




Lechenti brings together clean, contemporary aesthetics with the latest T5 fluorescent and LED technology to create a versatile recessed/semi-recessed luminaire.

The optical design and materials are a key feature, unique TPa rated microprism side panels provide controlled distribution with excellent light transmission and diffused lamp image. Allied with the central louvre or panel option this optical performance delivers high efficacy in excess of building regulations Part L requirements and contributes to LG7 scheme compliance.

Emergency illumination, via a discrete LED, is optically controlled with an advanced lens providing exceptional spacing with square distribution in excess of 10m x 10m, thus reducing the number of emergency fittings needed to achieve the 0.5 lux requirement for anti panic areas.

- Outstanding optical performance achieving LOR of up to 87.2%
- High efficacy, with variants exceeding the requirements for Part L 2014 / Section 6 of the Building Regulations
- High energy efficiency and optical performance delivers ECA compliant variants and reduced cost of ownership
- TPa fire retardant materials, important in preventing flame propagation, required for compliance with Part B of the Building Regulations
- Exceptional spacing from the integral LED emergency reduces the number of emergency luminaires required
- Fully recessed and semi-recessed formats are available with either a central louvre or microprism panel providing a range of aesthetics to suit your application
- Integrated lighting controls options maximise energy savings, user comfort and control

## Lamp and Control Gear Options

- 14W (HE) T5 fluorescent 4000K - G5 cap   
(24W (HO) T5 fluorescent 4000K to special order)
- Energy efficient high frequency control gear as standard
- Dimming options including DSI and DALI

## Materials

- Body - welded, full box steel construction, powder coated in RAL9016 finish
- Louvre - xenoptic grade satin finish, zero iridescence, anodized aluminium
- Panel Optic - TPa rated UV stable microprism panel
- Louvre/Panel Frame - steel construction, powder coated in RAL9016 finish
- Opalised Side Panels - TPa rated, flame retardant polycarbonate fully compliant with Part B of Building Regulations

## Installation Notes

- Suitable for exposed 'T', concealed fix and some metal pan ceilings
- For ceiling compatibility refer to installation guide on page 80
- Order side support arms for 'draw up' applications (ordered separately) e.g. MSBKX bearer bracket (external fixing access required)
- Standard bearer arms accommodate 20mm to 62mm supporting grid heights
- Refer to technical support for further information on bracket options and ceiling compatibility
- Rear 'cat-flap' for ease of access to the electrical terminations for rapid installation
- Terminal block with 2 x 2.5mm<sup>2</sup> cable capacity per termination
- Louvre/Panel frame assembly retained by positive locating tabs and spring steel clips, fitted with hanging strap for hands free re-lamping
- Opalised side panels, hinged for hands free re-lamping
- Supplied complete with lamps
- Fused as standard
- Aids lighting scheme design to comply with BS EN 12464-1 - refer to the Lighting Design Guide on page 514

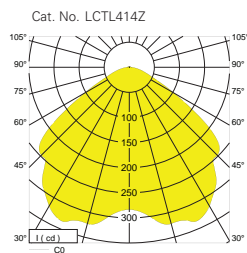
## Options

- Fully integral LED emergency conversion, 3 hour duration
- EasiCheck and Intellem self-test emergency versions available, reducing maintenance costs and offering ease of compliance with testing requirements
- Fully recessed or semi-recessed optic variants
- Choice of louvre or microprism panel for the central optic
- Intelligent lighting system controls with mini sensor head and DALI ballast (ISM part code prefix added to DALI variants)
- Air Handling versions with air bypass slots do not compromise the lamp performance whilst allowing a capacity of up to 25 l/s
- We offer a range of product support contracts to aid commissioning, reduce your maintenance costs, comply with legislative test requirements and increase the lifespan of your lighting equipment

## Specification

To specify state: Recessed/Semi-recessed luminaire, of full box welded construction with post coat powder paint, RAL9016 finish, for lay-in and draw up installations, with 65° - 2000cd/m<sup>2</sup> Xenoptic satin anodised aluminium louvre, or microprism panel centre optic, retained on spring clips, hinged opalised TPa rated polycarbonate optical side panels and T5 lamps, LED emergency option with unique lens optic delivering 10m x 10m distribution, as Eaton's Lechenti range part no \_\_\_\_\_

