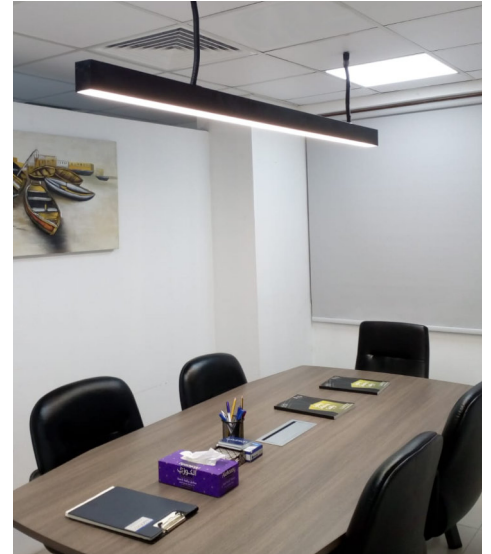




Salient features

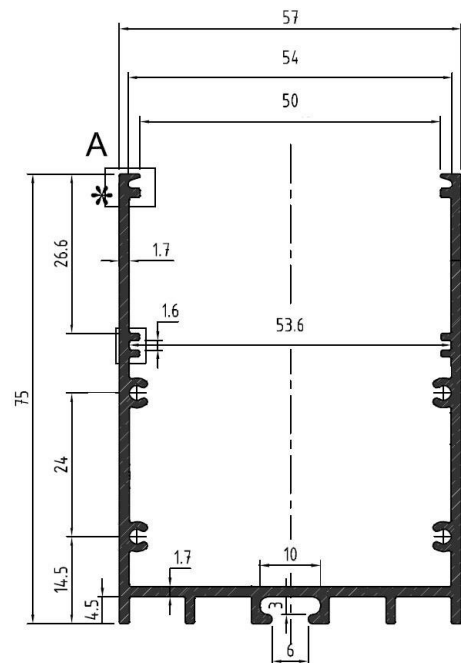
- Diffused output, suspended LED linear fixture.
- High efficacy up to 163 lm/W (from source)
- Diffused light output with opal diffuser.
- Various color temperatures options from cool white to warm white.
- High colour rendering index CRI>80
- Accurate colour matching, 3-step MacAdam.
- Made from Zhaga compliant components.
 - LED sources from Helvar or Italian OEMs.
 - Electronic controlgear from Helvar. (LED driver is in-built)
- DALI-2 / 1-10V / Switch-Dim / Wireless control options.
- Suitable for use in retail, commercial and hospitality applications.



