



# Atomic TOP LED HCL 1,2m

Recessed LED luminaire

Atomic TOP LED is a luminaire of a new generation characterized by a very good lighting efficiency, which ensures the high comfort of illumination. Housing is made of anodized aluminium profile with steel endings. The luminaire is equipped with a microprismatic diffuser ensures very high efficiency. It provides a very good visual comfort with no glare. It fits perfectly in offices, conference and training rooms, lecture halls as well as exhibition spaces and showrooms.

HCL version with biodynamic colour temperature offers the possibility to select the required colour temperature (from 2700K to 6500K). Human Centric Lighting luminaires perfectly fit in offices and classrooms due to its influence on efficiency and learning ability. But the greatest benefits are mainly seen in healthcare, where the natural day rhythm is important for well-being and faster healing.

## GENERAL CHARACTERISTICS

**Power supply** 198–264 VAC, 176–280 VDC

**Standard** EN 60598-1, EN 60598-2-1, EN 60598-2-22 (fundamental requirements), EN62471 (Photobiological hazard)

**Protection grade** IP40, IK05

**Working temp.** -20 ÷ +40°C

**Mounting** recessed mounting in plaster ceilings

**Body** anodized aluminium profile with steel endings in grey

**Screen** microprismatic or opal optics

**Driver** DALI LED driver for Tunable White

**Control gear** 100 000 h

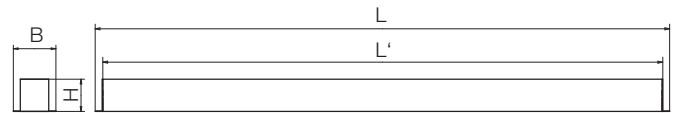
**Lifetime\*\***

**Luminous flux maintenance\*\*** > 80 000 (L80B20)

**Colour deviation** 3 SDCM

**Colour Temp.** 2 700–6 500 K

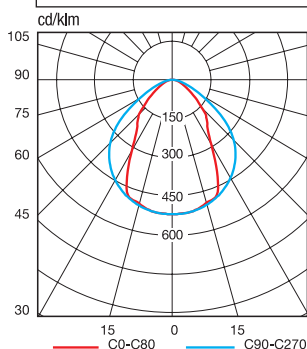
\*\* At a reference working temperature of 25°C



Length "L" including endings  
Length "L'" profile without endings  
Recess hole 65 mm × 1142 mm

• Dimensions (mm) •				Weight
L	B	H	L'	kg
1154	77	81,5	1134	2,6

## Polar Diagram



## Human Centric Lighting (HCL)

The effects of lighting on the biological rhythm of the human body have a direct impact on comfort, productivity and health in indoor environments. The model that should be followed is that dictated by nature with regard to light intensity, colour and direction, in harmony with our internal biological clock.

## Atomic TOP LED Human Centric Lighting (HCL)



Order code	Description	LED Power W	Colour Temp. K	Colour rendering	Power consumption Max W	N° LEDs	Flux of LEDs lm (Tj=25°C)	Flux of fixture lm	Luminous efficiency lm/W	Energy Class	Packaging
<b>T03-10R40HW</b>	Atomic TOP LED 2700–6500K 1,2m	17	4000	>80	20	64	2400	1900	95	A+	1
<b>T03-10R40HZ</b>	Atomic TOP LED 2700–6500K 1,2m	17	4000	>80	20	64	2400	1700	85	A+	1
<b>T03-10R41HW</b>	Atomic TOP LED 2700–6500K 1,2m	30	4000	>80	34	128	4700	3100	91	A+	1
<b>T03-10R41HZ</b>	Atomic TOP LED 2700–6500K 1,2m	30	4000	>80	34	128	4700	2700	79	A+	1

R<sub>a</sub>>90 on request, Z – opal cover, W – microprismatic cover