

# BELTR LED



... indoor, plastic, surface-mounted, batten, MultiLumen.

## USE

The light fitting is suitable for offices, hallways, school interiors, libraries, lecture rooms, sanitary rooms, hospitals and passenger terminals.

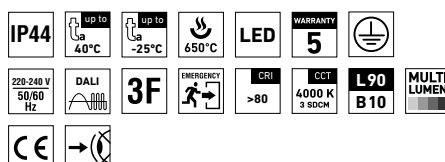
**Thanks to the MultiLumen function**, the luminaire can be adjusted for changing lighting requirements without much effort.

Thanks to its high luminous efficiency and low electricity consumption it is a suitable replacement for light fittings with fluorescent tubes.

## ADVANTAGES

- Light fitting protection **IP44**
- Maximum ambient temperature up to **t<sub>a</sub> = 40 °C**
- Lifetime: 50,000 hours / L90B10
- Diffuser: translucent polycarbonate (PC) = high mechanical resistance
- Body: steel sheet, white colour (RAL 9003)
- Up to 45 % lower electricity consumption when compared to tubes T5
- In DALI version possibility of constant luminous flux for whole lifetime (CLO)
- Standard model - CRI > 80: 4000 K
- At request CRI > 80: 3000 K, 5000 K, 6500 K, CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K

- **MultiLumen (ML)** function enables simple switching between up to four luminous fluxes via driver's DIP switch.
- It can be delivered in dimmable or emergency version
- Possibility to through-wire individual light fittings to row with the use of external terminal blocks
- Certification: CE



## BELTR LED



## TECHNICAL DESCRIPTION

- Light fitting protection: IP44
- Maximum ambient temperature:  $t_a = 40^\circ\text{C}$ , Maximum ambient temperature:  $t_a = 0-40^\circ\text{C}$  (version with emergency back-up source M3hAt)
- Maximum system efficacy: 143 lm/W
- The watt and lumen values can vary by  $\pm 7,5\%$
- Standard model - CRI > 80: 4000 K
- MacAdam = 3 SDCM
- Lifetime: 50,000 hours / L90B10
- Diffuser: translucent polycarbonate (PC), UV stable, impact-resistant
- Body: steel sheet, white colour (RAL 9003)
- **MultiLumen (ML)**: luminous flux variable in up to 4 steps. In the standard version preset maximum luminous flux.
- Side covers: white (ABS), UV stable, with offsets allowing fixing the light fitting with enclosed screws M4 against tampering
- Cable gland: white, rubber
- Terminal block: screwless, three-pole (basic version)
- Electric equipment: LED modules, current driver or current driver DALI

Type	Luminous flux of LED modules [lm]	Preselected Step 1 of MultiLumen function			Net weight [kg]	A [mm]	D [mm]
		Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]			
For ambient temperature $t_a = 40^\circ\text{C}$ - body: steel sheet, white colour - diffuser: translucent polycarbonate							
BELTR LED 1.2ft 1600/840	1630	1320	10,5	126	0,8	610	500
BELTR LED 1.4ft 3200/840	3260	2640	20,1	131	1,4	1170	1000
BELTR LED 1.5ft 4000/840	4180	3390	25,3	134	1,8	1450	1000
BELTR LED 2.2ft 3200/840 *	3250	2630	20,1	131	1,3	610	500
BELTR LED 2.4ft 6400/840 *	6520	5280	38,4	138	2,3	1170	1000
BELTR LED 2.5ft 8000/840 *	8330	6750	48,3	140	2,9	1450	1000

\*) Also available with MultiLumen function:

Type	MultiLumen function								
	Step 2			Step 3			Step 4		
	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]
BELTR LED 2.2ft ML 3200/840	2280	17,3	132	1930	14,5	133	1560	12,3	127
BELTR LED 2.4ft ML 6400/840	4580	32,9	139	3860	27,4	141	3130	22,0	142
BELTR LED 2.5ft ML 8000/840	5850	41,5	141	4950	34,6	143	4000	27,9	143

## BELTR LED

Kód	Typ	ML	3F	M3hAt	3F M3hAt
106917	BELTR LED 1.2ft 1600/840	x	x	x	x
106919	BELTR LED 1.4ft 3200/840	x	x	110105	x
106921	BELTR LED 1.5ft 4000/840	x	x	110106	x
106923	BELTR LED 2.2ft 3200/840	110347	106929	x	x
106925	BELTR LED 2.4ft 6400/840	110348	106931	110107	110072
106927	BELTR LED 2.5ft 8000/840	110349	106933	110108	110073

## BELTR LED DALI

Code	Type	ML	3F	M3hAt	3F M3hAt
106947	BELTR LED 1.2ft 1600/840 DALI	x	x	x	x
106949	BELTR LED 1.4ft 3200/840 DALI	x	x	110109	x
106951	BELTR LED 1.5ft 4000/840 DALI	x	x	110110	x
106953	BELTR LED 2.2ft 3200/840 DALI	x	106959	x	x
106955	BELTR LED 2.4ft 6400/840 DALI	x	106961	110111	110074
106957	BELTR LED 2.5ft 8000/840 DALI	x	106963	110112	110075

Digitally dimmable DALI driver

BELTR LED SNS

Code	Type
106977	BELTR LED 2.2ft SNS 3200/840
106979	BELTR LED 2.4ft SNS 6400/840
106981	BELTR LED 2.5ft SNS 8000/840

Microwave motion sensor

ML	3F	M3hAt	3F M3hAt
x	106983	x	x
x	106985	110113	110076
x	106987	110114	110077

LEGEND

- ML** - MultiLumen version with variable luminous flux
- 3F** - 3-phase 5 core through-wiring in the luminaire
- M3hAt** - emergency back-up source with 3 hour operating time for maintained emergency illumination with battery autotest
- 3F M3hAt** - 3-phase 5 core through-wiring in the luminaire (L3 used for emergency unit unswitched power supply)
- DALI** - version with digital dimmable driver DALI
- SNS** - version with microwave motion sensor

LIGHT FITTING ATTACHMENT

Directly to a ceiling or a wall with the use of screws



LIGHT FITTING DETAILED VIEW

BELTR LED

