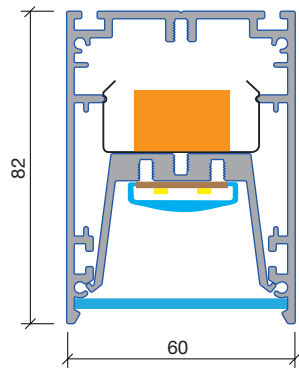


# LUMATECH

Linear Lighting Solutions

## LT60D Direct Suspended

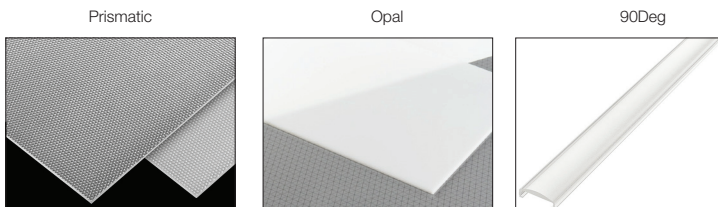


### Features

- Designed with the installer in mind for a fast & cost effective install.
- A substantial gear tray provides excellent thermal management ensuring long component life and high lumen maintenance.
- Choice of screwed or screwless endcaps.
- High efficacy up to 125Lm/W.
- Plug & play joining of long runs over 5m.
- Tridonic LED boards & drivers (3K & 4K a standard) .
- Colour consistency 3 MacAdams.
- L90 @ 50,000hrs B10 & CRI 90 as standard.
- Certified IES files.
- Designed & manufactured locally.
- Where possible components are sourced locally.
- The 6060 grade aluminium used in the production of these profiles is smelted and extruded in New Zealand.
- The CO2 emitted per Kg of aluminium produced is one of the lowest in the world.

### Diffusers

Batwing  
Asymmetric



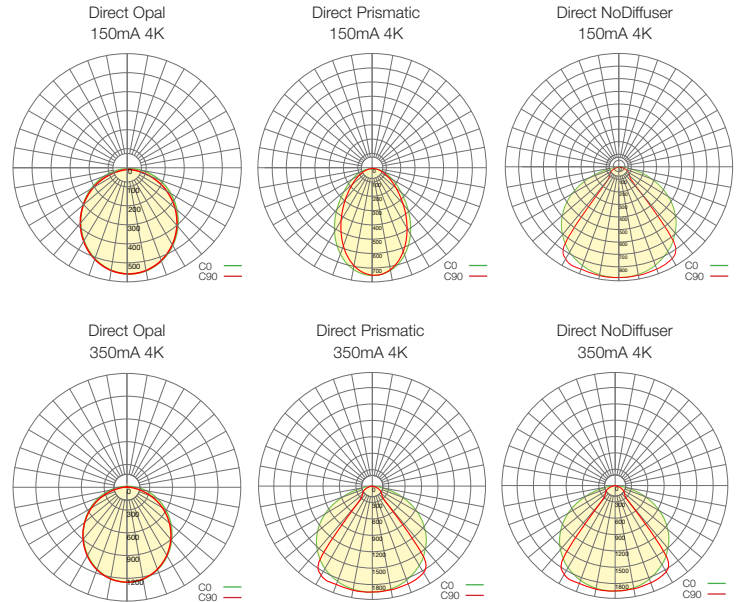
- Prismatic**
- High Transmission
  - Opalescent Appearance
  - No pixellation
  - Low UGR
  - Soft Edge Beam for Uniformity

- Opal**
- High Transmission
  - Homogeneous
  - No pixellation
  - Maintains High CRI
  - High Vertical Illuminance

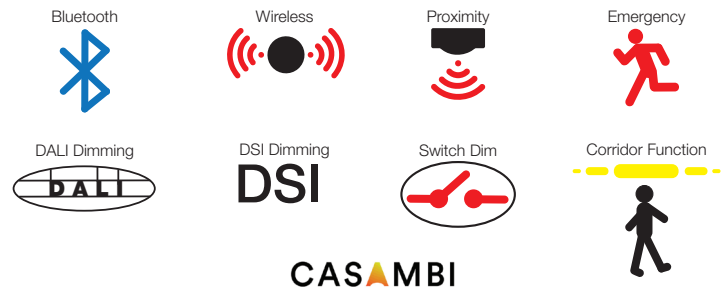
- 90Deg**
- Geartray Lens
  - 97% Transmission
  - 90deg Distribution
  - Focuses Output On Diffuser
  - Can Be Used Stand Alone

Cast sheet is chosen for diffusers due its greater dimensional stability. Linear lens are PMMA from Tridonic and provide touch protection for non SELV applications.