Technical details

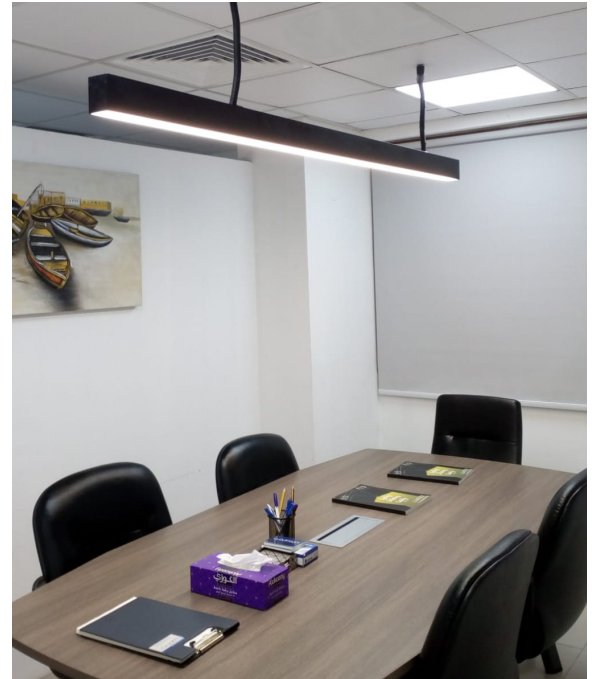
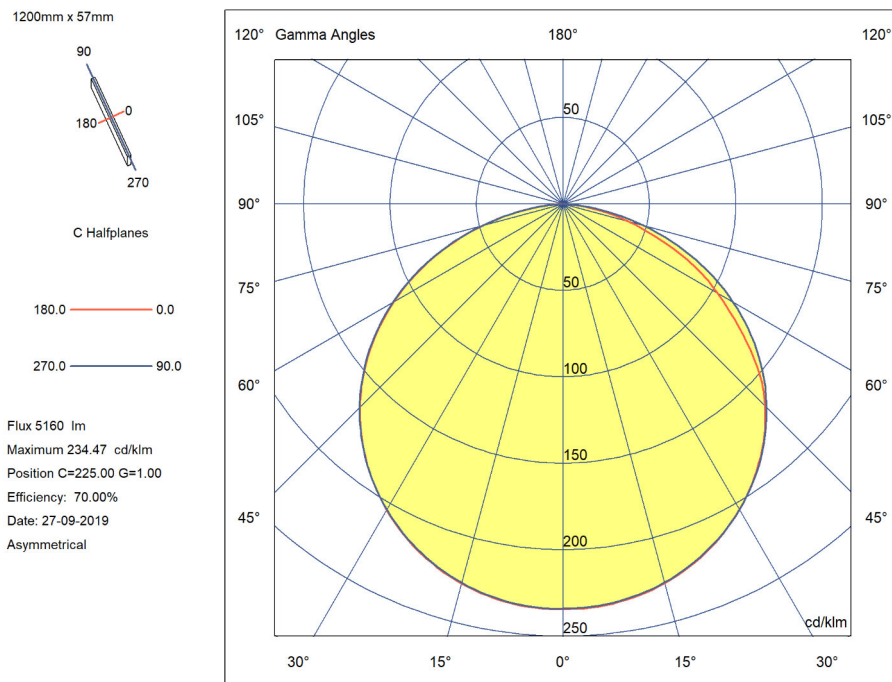
Load Wattage	33 W can be modified to meet requirements according to work space
Input Voltage	220-240 V AC, 50 - 60 Hz
Diffuser	PC Opal Diffuser Clear and Frosted Options are also available on request
Color Temperature	3000K / 4000K / Tunable White can be altered depending on requirement
Tunable White Range for Tunable White model only	2700-6500K can be altered depending on requirement
Luminous Flux @ 3000K	4920 lm (source) 3444 lm (delivered)
Luminous Flux @ 4000K	5160 lm (source) 3612 lm (delivered)
Control Options	DALI-2 1-10V Switch-Dim Wireless
DALI Dimming Range	1-100% enhanced hybrid dimming range PWM and CCR dimming, more info on page 3.
DALI Device Type for Tunable White Fixtures	DALI Type 8 one device address to control 2 channels results in easier wiring and better control.
Driver location	In-built LED driver
Dimensions	L1200 x W57 x H75 mm
Light Source Width	50 mm
Finish	Silver / Black / White

Electronic control gear from **Helvar**
LED Light sources from **Helvar**

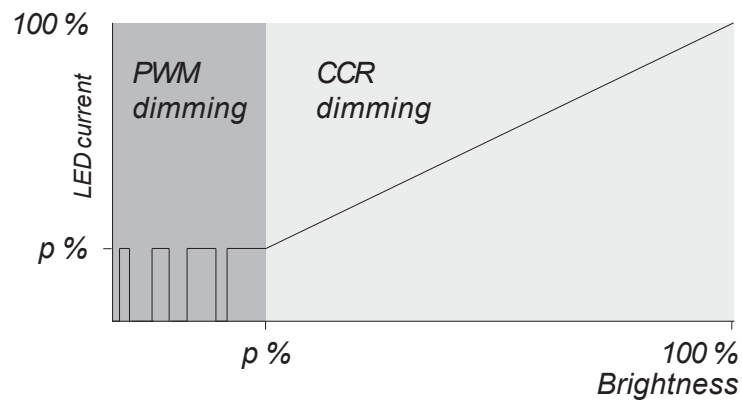


Dimensions are in mm

Polar Diagram



Hybrid Dimming



Dimming range	Dimming technique
1 % – 20 %	Pulse Width Modulation (PWM)*
20 % – 100 %	Constant Current Reduction (CCR)

* PWM dimming frequency 1 kHz - 8 kHz

Hybrid dimming products combine both Constant Current Reduction (CCR) amplitude dimming and Pulse Width Modulation (PWM) dimming. CCR is a very efficient technique for dimming the light output, especially in the higher ranges. In lower ranges of dimming, high-frequency PWM dimming allows for smooth no-flicker operation.