

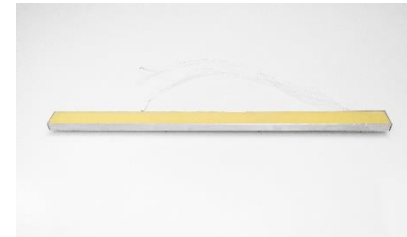
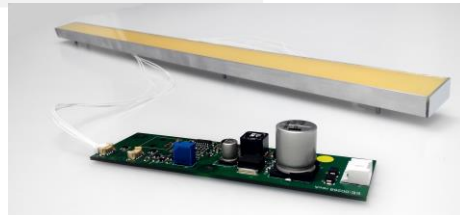
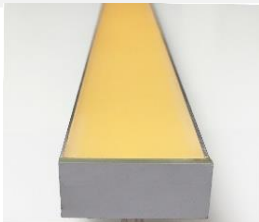
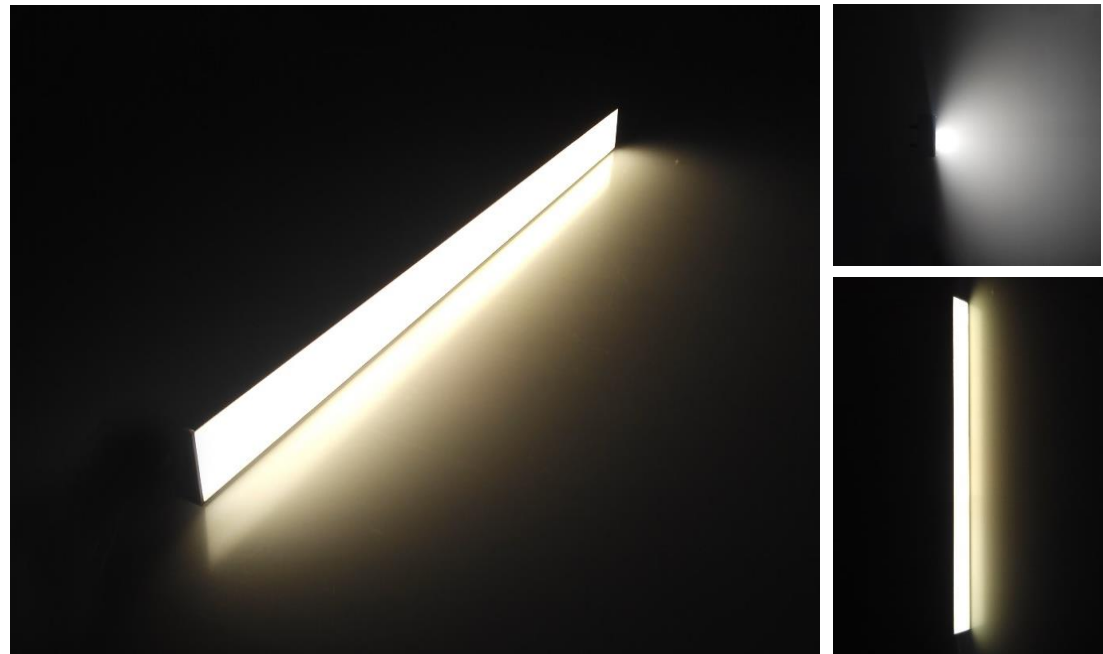
## APPLICATIONS

- High Speed Linescan
- Web Inspection
- Print Inspection
- Surface Inspection
- Plastic Film Inspection
- Metal Inspection

## INDUSTRIES

- Automotive
- Food & Beverage
- Medical
- Packaging
- Pharmaceutical
- Printing
- Semi-conductor
- Solar
- Waste Management
- Wood