## Photometric Data



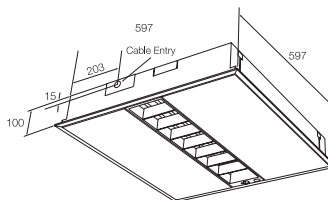
LOR: 0.86  
ULOR: 0.09  
DLOR: 0.85

SHR nom: 1.75  
SHR max: 1.79

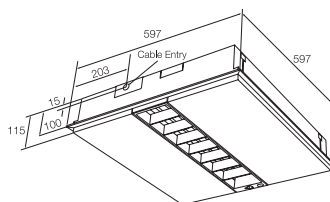
Utilisation factors / TM5

Reflectances			Room Index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	N/A	66	72	76	81	85	87	90	92
70	30	20	N/A	60	66	71	77	81	84	87	90
70	10	20	N/A	56	62	67	73	78	81	85	88
50	50	20	N/A	64	70	73	79	82	84	87	89
50	30	20	N/A	59	65	69	75	78	81	84	86
50	10	20	N/A	56	61	66	72	76	78	82	85
30	50	20	N/A	63	68	71	76	79	81	83	85
30	30	20	N/A	58	64	68	73	76	78	82	83
30	10	20	N/A	55	61	65	70	74	76	80	82
0	0	0	N/A	53	58	62	67	71	73	76	78
BZ-class			1	2	2	2	2	2	3	3	3

## Dimensions



Recessed



Semi-Recessed

### Catalogue Numbers

Lamp Rating	Central Optic	LOR	Llm/cw	Cat No	Weight (kg)	LED Emergency	Weight (kg)
<b>Semi-Recessed</b>							
3x14W	Louvre	86.7	66	LCTL314Z	5.26	ELLCTL314Z	5.64
4x14W	Louvre	87.2	67	LCTL414Z	5.31	ELLCTL414Z	5.70
3x14W	Panel	75.7	58	LCTP314Z	5.30	ELLCTP314Z	5.68
4x14W	Panel	75.6	58	LCTP414Z	5.35	ELLCTP414Z	5.74
<b>Recessed</b>							
3x14W	Louvre	83.9	64	LCTLR314Z	5.26	ELLCTLR314Z	5.64
4x14W	Louvre	85.4	66	LCTLR414Z	5.31	ELLCTLR414Z	5.70
3x14W	Panel	78.5	60	LCTPR314Z	5.30	ELLCTPR314Z	5.68
4x14W	Panel	73.6	57	LCTPR414Z	5.35	ELLCTPR414Z	5.74

For DALI Dimming option replace character Z with **DD**, e.g. LCTL314Z becomes LCTL314DD

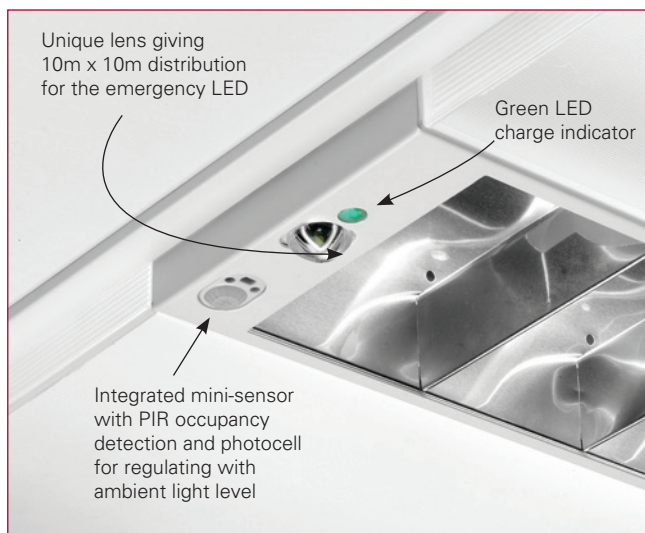
For DSI Dimming option replace character Z with **RD**, e.g. LCTL314Z becomes LCTL314RD

For Air Handling versions, add the suffix **A**, e.g. LCTL314ZA

Emergency versions available with automatic test functionality e.g. EasiCheck

Integral lighting controls available with mini sensor head, add **ISM** prefix to DALI options e.g. ISMLCTL314DD

For emergency LED and mini sensor, EL prefix comes first e.g. ELISMLCTL314DD



Semi-recessed mount



Air Handling version showing air bypass extract slots