

## Product information sheet

### COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** Besteco

**Supplier's address:** Besteco S.R.O, Uvalska 34, Prague 10, Czech Republic

**Model identifier:** MLSB70-150-H

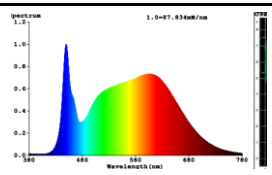
**Type of light source:** LED

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	No cap-type		
Mains or non-mains:	NMLS	Connected light source (CLS):	no
Colour-tuneable light source:	no	Envelope:	no
High luminance light source:	no		
Anti-glare shield:	no	Dimmable:	no

#### Product parameters

Parameter	Value	Parameter	Value
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#### General product parameters:

Energy consumption in on-mode (kWh/1 000 h), <b>rounded up to the nearest integer</b>	26	Energy efficiency class	D
Useful luminous flux ( $\Phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	4037 lm in Wide cone (120°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	4000K
On-mode power ( $P_{on}$ ), expressed in W	26	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0.00
Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal	-	Colour rendering index, rounded to the nearest integer, or the range of CRI- values that can be set	87.4
Outer dimensions (⌀) (⌀) without separate control gear, lighting control parts and non- lighting control parts, if any (millimetre)	Height	4000mm	Spectral power distribution in the range 250 nm to 800 nm, at full-load 
	Width	8mm	
	Depth	5mm	
Claim of equivalent power (⌀)	no	If yes, equivalent power (W)	no
		Chromaticity coordinates (x and y)	0,3722 0,3730

#### Parameters for directional light sources:

Peak luminous intensity (cd)	-	Beam angle in degrees, or the range of beam angles that can be	120
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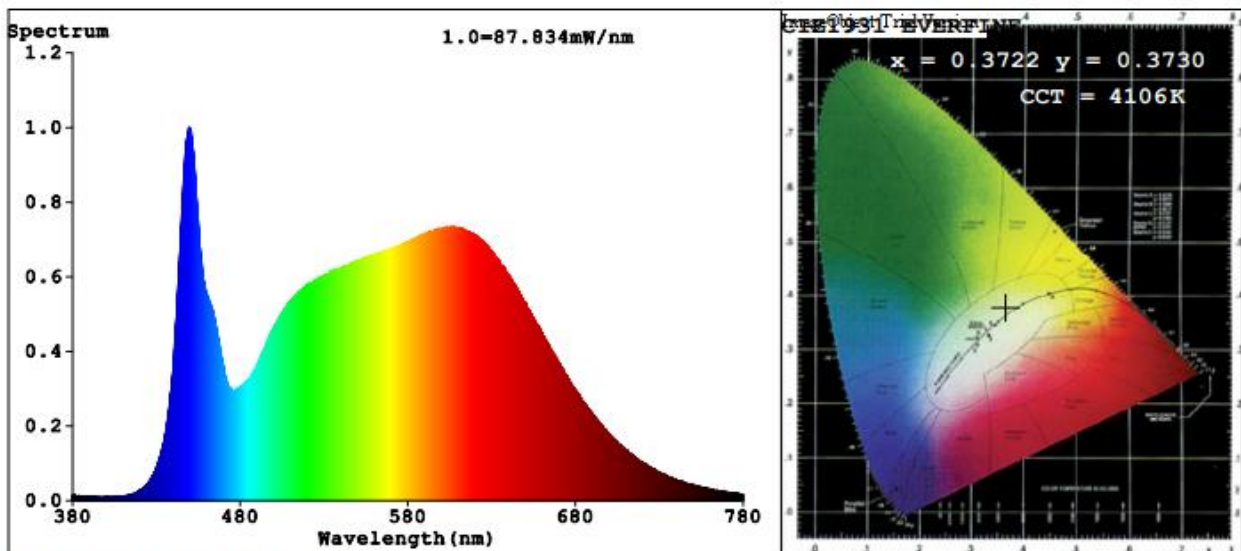
**Parameters for LED and OLED light sources:**

R9 colour rendering index value	54	Survival factor	$\geq 0.9$
the lumen maintenance factor	$\geq 0.96$		

**Parameters for LED and OLED mains light sources:**

displacement factor ( $\cos \phi 1$ )	-	Colour consistency in McAdam ellipses	-
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	-	Stroboscopic effect metric (SVM)	-

### Spectrum Test Report



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3722$   $y=0.3730$  /  $u'=0.2212$   $v'=0.4987$   
 CCT=4106K (Duv=0.0007) Dominant WL:Ld =577.8nm WL:Lc = --nm Purity=23.6%  
 Ratio:R=18.9% G=76.8% B=4.3% Peak WL:Lp=449.5nm FWHM=22.1nm  
 Render Index:Ra=91.4 CRI=87.4

R1 =91 R2 =94 R3 =96 R4 =92 R5 =91 R6 =91 R7 =93  
 R8 =83 R9 =54 R10=86 R11=92 R12=70 R13=92 R14=98 R15=88

**Photo Parameters:**

Flux = 4037 lm Eff. : 158.91 lm/W Fe = 13.35 W

**Electrical parameters:**

V = 11.997 V I = 2.117 A P = 25.40 W PF = 1.000