Crompack LED

The all new Crompack LED delivers a comprehensive range of linear LED luminaires incorporating a range of lumen outputs across 3 luminaire lengths. Options include dimmable control gear and a range of integrated controls options to maximise energy savings.

Available with 3 hour combined non-maintained emergency functionality delivering excellent spacing and uniformity.

The simple 2 part housing facilitates quick and simple installation, a first fix plate allows mechanical mounting and electrical connections to be made, the optic unit then connects on a plug and socket and snap fits to the base, with 2 retained screws adding additional integrity to the installation ensuring tooled access only.

Optical control and performance generate high efficacies and deliver ECA compliance.

- Excellent light transmission and LED source obscurity from the reeded opal diffuser
- Nominal 4', 5' and 6' length formats, ideal for both new installations and retro fit applications
- The range offers outputs to 10,000lm delivering efficacies of up to 149.9Llm/cW
- High efficiency LED strip technology and driver combinations, with purpose designed optics and thermal management, maximise the LED and control gear life and performance
- Long LED life and no lamps to change particularly in 24/7 operations and inaccessible areas
- Integrated controls options providing occupancy detection and daylight harvesting to maximise energy saving, user comfort and control
- Integral 3hr combined non-maintained functionality variants
- First fix base and plug and socket housing connection for rapid installation
- IK07 impact protection

Lamps and Control Gear Options

- High efficacy linear LED light engines
- >80CRI
- Fixed output control gear as standard
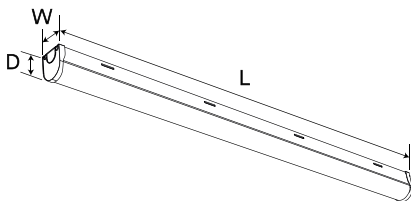- DALI dimmable control gear option
- L70 - 90,000 hours

Materials

- First fix plate and heatsink – steel, powder coated in RAL9016 white finish
- End caps – injection moulded ABS, UV stabilised and fire retardant, colour matched white finish
- Emergency/controls cover pod - injection moulded ABS, UV stabilised and fire retardant, colour matched white finish
- Diffuser – UV stabilised opal polycarbonate

Installation Notes

- Suitable for direct fix, trunking, conduit or chain/wire suspension
- BESA entry points central and at 600mm centres (one of the 600mm BESA cable entry holes may be covered on some versions, the 4 fixing holes around the cable entry hole remain accessible)
- Terminal block with 2 x 2.5mm² wire capacity per termination
- Plug and socket connection between first fix plate and optic unit for rapid installation
- 20mm conduit entry feature in both ends with clearance feature that can be removed in the end cap (Note: end mounted 'batten fit' sensor options would use the cable entry at one end)
- Integral emergency and sensor versions have a longer housing though the major mounting features remain the same in the first fix plate
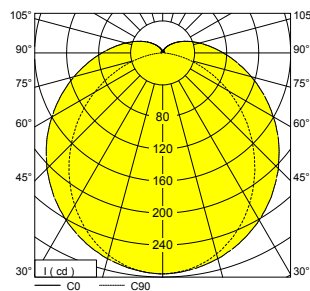
Options

- Intelligent light and energy management options:
  - Integrated mini-sensor with PIR and photocell to suit DALI control gear
  - End mounted 'batten fit' sensor with switching or dimming function, with/without photocell
- 'Corridor Function' control available to special order with the 'CO' suffix
- Fully integral self-contained 3 hour duration emergency option
- Lumen packages and length options to suit the application

Specification

To specify state: Linear LED batten with steel channel profile with durable powder coat RAL9016 white finish and reeded opal polycarbonate diffuser IK07. Embossed snap-fit feature optical unit with plug and socket connection and screw-secured colour matched and textured ABS end caps (optional integral controls and emergency functionality), as Eaton's Crompack LED, part no._____
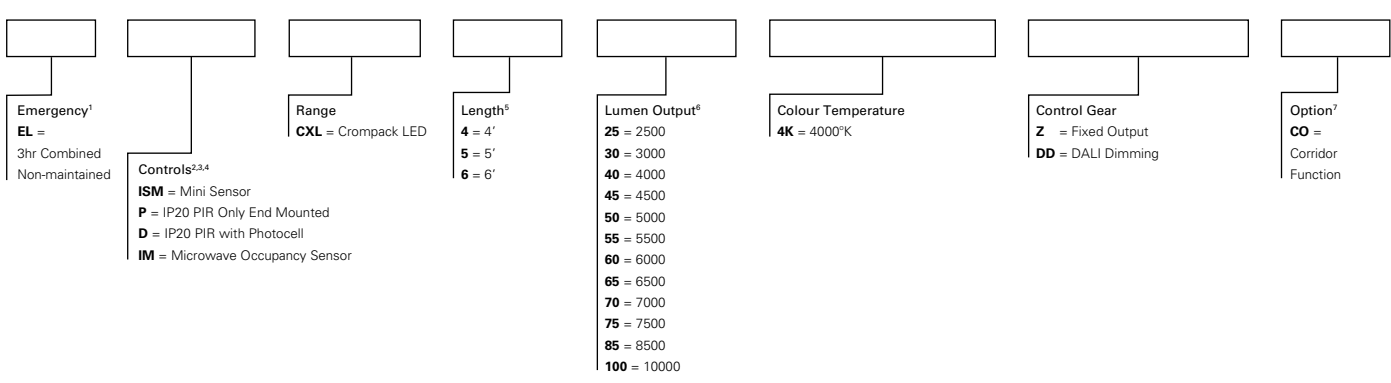
Photometric Data

