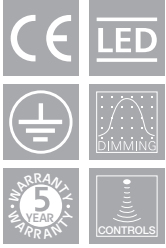# Linergy LED+ Square

Up to 152Llm/cW

The Linergy LED+ Square is a form factor range addition to the highly efficient Linergy LED+.

The Linergy LED+ Square is an aesthetic alternative to the Linergy LED+, like the Linergy LED+ it delivers high energy savings with a leading efficiency performance of up to 152 luminaire lumens per circuit watt (152Llm/cW).

The Linergy LED+ Square closely replicates the familiar mechanical and material specifications of the standard Linergy LED+ and Linergy LED.

10,000 and 15,000, nominal lumen options.

Occupancy and daylight control options.

- Latest LED light engine technology delivers leading power savings -up to 152Llm/cW

- Enhanced Capital Allowance (ECA) Compliance across the complete range

- Excellent light transmission and LED source obscurity

- Two light distribution models are available; wide area and narrow

- Emergency available which allows mounting to a maximum height of 9m

- Programmable occupancy detector variants available to maximise performance and coverage

- DALI dimming options available for increased comfort, lighting control and energy savings

Lamp and Control Gear Options
- High efficacy linear LED light engines
- >80 CRI 4000°K
- Energy efficient control gear as standard
- DALI dimmable options available

Materials
- Body –Full box steel construction powder coated in RAL 9016 white finish
- Reflectors –Faceted finish aluminium (Wide Area) and zero iridescence anodised aluminium (Narrow)
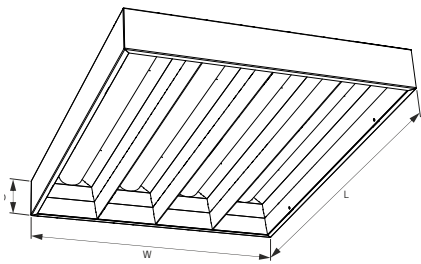
Installation Notes
- Supplied with wire suspension yoke, for flexibility of installation attachment from mounting point to yoke not included
- Quick fit mounting bracket accessory to fix to mounting surface (ceiling, conduit, chain, rod and trunking mounting)
- Supplied with diffuser and light engines pre-fitted, no need to remove during installation
- Access flap on the rear of housing to aid wiring during installation
- Fused as standard

Specification
To specify state: Surface mounted, LED high/low bay luminaire, of full box welded construction with post coat powder paint finish, high performance faceted for Wide Area/ Narrow optical distribution with high output light engines and emergency sensor, as Eaton's Linergy LED+ Square, part no:

_____

Dimensions

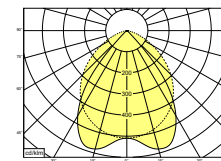|	Length (L)	Width (W)	Depth (D)
Standard HF/DALI	630mm	484mm	88.5mm
Sensor/Emergency (Optional Extra)	719.5mm	484mm	88.5mm
Backplate (Optional Extra)	630mm	484mm	92mm

Clip on emergency and PIR sensor pod accessory

Options
- Emergency conversion, 3 hour duration
- Emergency versions available with automatic test functionality as an option, reducing maintenance costs and offers ease of compliance with testing requirements
- Suitable for use on defined escape routes
- Wide Area, Narrow, reflector options
- Lighting control options including occupancy and daylight detectors for mounting up to 9m
- 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

Photometric Data
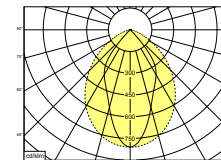
Wide area: Cat. No. LNPASQ154KZ

LO: 15498lm
SHR nom: 0.75
SHR max: 0.992

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	67	77	84	88	95	99	101	105	107
70	30	20	60	71	78	83	90	95	98	102	105
70	10	20	55	66	73	79	86	91	94	99	102
50	50	20	65	75	81	86	92	95	98	101	103
50	30	20	59	69	76	81	88	92	95	99	101
50	10	20	55	65	72	77	84	89	92	96	99
30	50	20	64	73	79	83	89	92	95	98	99
30	30	20	59	68	75	80	86	90	92	96	98
30	10	20	55	65	71	76	83	87	90	94	96
0	0	0	53	62	69	73	80	83	86	89	91
BZ-class			2	2	2	2	2	2	2	2	2

Narrow: Cat. No. LNPNSQ154KZ

LO: 15659lm
SHR nom: 1.00
SHR max: 1.040

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	72	81	87	91	97	101	103	106	108
70	30	20	66	76	82	86	93	97	100	103	106
70	10	20	62	71	78	83	89	94	97	101	104
50	50	20	70	79	85	89	94	97	99	102	104
50	30	20	65	74	80	85	90	94	97	100	102
50	10	20	61	71	77	81	87	91	94	98	100
30	50	20	69	78	83	87	91	94	96	99	100
30	30	20	64	73	79	83	88	92	94	97	99
30	10	20	61	70	76	80	86	89	92	95	97
0	0	0	59	68	74	77	83	86	88	91	93
BZ-class			1	1	1	1	1	1	1	1	1

Accessories

Catalogue Numbers

Description	Cat No	Weight
Infrared user controller	LCSQC	
Infrared programmer	LCSQS	
Digital 2 way programmer	LCSQSP	
9m Emergency Pod	ELLNPSQ	1.3kg
9m PIR Sensor Pod	PIRLNPSQZ	0.8kg
9m Emergency Pod + PIR Sensor	ELPIRLNPSQZ	1.4kg
9m PIR DALI Sensor Pod	PIRLNPSQDD	0.8kg
9m Emergency Pod + PIR DALI Sensor	ELPIRLNPSQDD	1.4kg
Rear mounting bracket	LNPSQMB	1.1kg

Digital 2 way programmer

Infrared programmer

Infrared user controller

Catalogue numbers and efficiency

Variant	Nominal lumen output	Lumen output	Wattage (w)	Llm/cW	Dimming option	Weight
Wide Area Reflector						
LNPASQ154KZ	15000	15498	106.6	145.4	N/A	4.2kg
LNPASQ154KDD	15000	15070	103.7	145.4	DALI Dimming	4.2kg
LNPASQ104KZ	10000	10240	67.37	152	N/A	4.1kg
LNPASQ104KDD	10000	10082	66.8	150.9	DALI Dimming	4.2kg
Narrow Area Reflector						
LNPNSQ154KZ	15000	15659	106.6	146.9	N/A	4.2kg
LNPNSQ154KDD	15000	15227	103.7	146.8	DALI Dimming	4.2kg
LNPNSQ104KZ	10000	10246	68	150.6	N/A	4.1kg
LNPNSQ104KDD	10000	10219	67	152.4	DALI Dimming	4.2kg