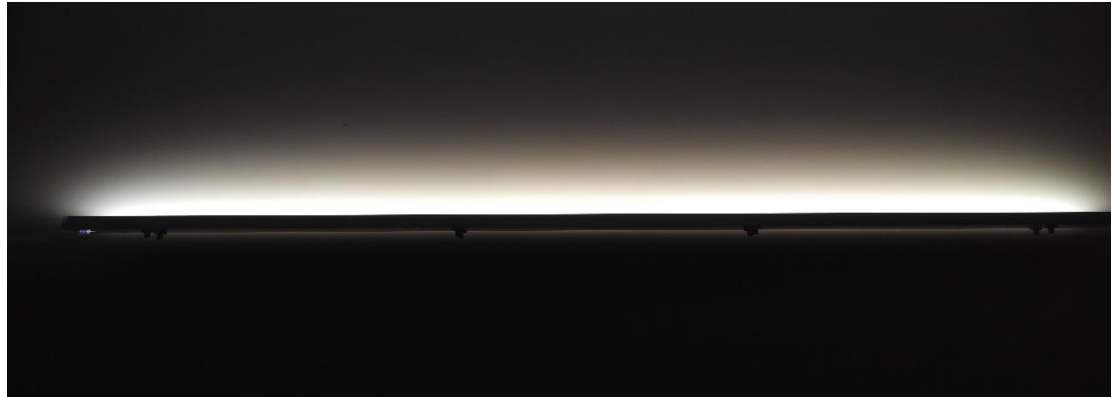
## High intensity OEM LED light lines



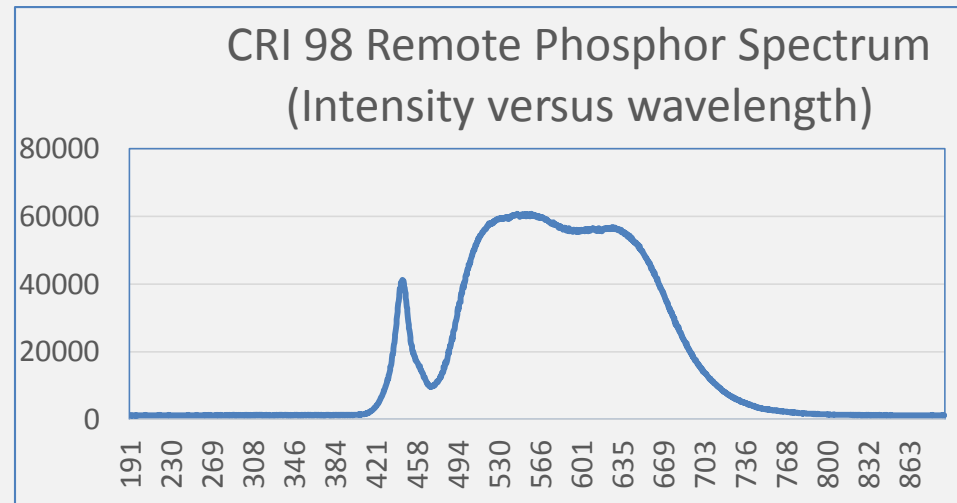
# SCALAR

## KEY FEATURES

- 1 million Lux
- Excellent uniformity
- Excellent colour rendering CRI 98
- High brightness LED Light sources
- Available in 500 mm lengths
- Remote phosphor technology
- Compact size 30 mm x 13 mm
- Intensity control
- Thermal cutout protection
- Multiple phosphor options
- Easy integration
- Long lifetime
- Neutral and Warm white available



## OPTICAL SPECTRUM



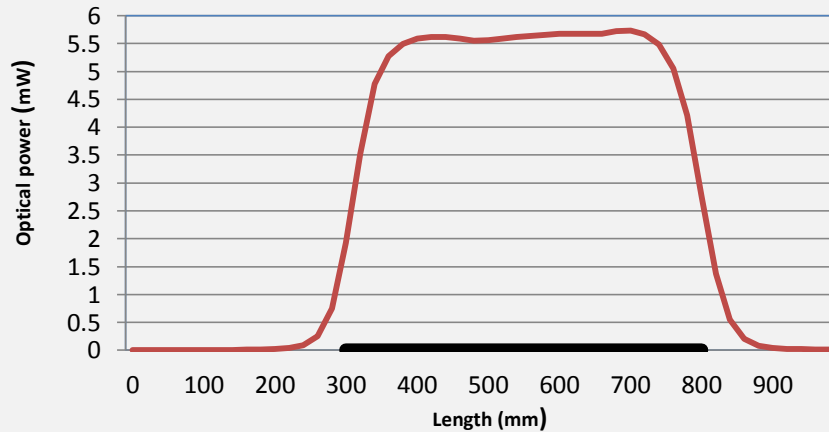
# SCALAR

## OPTICAL CHARACTERISTICS

Optical power (mW) along the longitudinal direction of the luminaire (mm)