Cat. No. CXL4704KZ

LOR: 1.00
ULOR: 0.12
DLOR: 0.88

SHR nom: 1.50
SHR max: 1.63

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	53	61	68	73	80	85	89	93	96
70	30	20	46	53	61	66	73	79	83	88	92
70	10	20	40	47	55	60	68	74	78	84	88
50	50	20	51	58	64	69	75	80	83	87	90
50	30	20	44	51	58	63	70	75	78	83	87
50	10	20	39	46	53	58	65	70	74	80	83
30	50	20	48	55	61	65	71	75	78	81	84
30	30	20	42	49	55	60	66	71	74	78	81
30	10	20	38	44	51	55	62	67	71	75	79
0	0	0	35	40	46	51	57	61	64	69	72
BZ-class			5	5	5	5	5	5	5	5	5

See page 382 for design guide

Dimensions

Nominal Lengths	Length (mm) Standard	Length (mm) Emergency/Sensor	W (mm)	H (mm)	Weight (Kg) Standard	Weight (Kg) Emergency
4'	1163	1318	62	76	1.9	2.4
5'	1463	1618	62	76	2.3	2.8
6'	1728	1883	62	76	2.7	3.2

Catalogue Numbers

Emergency[1]
EL =
3hr Combined
Non-maintained

Controls[2,3,4]
ISM = Mini Sensor
P = IP20 PIR Only End Mounted
D = IP20 PIR with Photocell
IM = Microwave Occupancy Sensor

Range
CXL = Crompack LED

Length[5]
4 = 4'
5 = 5'
6 = 6'

Lumen Output[6]
25 = 2500
30 = 3000
40 = 4000
45 = 4500
50 = 5000
55 = 5500
60 = 6000
65 = 6500
70 = 7000
75 = 7500
85 = 8500
100 = 10000

Colour Temperature
4K = 4000°K

Control Gear
Z = Fixed Output
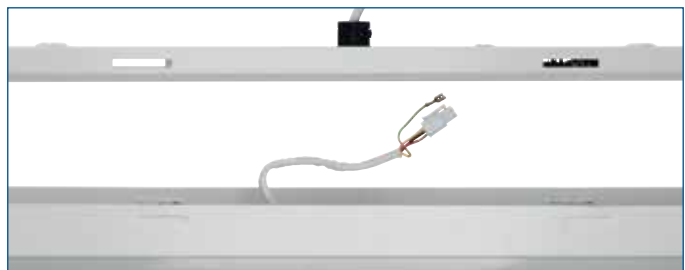**DD** = DALI Dimming

Option[7]
CO =
Corridor
Function

1 Emergency versions use a dedicated LED which operates only when in emergency mode

2 The 'P' prefix sensor is a switching PIR only for use on fixed output control gear (unless in conjunction with DD and CO for Corridor Function)

The 'D' prefix sensor is a switching PIR with photocell, the control gear option dictates the sensor type i.e:

'P' sensor off delay fixed at 20mins, D sensor off delay more flexible

Switching with a threshold sensor for fixed output gear, DALI digital dimming gear uses a regulating photocell version

3 'P' and 'D' prefix sensors are mounted in the end of the luminaire and suitable for up to 5m mounting heights

4 ISM mini head sensor for use with DALI control gear only, also suits BUS Loop Communication - see lighting solution controls

5 The length character gives the generic luminaire length, please refer to the dimension table for exact dimensions

6 The lumen output values are not all available in all lengths, please refer to HF catalogue listing

7 'Corridor Function' is a Tridonic specific option available with their dimmable control gear, this 'CO' suffix must be added to ensure the correct drives is used. Add the 'CO' after the DD suffix.

