Product information sheet

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

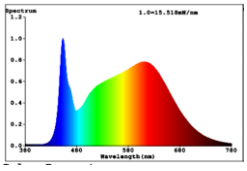
Supplier's name or trade mark:	Besteco
Supplier's address:	Besteco S.R.O, Uvalska 34, Prague 10, Czech Republic
Model identifier:	MSC60X70
Type of light source:	LED

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**	21	Energy efficiency class	E
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°)	3026 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	21	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	89.7
Outer dimensions (-) (-) without separate control gear, lighting control parts and non- lighting control parts, if any (millimetre) — Height	3600	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)	0,3815, 0,3752

Parameters for directional light sources:

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

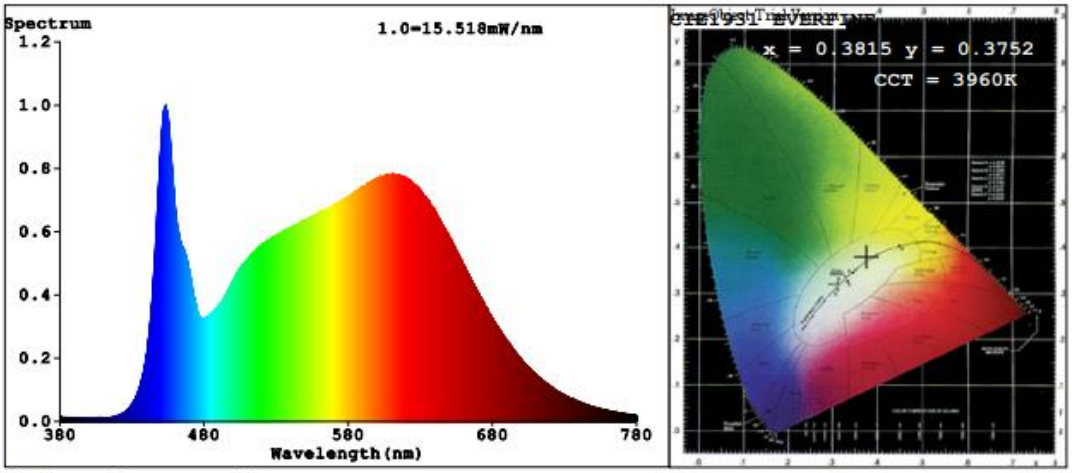
Parameters for LED and OLED light sources:

R9 colour rendering index value	62	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=0.3815 y=0.3752/u'=0.2264 v'=0.5010
CCT=3960K(Duv=-0.0010) Dominant WL:Ld =579.8nm WL:Lc = --nm Purity=27.1%
Ratio:R=20.0% G=75.6% B=4.4% Peak WL:Lp=453.5nm FWHM=23.2nm
Render Index:Ra=92.9 CRI=89.7

R1 =94	R2 =98	R3 =98	R4 =92	R5 =92	R6 =94	R7 =92	
R8 =84	R9 =62	R10=93	R11=92	R12=70	R13=95	R14=99	R15=91

Photo Parameters:

Flux = 724.2 lm Eff. : 129.42 lm/W Fe = 2.426 W

Electrical parameters:

V = 11.997 V I = 0.4664 A P = 5.595 W PF = 1.000
LEVEL:OUT WHITE:ANSI_4000K
Status: Integral T = 1696 ms Ip = 45073 (69%)
GBT5702

X
2PCS