Power 20%

Luminaire position indicated by black line - Luminaire length 500 mm  
Distance between luminaire and flux measuring head : 50 mm

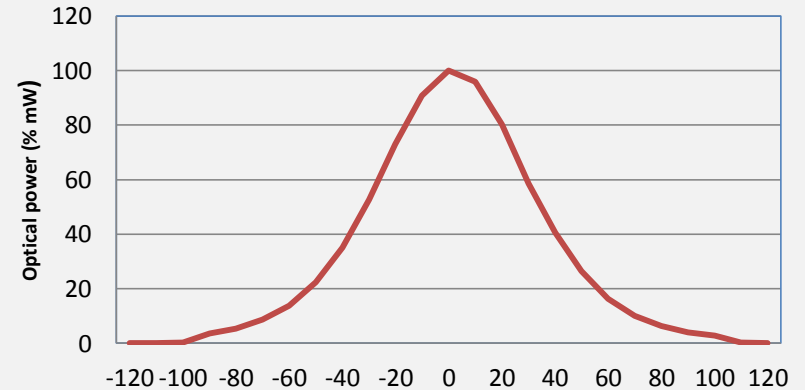


Optical power (% mW) along the lateral direction of the luminaire (mm)

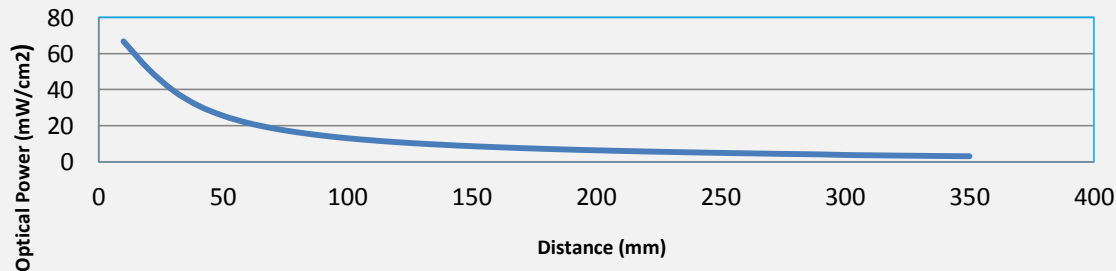
Luminaire width 30 mm.

Power 20%

Distance between luminaire and flux measuring head : 50 mm



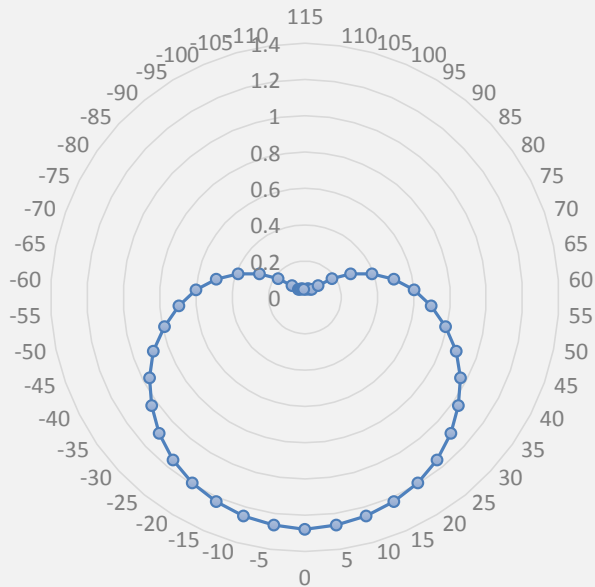
Luminous Flux (mW/cm<sup>2</sup>) vs Straight Distance (mm) Power at 50%