Luminaire Example

Cat No	Description
ELISMCXL5454KDD	Crompack LED 5' 4500lm, 4000K, DALI with integral mini sensor and integral 3hr combined non-maintained emergency functionality

First fix backplate with optical unit suspended on safety cords

Rapid fit plug and socket

End mounted PIR/photocell

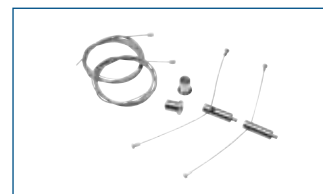Lighting control sensor and integral emergency LED

Catalogue Numbers

2

Cat No	Description	Lumen Output (lm)	Circuit Watts (W)	Efficacy (Llm/cW)
Standard Fixed Output				
CXL4254KZ	Crompack LED 2500 4000K HF 1.2m	2663	16.8	149.9
CXL4304KZ	Crompack LED 3000 4000K HF 1.2m	3308	21.93	148.9
CXL4404KZ	Crompack LED 4000 4000K HF 1.2m	4105	28.69	144.2
CXL4454KZ	Crompack LED 4500 4000K HF 1.2m	4808	32.44	142.4
CXL4504KZ	Crompack LED 5000 4000K HF 1.2m	5185	38.07	139.5
CXL4604KZ	Crompack LED 6000 4000K HF 1.2m	6054	46.41	134.8
CXL4704KZ	Crompack LED 7000 4000K HF 1.2m	7366	57.42	128.0
CXL5404KZ	Crompack LED 4000 4000K HF 1.5m	4308	28.87	144.3
CXL5454KZ	Crompack LED 4500 4000K HF 1.5m	4750	32.5	142.3
CXL5504KZ	Crompack LED 5000 4000K HF 1.5m	5162	38.15	140.0
CXL5604KZ	Crompack LED 6000 4000K HF 1.5m	6031	46.49	135.2
CXL5704KZ	Crompack LED 7000 4000K HF 1.5m	7131	54.5	130.6
CXL6554KZ	Crompack LED 5500 4000K HF 1.8m	5775	36.38	150.0
CXL6654KZ	Crompack LED 6500 4000K HF 1.8m	6616	44.85	146.6
CXL6754KZ	Crompack LED 7500 4000K HF 1.8m	7651	52.97	143.5
CXL6854KZ	Crompack LED 8500 4000K HF 1.8m	8800	60.83	140.1
CXL61004KZ	Crompack LED 10000 4000K HF 1.8m	10526	77.32	133.0
Emergency Fixed Output				
ELCXL4254KZ	Crompack LED 2500 4000K HF 1.2m Emergency	2663	21.0	126.6
ELCXL4304KZ	Crompack LED 3000 4000K HF 1.2m Emergency	3308	26.5	124.7
ELCXL4404KZ	Crompack LED 4000 4000K HF 1.2m Emergency	4105	33.8	121.3
ELCXL4454KZ	Crompack LED 4500 4000K HF 1.2m Emergency	4808	41.1	117.0
ELCXL4504KZ	Crompack LED 5000 4000K HF 1.2m Emergency	5185	41.7	174.1
ELCXL4604KZ	Crompack LED 6000 4000K HF 1.2m Emergency	6054	50.0	121.0
ELCXL4704KZ	Crompack LED 7000 4000K HF 1.2m Emergency	7366	64.6	113.9
ELCXL5404KZ	Crompack LED 4000 4000K HF 1.5m Emergency	4308	33.9	126.8
ELCXL5454KZ	Crompack LED 4500 4000K HF 1.5m Emergency	4750	37.9	125.1
ELCXL5504KZ	Crompack LED 5000 4000K HF 1.5m Emergency	5162	41.8	123.5
ELCXL5604KZ	Crompack LED 6000 4000K HF 1.5m Emergency	6031	50.2	120.0
ELCXL5704KZ	Crompack LED 7000 4000K HF 1.5m Emergency	7131	62.6	114.5
ELCXL6554KZ	Crompack LED 5500 4000K HF 1.8m Emergency	5775	46.1	125.1
ELCXL6654KZ	Crompack LED 6500 4000K HF 1.8m Emergency	6616	54.61	121.1
ELCXL6754KZ	Crompack LED 7500 4000K HF 1.8m Emergency	7651	60.4	126.6
ELCXL6854KZ	Crompack LED 8500 4000K HF 1.8m Emergency	8800	71.8	122.5
ELCXL61004KZ	Crompack LED 10000 4000K HF 1.8m Emergency	10526	92.7	113.5

For DALI dimming option, replace part number character **Z** with **DD**, eg. CXL5454K**Z** becomes CXL5454K**DD**

For further information contact our technical support and application department on 01302 303240 or email LightingTechnicalUK@Eaton.com

Cat No	Description	Weight (kg)
SWKITP15SY	Suspension Wire Kit, 1.5m, Short Yoke (Pair)	0.1
If greater than 1.5m suspension is required, use VTX50005K		
CXLNW	Crompack LED Coupling strap	0.04

Suspension Kit - SWKITP15SY
(ordered separately)

Painted Mild Steel Crompack LED
Coupling strap for continuous
mount applications

For more information on the installation requirements and product specifications, please visit our website: https://uk.eaton.com/content/gb/en/products/product-catalog/crompack-led-batten-surface-suspended-led-ceiling-light.html