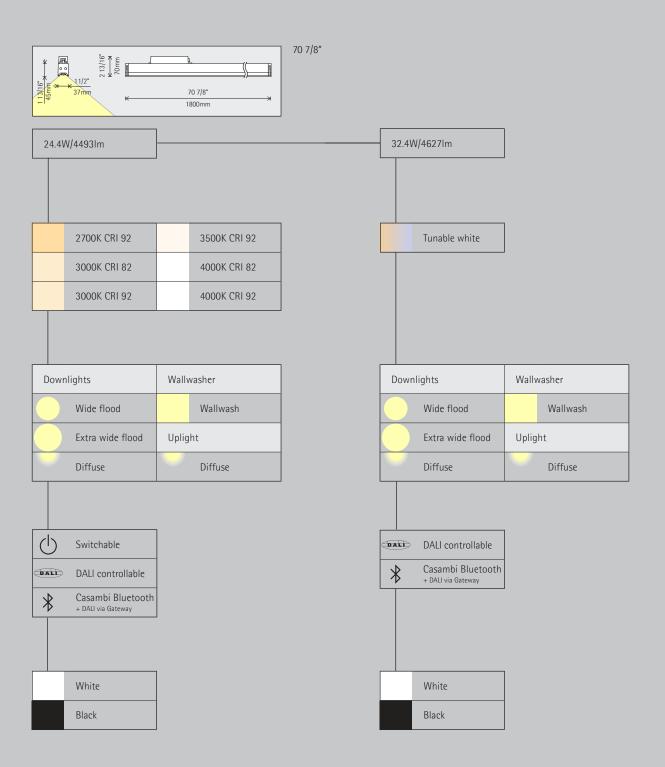
<sup>\*</sup> available on request

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## Accessories

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Article numbers and planning data: www.erco.com/022544-us

Design and application: www.erco.com/invia-48v/en\_us



