
**Family**

# Tres

The Tres family of luminaires with separate control for direct and indirect lighting is based on the concept of Rob Van Beek, chief designer of lighting in the royal palaces in the Netherlands. Rob made himself happy and designed the Tres for his 60th birthday, which in Danish means sixty.

Type of installation	Suspended
Light distribution	Direct-indirect
Colour of the luminaires	Black, Silver, White
Colour Temperature	3000 K warm white, 4000 K cool white
Material	Aluminium
Light source	LED MODUL
MacAdam Light source	3
Connection of the luminaires	ON/OFF DALI Other type of dimming
Lifetime	L80/B20 50 000 hours
Warranty	60 months

**Luminaire family variants Tres**


Tres

Assembly



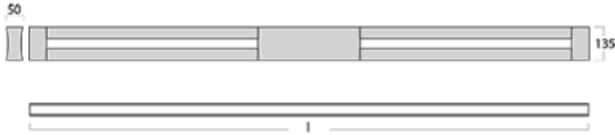
Light distribution



Energy class

A++, A+, A

Marks



Code	Dimensions l/w/h (mm)	Power of the luminaire (W)	Luminous flux (lm)	Colour Temperature (K)	UGR
122-511K-70GGE/840, W	2242 × 135 × 50	87.6	9790	4000	< 21.7

AnThese codes represent white luminaires with chromaticity temperature 4000K and opal diffuser.

Notes	Colour of the luminaires	● ● ●
	Colour Temperature	3000 K warm white 4000 K cool white
	Optic system	Microprisma Opal diffuser
	Connection of the luminaires	ON/OFF DALI Other type of dimming
	Ra	80

Luminaires come complete with all necessary accessories.

Tres

Assembly



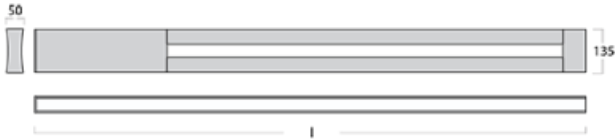
Light distribution



Energy class

A++, A+, A

Marks



Code	Dimensions l/w/h (mm)	Power of the luminaire (W)	Luminous flux (lm)	Colour Temperature (K)	UGR
122-501K-50GGE/840, W	1682 × 135 × 50	62.2	6970	4000	< 22


AnThese codes represent white luminaires with chromaticity temperature 4000K and opal diffuser.

Notes	Colour of the luminaires	● ● ●
	Colour Temperature	3000 K warm white 4000 K cool white
	Optic system	Microprisma Opal diffuser
	Connection of the luminaires	ON/OFF DALI Other type of dimming
	Ra	80




Luminaires come complete with all necessary accessories.

## Legend





### Type of installation

 Recessed lights	 Wall mounted lights
 Semi-recessed luminaire	 Suspended lights
 Surface lights	 Free-standing lights
 3 circuit track lights	 Table lamp lights






### Light distribution

 Direct luminaire
 Direct-indirect luminaire
 Indirect luminaire

### Light source

 <b>Tunable White</b> adjusting the color temperature	 <b>RealWhite</b> true display of white color
 <b>RealColour</b> true display of colors Ra≥97	 <b>StrongColour</b> highlight one color

### Marks

 Luminaire of electrical classification I (accessible conductive parts are connected to a protective cable)
 Luminaire of electrical classification II (accessible conductive parts are connected to a protective cable)
 Luminaire of electrical classification III (protection against electric shock is based on double or reinforced insulation)
 European mark of conformity that indicates the conformity of the properties of the product with all the harmonized standards and regulations of the European Community that apply to it
 Luminaires are certified according to the European ENEC system

 Recommended mounting hole size

**IPxy** IP code indicating the degree of protection of live parts

**ERC** Eurasian Conformity

### 09-501I-20GGE/840, W

09-501I-20GGE/840, W

09-501I-20GGE/840, W

09-501I-20GGE/840, W

Optic system

Electrical connection

Colour









### Optic system

<b>C</b> Clear cover	<b>L</b> Plain aluminium reflector
<b>D</b> Asymmetric reflector	<b>M</b> Matt parabolic louvre
<b>E</b> Polished parabolic louvre, high LOR	<b>S</b> SPOT - narrow angle
<b>F</b> FLOOD - wide angle	<b>U</b> MEDIUM - middle angle
<b>I</b> Microprismatic optical system	<b>W</b> Wide beam angle
<b>K</b> Opal diffuser	

### Electrical connection

<b>D</b> DALI dimmable	<b>P</b> Sensor and electronic ballast
<b>E</b> Electronic ballast non-dimmable	<b>T</b> By switch dimmable (touch dimm)
<b>M</b> Electronic ballast non-dimmable with 1h emergency	<b>TD</b> DALI or by switch (touch dimm) dimmable
<b>M3</b> Electronic ballast non-dimmable with 3h emergency	<b>U</b> Dimmable luminaire with dimmer on the luminaire

### Colour

<b>W</b>  White	<b>B</b>  Black	<b>S</b>  Silver
<b>1021</b>  RAL 1021	<b>3000</b>  RAL 3000	<b>6021</b>  RAL 6021
<b>7006</b>  RAL 7006	<b>7045</b>  RAL 7045	