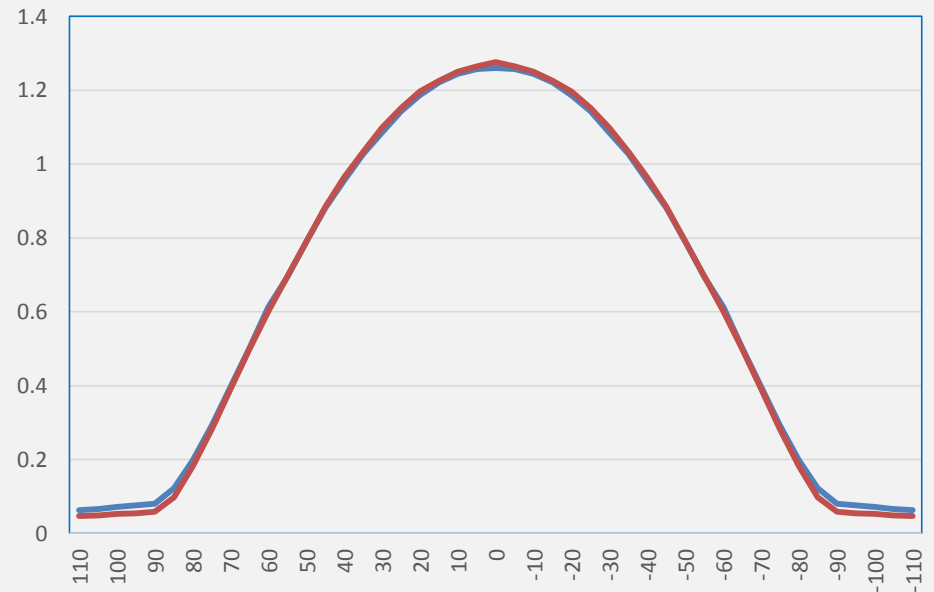
# SCALAR

## OPTICAL CHARACTERISTICS

Radial radiation emission (emission angle versus normalised luminous flux)



luminous flux versus Emission angle

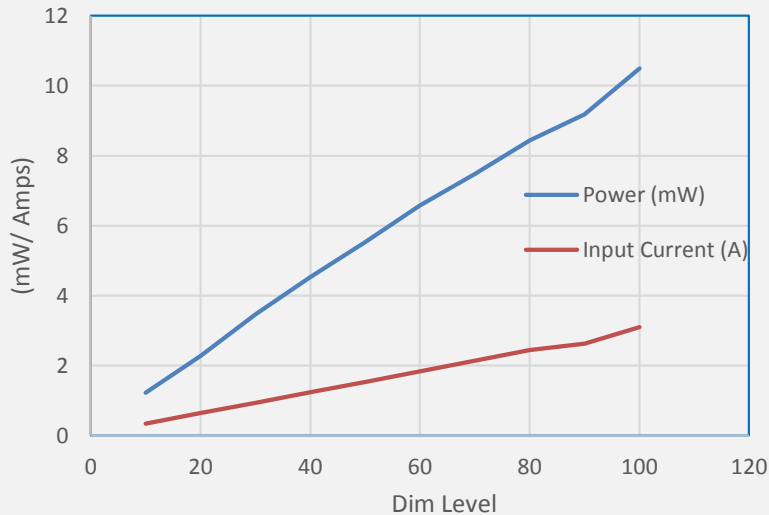


# SCALAR

## ELECTRICAL CHARACTERISTICS

Dim Level (%)	10	20	30	40	50	60	70	80	90	100
Input Current (A)	0.339	0.639	0.936	1.239	1.527	1.839	2.142	2.444	2.626	3.095
Cooling required(W)	8	15	22	30	37	44	51	59	63	74

Current v Light output (mW)

