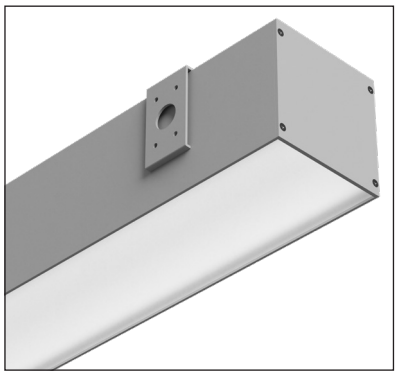
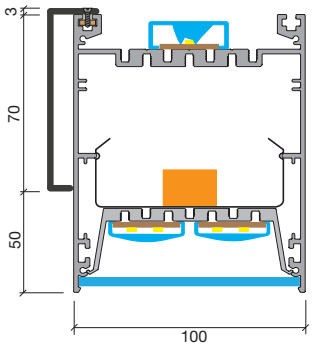
LUMATECH
Linear Lighting Solutions

LT100H Wall Bracket Mount-Direct Indirect

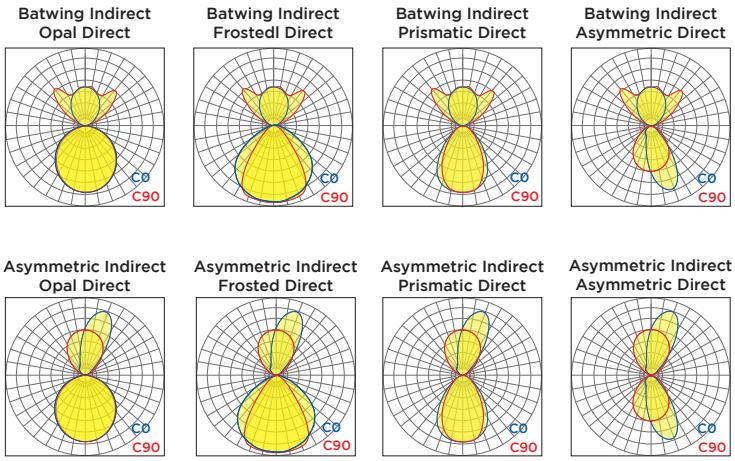




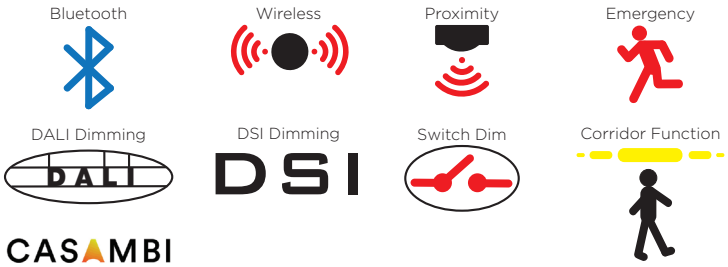
Features

- 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 CO2 emmitted per Kg of aluminium produced is one of the lowest in the world.
- The indirect component uses a Tridonic batwing or asymmetric distribution linear lens for upward illumination.
- Direct/indirect commonly switched has a 67/33 lumen split as standard a with 50/50 lumen split for individually switched.

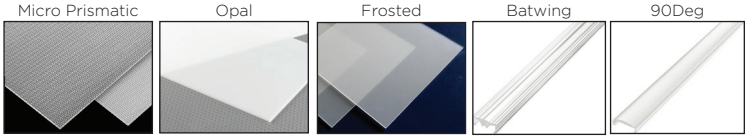
Distribution



Control - Dim - Emergency



Diffusers



Micro 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

Frosted
- 92% Transmission
- Homogeneous
- Maintains High CRI

Batwing
- 95% Transmission
- Batwing Symmetric Distribution
- Smooth Wide Wash

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

Asymmetric
- 95% Transmission
- Single Asymmetric
- Suitable For Wall Up Light
- 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.

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

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Lumen/m

CRI90 p/m 4000K			150mA		200mA		250mA		300mA		350mA		400mA		Rows Direct Boards	Rows Indirect Boards
			Lm	W	Lm	W	Lm	W	Lm	W	Lm	W	Lm	W		
LT100H Low Output	Opal	Direct	1218	12.5	1624	16.7	2030	20.9	2436	25.0	2842	29.2	3247	33.4	2 x Rows Low Output	1 x Rows Low Output
	Micro Prismatic	Direct	1350		1800		2250		2700		3150		3600			
	Frosted	Direct	1498		1997		2497		2996		3496		3995			
	Asymmetric	Direct	765		1020		1275		1530		1786		2041		1 x Rows Low Output	
	Batwing	Indirect	665	6.3	886	8.3	1108	10.4	1329	12.5	1551	14.6	1772	16.7		
	Asymmetric	Indirect	765		1020		1275		1530		1786		2041			
LT100H Medium Output	Opal	Direct	2436	24.1	3247	32.1	4059	40.1	4871	48.2	5683	56.2	6495	64.2	2 x Rows Medium Output	1 x Rows Medium Output
	Micro Prismatic	Direct	2700		3600		4500		5400		6300		7200			
	Frosted	Direct	2996		3995		4994		5992		6991		7990			
	Asymmetric	Direct	1530		2041		2551		3061		3571		4081		1 x Rows Medium Output	
	Batwing		1329	8.9	1772	11.8	2215	14.8	2658	17.7	3101	20.7	3544	23.7		
	Asymmetric		1530		2041		2551		3061		3571		4081			
LT100H High Output	Opal	Direct	3702	36.1	4936	48.2	6170	60.2	7404	72.3	8638	84.3	N/A		2 x Rows High Output	2x Rows Medium Output
	Micro Prismatic	Direct	3104		5472		6840		8208		9576					
	Frosted	Direct	4554		6072		7590		9108		10626					
	Asymmetric	Direct	2326		3102		3877		4653		5428				2 x Rows Medium Output	
	Batwing	Indirect	2658	17.7	3544	23.7	4430	29.6	5316	35.5	6402	41.4				
	Asymmetric	Indirect	3061		4081		5101		6122		7142					
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.																

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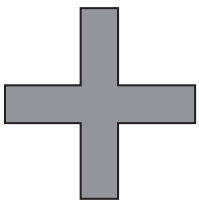
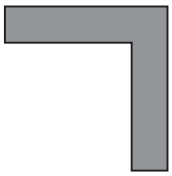
Joins & Corners

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

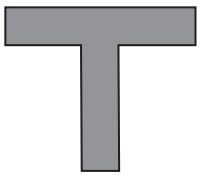
Cross Join



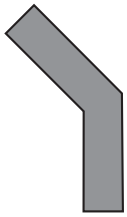
90Deg Join



"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

Screwed endcaps for budget applications.
Screwless endcaps for a seamless look.
Channel mount or bracket mount.

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