

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: MLSB70-130-H

Type of light source: LED

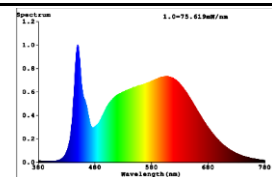
Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	No cap-type		
Mains or non-mains:	NMLS	Connected light source (CLS):	no
Colour-tuneable light source:	no	Envelope:	no
High luminance light source:	no		
Anti-glare shield:	no	Dimmable: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

Product parameters

Parameter	Value	Parameter	Value
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General product parameters:

Energy consumption in on-mode (kWh/1 000 h), rounded up to the nearest integer	23	Energy efficiency class	D
Useful luminous flux (Φ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3465 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	23	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	87.7
Outer dimensions (⌀) (⌀) without separate control gear, lighting control parts and non- lighting control parts, if any (millimetre)	Height	3800mm	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)	0,3721 0,3721



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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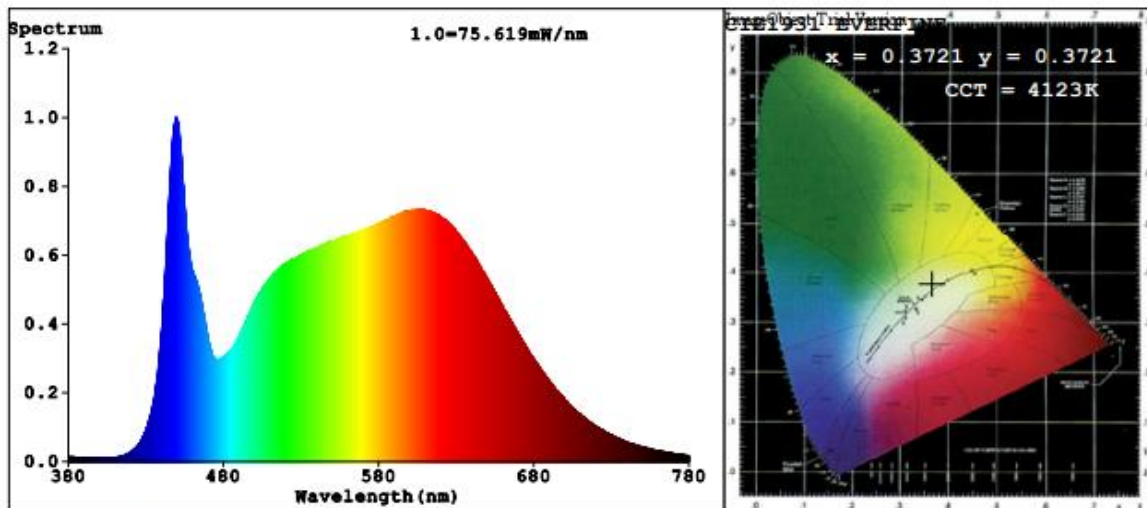
Parameters for LED and OLED light sources:

R9 colour rendering index value	55	Survival factor	≥0.9
the lumen maintenance factor	≥0.96		

Parameters for LED and OLED mains light sources:

displacement factor (cos φ1)	-	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=0.3721 y=0.3721/u'=0.2214 v'=0.4983
 CCT=4123K (Duv=0.0004) Dominant WL:Ld =578.0nm WL:Lc = --nm Purity=23.3%
 Ratio:R=18.9% G=76.8% B=4.3% Peak WL:Lp=449.8nm FWHM=22.1nm
 Render Index:Ra=91.6 CRI=87.7

R1 =92 R2 =95 R3 =96 R4 =92 R5 =91 R6 =92 R7 =93
 R8 =83 R9 =55 R10=87 R11=92 R12=70 R13=93 R14=98 R15=88

Photo Parameters:

Flux = 3465 lm Eff. : 153.16 lm/W Fe = 11.50 W

Electrical parameters:

V = 11.997 V I = 1.886 A P = 22.62 W PF = 1.000
 LEVEL:OUT WHITE:ANSI_4000K
 Status: Integral T = 462 ms Ip = 55364 (84%)
 CRT5702