### Distribution



### Control - Dim - Emergency



### Colours

#### Powder Coat Colours

- Dulux Mannex White
- Dulux Mannex Black
- Dulux Mannex Silver Pearl (Light Grey)
- Custom colours to order

5 Year warranty is standard with extended warranty on request.

**5**  
YEAR  
WARRANTY

# LUMATECH

Linear Lighting Solutions

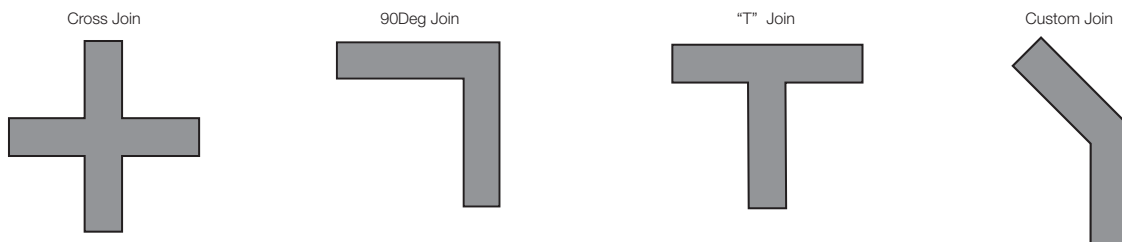
## Lumen/m

CRI90 p/m 4000K	150mA		200mA		250mA		300mA		350mA		400mA	
	Lm	W	Lm	W	Lm	W	Lm	W	Lm	W	Lm	W
Opal	1345	12.6	1929	16.5	2154	20.7	2523	25.2	2927	29.8	3356	34.0
Micro Prismatic	1246		1621		1996		2337		2712		3109	
Open	1720		2238		2756		3228		3745		4293	

CRI80 p/m 4000K	150mA		200mA		250mA		300mA		350mA		400mA	
	Lm	W	Lm	W	Lm	W	Lm	W	Lm	W	Lm	W
Opal	1587	12.6	2064	16.5	2542	20.7	2977	25.2	3454	29.8	3960	34.0
Micro Prismatic	1470		1912		2355		2758		3200		3669	
Open	2030		2641		3252		3809		4420		5066	

## Joins & Corners

- Profile corners and joins are welded providing a seamless transitions and no light leakage.
- Custom angled joins on request.
- Joins can be horizontal or vertical



## Length Calculation

- Luminaires are constructed using a combination of gear tray module sizes.
- Module lengths start from 565mm and increase by 140mm increments to achieve the required length.
- Endcap assembly requires a 10mm allowance and for recessed luminaires. This dimension becomes the cut-out dimension.
- For specified lengths that fall between the 140mm increments powder coated blanking plates can be added to avoid any unlit diffuser sections.

**Gear Tray Options:** 565mm, 705mm, 845mm, 945mm, 1125mm, 1265mm, 1405mm, 1545mm & 1685mm

**Length Example 1:** 2400mm required length >> 1125mm Geartray + 1265mm Geartray = 2390mm  
Plus 10mm for pair of endcaps = 2400mm

**Length Example 2:** 5100mm required length >> 1685mm Geartray x 3 = 5055mm  
plus 10mm for pair of endcaps = 5065mm

## Accessories & Options

- Italian 3m suspensions with tool-less height adjustment.
- Screwed endcaps for budget applications.
- Screwless endcaps for a seamless look.
- Round or square ceiling roses.
- Rod suspensions.