Product information sheet

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

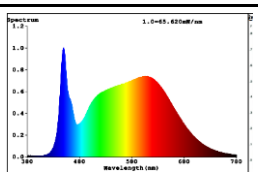
Supplier's name or trade mark:	Besteco
Supplier's address:	Besteco S.R.O，Uvalska 34, Prague 10, Czech Republic
Model identifier:	MLSB70-110-H
Type of light source:	LED

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

General product parameters:

Energy consumption in on-mode (kWh/1 000 h), **rounded up to the nearest integer**	20	Energy efficiency class	D
Useful luminous flux (Φuse), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	3074 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	20	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0.00
Networked standby power (P_{net}) for CLS, expressed in Wand 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 (a) (c) without separate control gear, lighting control parts and non- lighting control parts, if any (millimetre) — Height	3400mm	Spectral power distribution in the range 250 nm to 800 nm, at full-load	
Width	8mm		
Depth	5mm		
Claim of equivalent power (c)	no	If yes, equivalent power (W)	no
		Chromaticity coordinates (x and y)	0,3729 0,3741

Parameters for directional light sources:

Peak luminous intensity (cd)	_	Beam angle in degrees, or the range of beam angles that can be	120

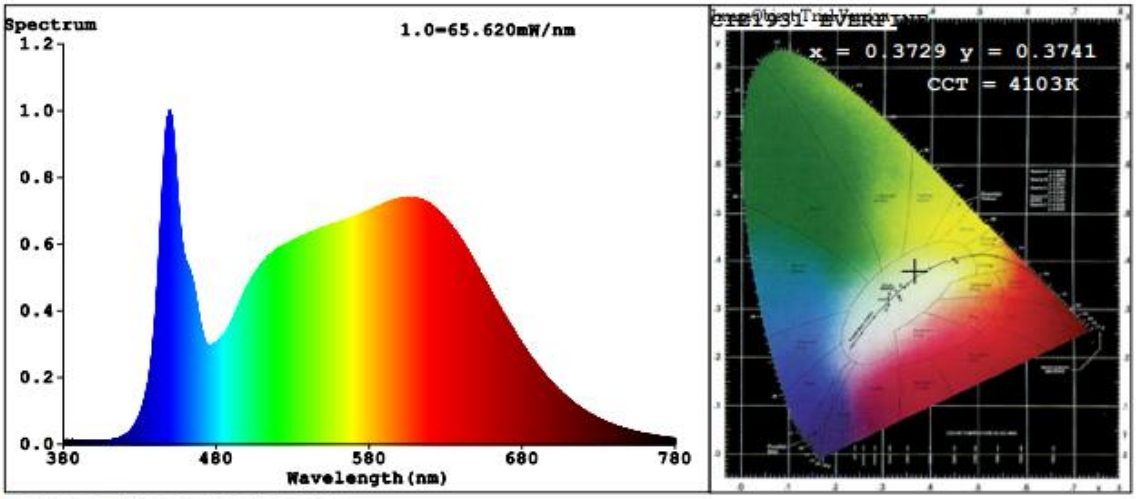
Parameters for LED and OLED light sources:

R9 colour rendering index value	54	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=0.3729 y=0.3741/u'=0.2212 v'=0.4993

CCT=4103K(Duv=0.0010) Dominant WL:Ld =577.7nm WL:Lc = --nm Purity=24.2%

Ratio:R=18.9% G=76.9% B=4.3% Peak WL:Lp=449.7nm FWHM=22.2nm

Render Index:Ra=91.4 CRI=87.4

R1 =91 R2 =94 R3 =96 R4 =92 R5 =91 R6 =91 R7 =93

R8 =82 R9 =54 R10=86 R11=92 R12=70 R13=92 R14=98 R15=88

Photo Parameters:

Flux = 3047 lm Eff. : 153.02 lm/W Fe = 10.07 W

Electrical parameters:

V = 11.997 V I = 1.660 A P = 19.91 W PF = 1.000

LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 462 ms Ip = 49522 (76%)

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