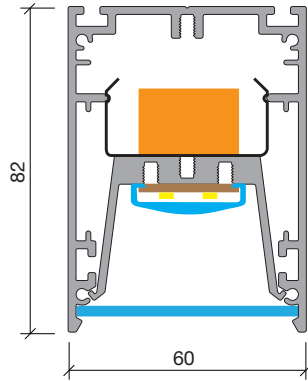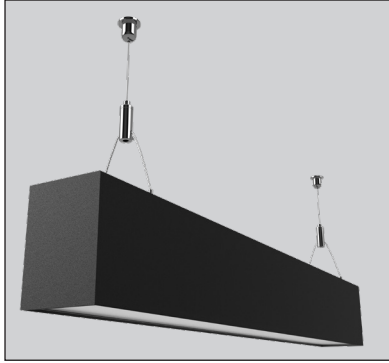# LUMATECH
Linear Lighting Solutions

LT60D Suspended-Direct

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 as standard) with 2.7K, 5K, 6.5K, Tuneable White 27-65K options & Sunlike full spectrum.
- 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 CO_2 emmitted per Kg of aluminium produced is one of the lowest in the world.

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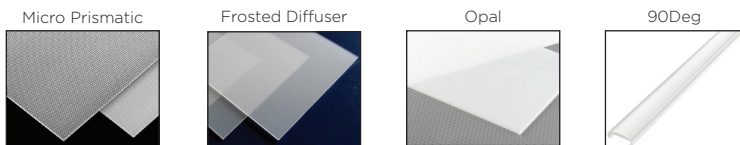
Micro Prismatic
- High Transmission
- Opalescent Appearance
- No pixellation
- Low UGR
- Soft Edge Beam for Uniformity

Frosted Diffuser
- 92% Transmission
- Homogeneous
- Maintains High CRI

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

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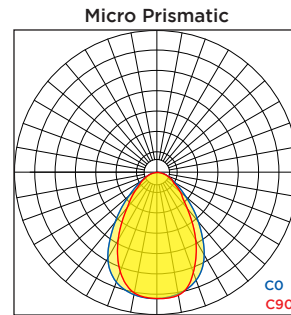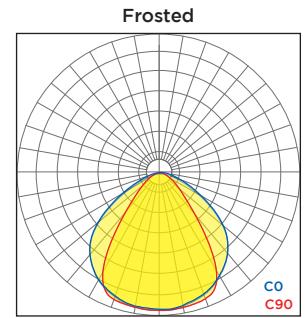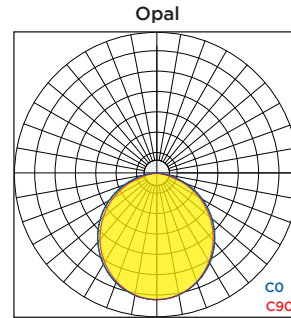- Can Be Used Stand Alone

Single Asymmetric
- Geartray Lens
- 95% Transmission
- 45deg Distribution
- Centered 20Deg off vertical

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

Opal

Frosted

Micro Prismatic

Asymmetric Frosted
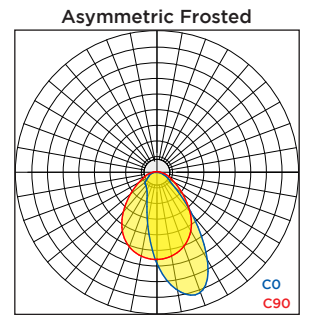
Control - Dim - Emergency

- Bluetooth
- Wireless
- Proximity
- Emergency
- DALI Dimming
- DSI Dimming
- Switch Dim
- Corridor Function
- CASAMBI

Colours

Powder Coat Colours
- Dulux Protexture White (20T1274F)
- Dulux Protexture Black (20T9215F)
- Dulux Protexture Silver Pearl (Light Grey) (21T7852F)
- Custom colours to order

5 YEAR

LUMATECH
Linear Lighting Solutions

Lumen/m

CRI90 p/m 4000K			150mA		200mA		250mA		300mA		350mA		400mA		Rows Direct Boards
			Lm	W	Lm	W	Lm	W	Lm	W	Lm	W	Lm	W	
LT60D Low Output	Opal	Direct	639	6.3	852	8.3	1065	10.4	1278	12.5	1491	14.6	1703	16.7	1 x Low Output
	Micro Prismatic		654		872		1090		1308		1526		1744		
	Frosted		726		969		1211		1453		1695		1937		
	Asymmetric Frosted		752		1002		1253		1503		1754		2004		
LT60D Medium Output	Opal	Direct	1278	12.5	1703	16.7	2129	20.9	2555	25.0	2981	29.2	3407	33.4	1 x Medium Output
	Micro Prismatic		1308		1744		2180		2616		3052		3488		
	Frosted		1453		1937		2421		2906		3390		3874		
	Asymmetric Frosted		1503		2004		2505		3006		3507		4008		
Lumen output for other boards multiply lumens by			CRI90 3000K 0.96				CRI80 4000K 1.18				CRI80 3000K 1.13				
IES Files are standard for 1m. Specific length IES files are available on request. Example 4.7m.															

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

Cross Join   90Deg Join   "T" Join   Custom Join
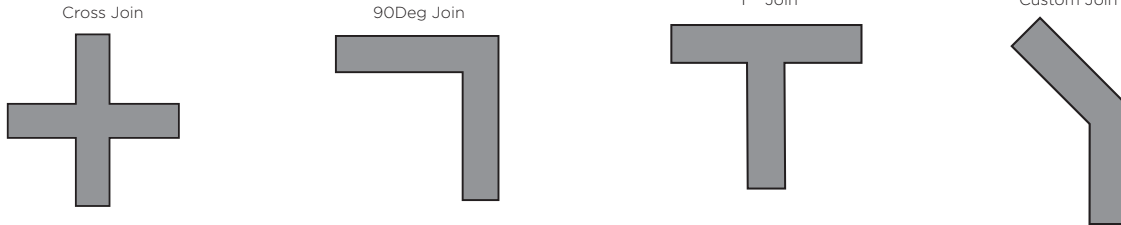
Length Calculation

Luminaires are constructed by using combinations of geartray sizes starting at 565mm and up to 1685mm
moving up in 70mm increments.
This will give a fully illuminated diffuser from end to end and joins in the profile will be positioned by Lumatech to keep uniform lengths.
High output and certain other specialist boards are only available in 280mm increments, please check with us if length is crucial.
If a specific length is required in between LED board increments available, these are achieved using blanking plates.
Endcap assemblies require a total of 15mm allowance, for recessed luminaires this becomes the cut-out dimension

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.