



LED RECESSED PANEL

b-STELLAR Series

TECHLUMEN LED panel b-STELLAR series, sized 120cm X 60cm, offers powerful lighting with minimum consumption.

b-STELLAR updated version has efficacy up to 185lm/W.

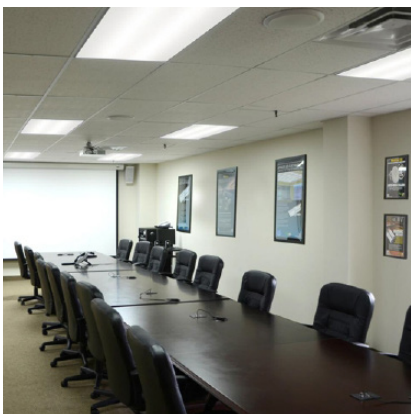
b-STELLAR's basic version of **46 W has superior luminous power compared to conventional fluorescent 4X36W lamp systems.**

b-STELLAR is also produced with 12000+lm and 16800+ lm output, that applies to high ceiling spaces, reducing the required number of luminaires.

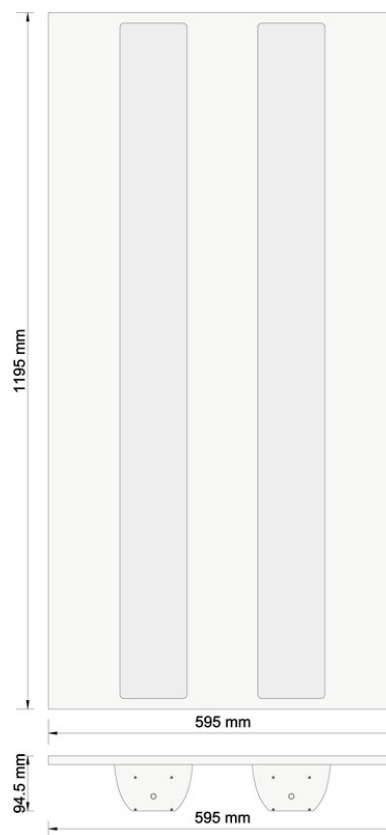
It is made of aluminum, while the protective cap is made of PMMA, which offers excellent light transmission and has excellent durability.

They are painted with powder coating in any RAL color.

b-STELLAR has **5 years warranty** and L80 rating of 70000h.



Dimensions



Pros

- Low working temperature
- It produces little heat compared to other types of lighting
- Requires no maintenance
- Long life - 5 years warranty
- Easy installation
- High reliability
- Excellent performance with low power consumption
- High brightness
- High color rendering
- Instant start - immediate termination
- It does not emit UV or IR radiation
- Does not contain mercury
- Resistance to shock and vibration

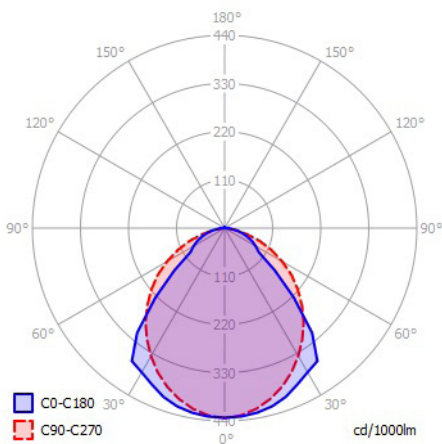
Manufactured in Greece



| Model | b-STELLAR Series |
|---------------------|--|
| Luminous Flux | 7832 lm - 17040 lm |
| Power | 46W - 96W |
| Ambient Temperature | -30 °C - + 40 °C |
| Efficacy | 173 - 185 lm/W |
| Power Factor | 0,95 |
| CRI | >80 |
| CCT | 3000K - 5000K |
| IP Rating | IP44 |
| Body | Galvanized steel & Aluminium |
| Finishing | Powder Coating - RAL selection |
| Dimensions | 1195mm X 595mm X 94.5mm |
| Weight | 8.8 Kg |
| Warranty | 5 years |
| Compliances | CE EN 60598-1:2021 EN 60598-2-1: 2021 EN 60598-2-2: 2023 EN 61000-3-2:2019 EN 61000-3-3:2013 + AMD1:2017 + AMD2:2021 EN 61547:2020 EN 55015:2019 EN 62471:2008 EN 62493:2015 EN 50581:2012 Directive (LVD) 2014/35/EU Directive (EMC) 2014/30/EU Directive (RoHS) 2011/65/EC Directive (REACH) 2006/1907/EC Directive (EuP) 2009/125/EC Directive (GPS) 2001/95/EU |

| b-STELLAR series versions | | | | | |
|---------------------------|------------------|------|-----|-------|------|
| Watt | Code | CCT | CRI | Lumen | Lm/W |
| 46 W | b-STELLAR-830-46 | 3000 | 80 | 7832 | 173 |
| | b-STELLAR-840-46 | 4000 | 80 | 8200 | 181 |
| | b-STELLAR-850-46 | 5000 | 80 | 8360 | 185 |
| 68 W | b-STELLAR-830-68 | 3000 | 80 | 12080 | 177 |
| | b-STELLAR-840-68 | 4000 | 80 | 12220 | 180 |
| | b-STELLAR-850-68 | 5000 | 80 | 12460 | 183 |
| 96 W | b-STELLAR-830-96 | 3000 | 80 | 16820 | 176 |
| | b-STELLAR-840-96 | 4000 | 80 | 16840 | 176 |
| | b-STELLAR-850-96 | 5000 | 80 | 17040 | 178 |

Polar Intensity Diagram



AFOI TSIOLAKI & SIA OE G.P.
Industrial Zone of Thessaloniki
Greece
T: +302310 798 335
F: +302310 799 868

e-mail: info@techlumen.gr
www.techlumen.gr

[facebook.com/Techlumen](https://www.facebook.com/Techlumen)
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