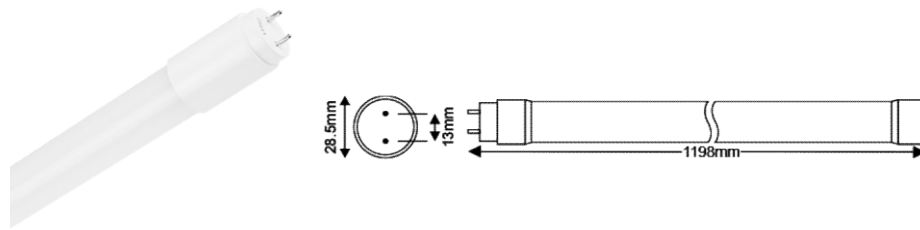


Product Datasheet



Products Family : Bulbs
Products Name : LED Tube

Datasheet is valid for following Model numbers

Product Code	CCT
BA52-21280	3000K
BA52-21281	4000K
BA52-21283	6500K

Manufacturer:
Demgrup international lighting limited
unit d 16/f,one capital place,18 luard road
wan chai, Hong Kong
www.demgrup.com.tr

Importer/Brand Owner:
Braytron S.R.L
Bulevardul iuliu maniu,nr.616, corp B
etaj 3 sector 6,061129 bucuresti, Romania
info@braytron.com www.braytron.com

Test condition:light for 15 mins under nominal voltage input and 25°C±1°working environment

General Characteristics

- Family : Bulbs
- Sub Family : LED Tube
- Mounting Type : Socket
- Socket : G13
- Lamp Shape : Non-Directional
- Dimmable : No(Optional)
- Light Source : LED
- Warranty : 2 years

Electrical Characteristics

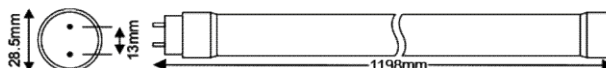
- Lifetime (at 2.7 hrs/day) : 15000 h
- Voltage : 220-240 V
- Frequency : 50-60 Hz
- Current : 155 mA
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : 0.7
- Number of Switch Cycles : > 12500
- Material : Glass
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment humidity(working) : 10%~60%

Lamp Characteristics

- Wattage : 18 w
- Color Temperatue : 3000K/4000K/6500K
- Color Category : Warm White/Natural White/Cool White
- Luminous Flux : 1800 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : A+
- Beam Angle : 270 Degree(s)
- Chromaticity(SDCM) : < 6

Lamp Dimensions & Weight

- Diameter : 28.5 mm
- Height : 1198 mm
- Weight(Net) : 180 gr



Reliability requirements

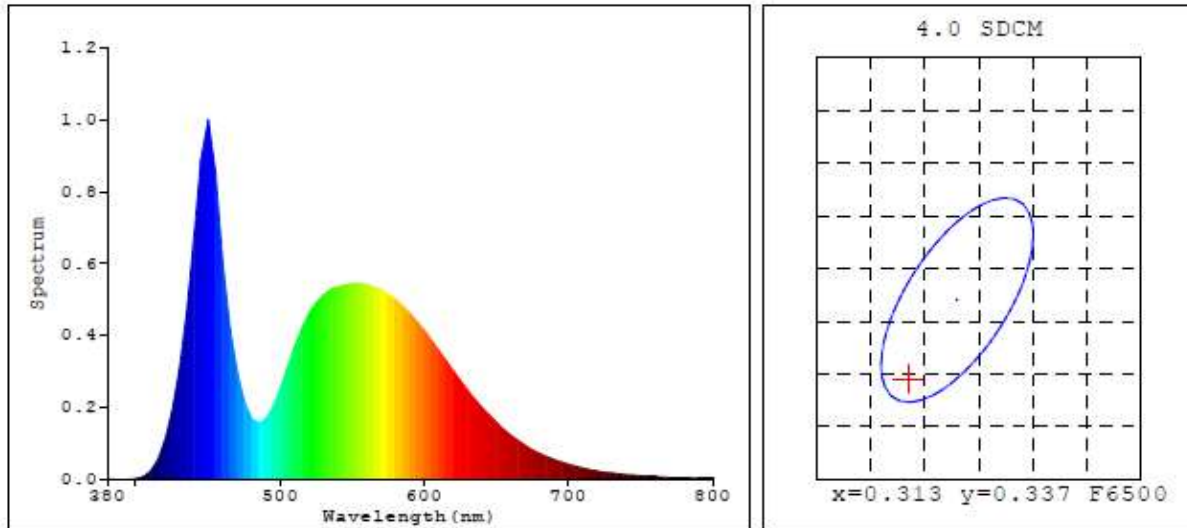
- Lumen maintenance : Lumen maintenance is not lower than 92% after lighting for 3000h,and not lower than 88% after lighting for 6000H and not lower than 70% after lighting for 70% of lifespan
- Working life : Under nominal voltage input, working life is forced not lower than 15000h in 25°C±1°C

Remarks:

Declared values above may vary ±%5



Optical and electrical test parameter:



Color Parameters:

Chromaticity Coordinate: $x=0.3085$ $y=0.3294$ / $u'=0.1948$ $v'=0.4679$
 Tc=6730K Dominant WL:Ld=489.7nm Purity=8.7% Centroid WL:538.0nm
 Ratio:R=12.9% G=83.0% B=4.1% Peak WL:Lp=450.0nm HWL:26.9nm
 Render Index:Ra=73.4
 R1 =70 R2 =77 R3 =81 R4 =74 R5 =72 R6 =69 R7 =83
 R8 =61 R9 =-30 R10=44 R11=71 R12=46 R13=71 R14=89 R15=65

Photo Parameters:

Flux: 1809.6 lm Fe: 5.3367 W Efficacy:99.92 lm/W
 LEVEL: WHITE:OUT

Electrical Parameters:

Luminaire: U=230.6V I=0.1330A P=18.11W PF=0.5903

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0]
 REF=11441(R=3) %=-0.159%

Ip=44022(G=4,D=61)
 PMT: 25.6 centigrade [24.3]