

TiVi Linear Light Source

Linienlichtquellen bis 3 m Länge für die industrielle Bildverarbeitung
Linear Light Sources up to 3 m length for image processing in industry



Extrem hohe Leuchtdichte

Extremely high luminance intensity

Enger Raster der Einzel-LEDs (8 mm)

Narrow grid of individual LEDs (8 mm)

Mischfarben möglich, z.B. Grün-Weiß

Mixed colors available, e.g. green-white

Für Auflicht- oder Durchlicht-Anwendungen

For reflective and transmissive light applications

Zwei Ausführungen | Two options:

- Dimmbar (kann proportional gesteuert
und bis 1 kHz gepulst werden)

- Pulsbar (bis 40 kHz)

- Dimmed operation (can be controlled
proportionally and pulsed up to 1 kHz)

- Pulsed operation (up to 40 kHz)

Redundanz gegen Ausfall einzelner LEDs möglich

Redundancy in case of single LED failure on request

Modularer Aufbau bis zu 3000 mm Länge

Modular built up to 3000 mm length

Tichawa *Vision* GmbH



TiVi Linear Light Source – Specifications

Width x height (mm)	100 x 100
Max. length (mm)	min. 240 ... max. 3000
Colour range	White, green, blue, red, orange
Mixed colours	2
Power supply (Volt)	24
Power consumption (per m) A	8.5
Luminous flux (lumen/m)	4000
Luminance intensity (lux)	300 000
Adjustable lens	Yes
Working distance	5 - 100 mm
Line width	1 - 3 mm
Illuminant grid (mm)	8
Uniformity	95%
Expected working life at 50 % Power - hours	> 50.000
Redundancy in case of LED outfall	possible
Lens material	Glass
Heat dissipation	Metal frame
Dimming (dimmed model only)	Yes
Pulsed operation	Yes
Switching Time (pulsed model) in µsec	> 5
Switching Time (dimmed model) in µsec	> 250
RS-232	Possible
Thermal Protection (all models)	Yes

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