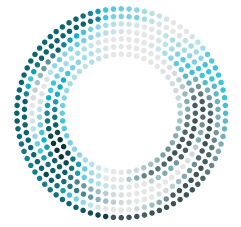


LIET

6



LIET 6



LIETCORP

Interior and exterior downlighting

Liet 6 delivers true light equivalency with the latest 50W high performance dichroic halogen lamps with the high definition colour rendering associated with Lietcorp's strict binning regime. Liet 6 is designed for a wide range of commercial and retail downlighting applications that demand quality light output combined with excellent colour spectrum.

Running at just 5.3W, Liet 6 delivers up to 90% energy saving when compared with existing halogen technology.



Running at low temperature and with no flicker Liet 6 delivers an L70 life of 90,000 hours assuring users of well in excess of 10 years operational life.

Liet 6 can be fitted quickly and easily into ceilings utilising its standard and custom bezel system. The revolutionarily slim line Liet 6 can be used for recessed or surface mounted down light applications and can be used in hazardous environments.

Liet 6 is fully dimmable across the widest range of existing and new build dimming systems. Dimming can be controlled by either the on-board dimming controller through 0-10v or by using a dedicated dimming interface for existing mains voltage dimming systems.

Liet 6 utilises Lietcorp's latest driver technology to deliver a class leading power factor.



Key data

Lamp/Luminaire Replacement

IP66

Cool Drive™

Control Smart™

Low Voltage

On-Board Driver

Fully Dimmable

Easy Fit

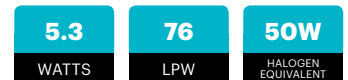
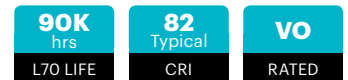
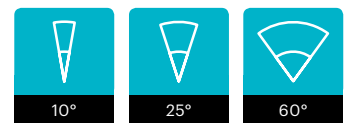
Colour Temperature

2,600K

3,000K

4,000K

Beam Angles



Bezel options



white



chrome

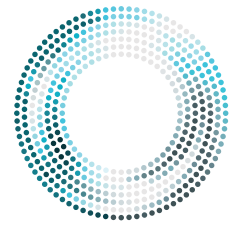


satin chrome

Applications

General downlights for use in all areas and where ceiling void is limited or in hazardous environments.





Technical data	Liet 6	Specification
Light output designed to replace	50W halogen	No of LEDs 6
Fixture lumens*	404	Dimmable Yes, 1-10V and TRIAC phase dimmable**
Lumens per watt	76	Approvals CE, RoHS, EMC and WEEE
Rated life (hrs)	90,000	Listings CE
Power consumption (full circuit watt)	5.3	IEC certified Yes
Operating current (mA) @ 12V & 24V AC	12V: 442mA; 24V: 221mA	Warranty 5 year***
		CRI 82 typical, 90 on request
		Field angles 10°, 25°, 60°
		Colour temp 2,600K; 3,000K; 4,000K
		Weight 100 + 5g
		Base type Pre-wired flying lead

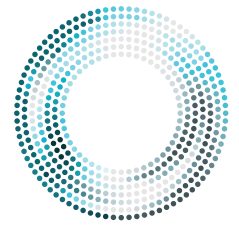
Internal LED comparison parameters	Lietcorp
1 LED make used	Cree
2 LED chip manufacturing country of origin	USA
3 LED luminaire manufacturing country of origin	United Kingdom
4 CRI>90	82 typical, 90 on request
5 CCT tolerance of LED: 3,000K < 50K, 4,000K < 90K, 2600K > 100K	Single Cree sub bin (1/16 of ANSI C78.377A Bin on CIE 1931 2 Deg space diagram, 2 step MacAdam Ellipses)
6 LED luminaire delivered efficacy	Up to 76 LPW – temperature stable fixture lumen output
7 Dimmable 1-10V / DALI	Yes, (DALI, 1-10V & TRIAC phase dimming available)
8 IES LM-80 lumen maintenance report	Testing underway, report available soon
9 Rated lifespan to L70	Up to 90,000 hours****
10 IES LM-79 (photometric test report)	Yes
11 LED fixture warranty	5 years
12 Energy Star compliance	Not tested but complies with life & energy requirements

* Fixture lumens rating is a measurement of total light output from a finished lighting fixture. This measurement can only be obtained from either a Goniophotometer or an Integrating Sphere. Fixture lumens is the most reliable, professional measurement of light output. Lietcorp has invested heavily in these measurement apparatus and has had all its data verified by the Lighting Association of Great Britain.

** Fully dimmable on leading edge TRIAC dimming systems using low voltage magnetic transformers.

*** Extended warranty available on specific projects.

**** Extremes in ambient temperature may be detrimental to the lifespan of the product.



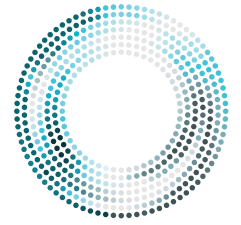
Part Specifications

Description - Liets	Part Number
Liet 6 Soft white 2,600K 10°	003-000296
Liet 6 Warm white 3,000K 10°	003-000297
Liet 6 Bright white 4,000K 10°	003-000298
Liet 6 Soft white 2,600K 25°	003-000290
Liet 6 Warm white 3,000K 25°	003-000291
Liet 6 Bright white 4,000K 25°	003-000292
Liet 6 Soft white 2,600K 60°	003-000242
Liet 6 Warm white 3,000K 60°	003-000040
Liet 6 Bright white 4,000K 60°	003-000041

Description - bezels and filters	Part Number
Liet 6 Bezel sm/design C white finish	003-000137
Liet 6 Bezel sm/design C chrome finish	003-000050
Liet 6 Bezel sm/design C satin chrome finish	003-000051
Liet 6 Bezel rec/design D white finish	003-000138
Liet 6 Bezel rec/design D chrome finish	003-000054
Liet 6 Bezel rec/design D satin chrome finish	003-000055
Liet 6 Honey with blacked out orange ring correction filter	003-000548

Description - power supplies and transformers	Part Number
Select PSU's for use with 1-10V dimming or switching only	
OCEAN LED 24V (UK rated) PSU (IP67 rated) 25W – 4 Liet's max	001-600068
OCEAN LED 24V (UK rated) PSU (IP67 rated) 60W – 10 Liet's max	001-600070
OCEAN LED 24V (UK rated) PSU (IP67 rated) 100W – 16 Liet's max	001-600072
Liet power supply unit 12V DC M4-EP-B60V-12 – 2 Liet's max	003-000286
Select transformers for use with phase TRIAC dimming systems	
Magnetic transformer 50VA – 6 Liet's max	003-000311
Magnetic transformer U139 14VA – 2 Liet's max	003-001325
Magnetic transformer U139 24VA – 4 Liet's max	003-001326

* Please note the quantity of Liet's per transformer/PSU are absolute maximum ratings based on electronic fundamentals. When considering transformer/PSU selection please take into account the loading, voltage drop for the length of circuit and the correct selection of cable cross sectional area.



Part Specifications

Description - Emergency	Part Number
LIET Emergency battery backup module	003-001195

Description - dimming unit	Part Number
Liet AC Interface module is only required when using the magnetic transformers for phase dimming, one per Liet	
Liet AC interface module	003-000287
Load adaptor for use with existing dimming systems	003-001216

Dimensions

tolerance + 1/8" (2.5mm)

