

# Technical Documentation

Regulation (EU) 2017/1369, (EC) No 642/2009, (EC) No 1275/2008

Manufacturer: Loewe Technology GmbH, Industriestraße 11, 96317 Kronach, Germany

## a) General Description:

Product: **Colour Television Receiver with LCD Flat Panel Display**  
Product identification: **bild 1.43 58411\*80** (\* Letter for colour variant)

## b) Reference to standards applied or used

On-Mode: EN 62087:2016  
On Average with three vertical bar signal (3.2.1.3)  
for EN 60107-1:1998

Networked Standby/Standby/Off- Mode: EN 50564:2011  
Accumulated Energy Approach  
Switching on /off with remote control into standby mode.

## c) Specific precautions:

no specific precautions necessary, for general conditions see document „Instruction manual“

## d) Measured technical parameters:

Power consumption (P) at on-mode (Home-mode)	<b>74,0 W</b>
Luminance at Home-mode ( $L_{HM}$ )	<b>250 cd/m<sup>2</sup></b>
Luminance maximal ( $L_{max}$ )	<b>362 cd/m<sup>2</sup></b>
Power consumption at standby	<b>0,26 W</b>
Power consumption at networked standby (WoWLAN)	<b>0,95 W</b>
Power consumption at off-mode	<b>0,00 W</b>
Visible screen diagonal	<b>108 cm / 43 inches</b>
Visible screen area (A)	<b>49,83 dm<sup>2</sup></b>
Automatic power down	<b>4 h</b>

## e) Calculation

Luminance ratio ( $L_{HM} / L_{max}$ ) :	<b>69 %</b>
$P_{ref} = P_{basic} + A \times 4,3224$	<b>239 W</b>
$P_{basic} = 24 W$ (televisions with two or more tuners)	
$P_{abc} = P - 5\%$ (televisions with automatic brightness control)	<b>70,3 W</b>
<b>EEL (<math>P_{abc} / P_{ref}</math>) / Energy efficiency class</b>	<b>0,294 / A</b>
Annual on-mode energy consumption <b>E</b> (= $1,46 \times P_{abc}$ ):	<b>103 kWh</b>

## f) Testing conditions:

Art.-No. / Ser.-No.	Software Version	Ambient temperature	Test voltage	Frequency	(THD)	Input signal
58411W80 / 505	6.0.15.0	20°C	230 V	50 Hz	2%	HDMI

Used test equipment: ZES Zimmer LMG 95 Precision Power Meter, Minolta LS-110 luminance meter  
Video content for EN 62087:2016 on BluRay

Issuer: Loewe Technology GmbH

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Legally binding signature: \_\_\_\_\_

Name:



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