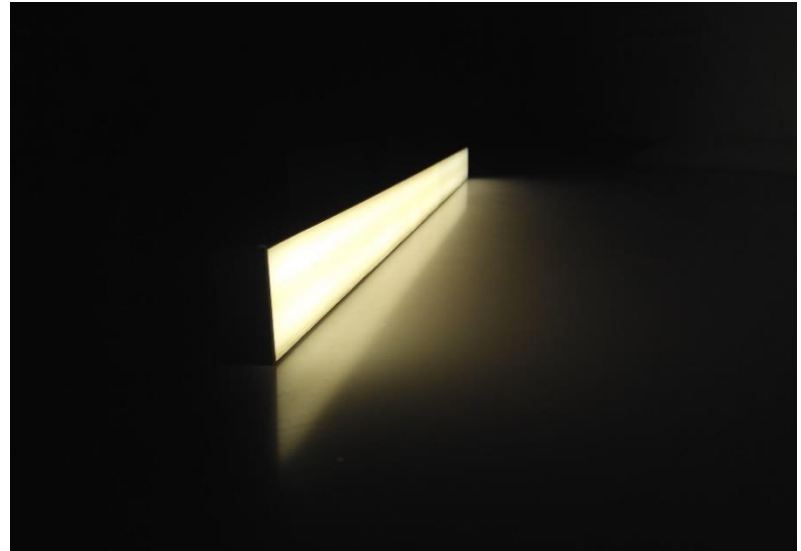
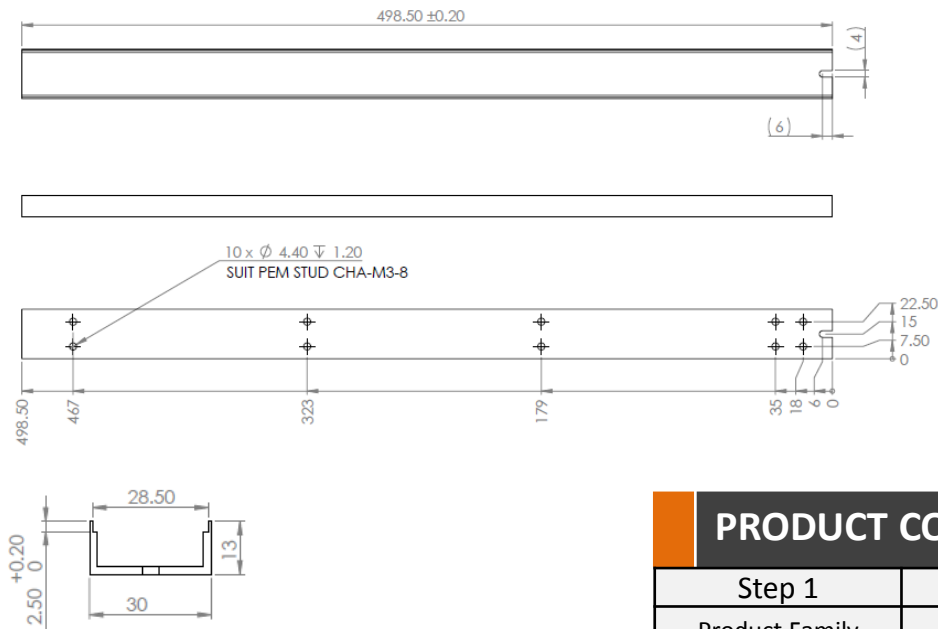


## ELECTRICAL SUPPLY

The Scalar comes with a special controller that is powered by a 24VDC power supply. The Scalar dim level is set on the controller via a potentiometer.

# SCALAR

## MECHANICAL SPECIFICATIONS



## PRODUCT CODES

Step 1	Step 2	Step 3	Step 4	Step 5
Product Family	Width	Colour Temp	CRI	Aperture Length
Scalar	30 15	NWH WWH	90 98	Defined in cm

Example: Scalar-30-NWH-98-050.Is for a Scalar 30mm wide 4000k colour temp with 98 CRI 500mm long. The Scalar is always delivered with the controller. Power supply can be ordered separately.

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Specifications are subject to change without notice