1 # Priam

CE | LED | ⏚ | DIMMING | IP20 | 🖥 | 5 YEAR WARRANTY | CG+ Line

Priam offers an alternative form for commercial lighting applications. Designed exclusively for use in a multitude of linear tile applications in a contemporary setting.

A selection of tuned lumen outputs combined with a Microprism diffuser produce working spaces with vitality and comfort.

Emergency operation, via a discrete LED, is optically controlled with an advanced lens making exceptional spacing possible.

Rapid installation is a key benefit, thanks to the side mounted plug and socket arrangement. Connections are all external to save valuable time on site.

- Equally lit photometrically controlled diffuser for homogenous light at high angles

- Minimalist features to complement the surroundings

- Designed to fit seamlessly in to SAS 300 type ceilings with equal proportions and radii

- High efficacies of up to 106 Llm/cW which exceed the requirements of UK Building Regulations: Part L and Section 6 (Scotland)

- May contribute to EN12464-1 requirements for scheme compliance across all variants

- Close colour tolerance: MacAdam 3 SDCM

- Quick and simple installation with a lay-in solution complete with plug/socket mains and DALI connection / Pull up via bracket accessories – see bracket details

- 3 hour maintained emergency versions available

- Exceptional spacing from the integral LED emergency reduces the number of emergency luminaires required.

Light Engine and Control Gear Options

- High output, high efficacy LED chip set optimised for controlled recessed lighting applications
- Energy efficient fixed output control gear as standard
- Dimming option - DALI

Materials

- Body - welded, full box steel construction, powder coated in RAL9016 finish 60% gloss (SAS 330 available in RAL9010 to closely match ceiling tiles)
- Optic - Polycarbonate UV stable Microprism combination
- Outer bezel frame – monolithic seamless steel construction, powder coated in RAL9016 finish (SAS 330 available in RAL9010 to closely match ceiling tiles)

Installation Notes

- Suitable for a number of ceiling systems, including;

  Exposed Tee 15mm

  Exposed Tee 24mm

  Alugrid 15/08

  Alugrid 15/16

  SAS 330 150 C Profile

  SAS 330 100 C Profile

- Refer to the ceiling compatibility table for more details
- Suitable for UGR <19 applications
- Order side support bracket set for 'draw up' applications (ordered separately) PRMBHTBS – refer to the ceiling compatibility table for more details
- Rear socket and plug (included) for rapid installation
- Emergency variants are fused as standard
- May aid lighting scheme design to comply with BS EN 12464-1 - refer to the lighting design guide on page 458

Options

- Fully integral LED emergency conversion, 3 hour duration
- CG Line+ self-test emergency versions available, reducing maintenance costs and offering ease of compliance with testing requirements
- 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 architectural luminaire, of full box welded construction with post coat powder paint, RAL9016 finish, for lay-in / pull up installations. Complete with Microprism combination and high efficiency LED modules. LED emergency option with unique lens optic delivering up to 10m x 10m coverage distribution, Eaton's Priam range part no _____

Photometric Data

Cat no: PRM123404KZ.LDT
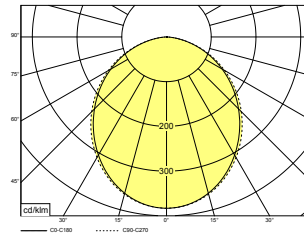

SHRnom : 1.00 SHRmax : 1.191

Utilisation factors / TM5

Reflectances			Room index								
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5
0.7	0.5	0.2	64	74	81	86	92	97	100	104	106
0.7	0.3	0.2	57	68	75	80	87	92	96	100	103
0.7	0.1	0.2	52	63	70	75	83	88	92	97	101
0.5	0.5	0.2	63	72	79	83	89	93	96	100	102
0.5	0.3	0.2	56	66	73	78	85	89	93	97	99
0.5	0.1	0.2	52	62	69	74	81	86	90	94	97
0.3	0.5	0.2	61	70	77	81	87	90	93	96	98
0.3	0.3	0.2	56	65	72	77	83	87	90	94	96
0.3	0.1	0.2	52	61	68	73	80	84	88	92	94
0	0	0	50	59	65	70	76	81	84	87	90
BZ-class			3	3	3	3	3	3	3	3	3

See page 382 for design guide

Dimensions

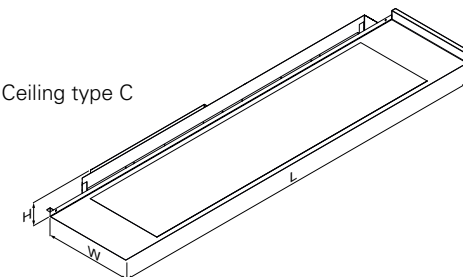| Product	L (mm)	H (mm)	W (mm)
Ceiling type A	1197	113	297
Ceiling type B	1183	113	283
Ceiling type C	1348	113	298

Ceiling type A
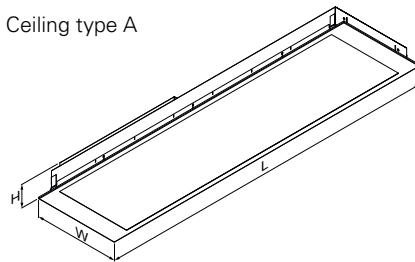
Ceiling type B
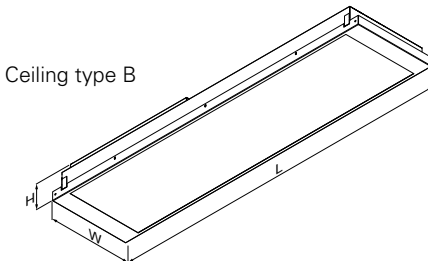
Ceiling type C

Catalogue Numbers

Part No	Weight (kg)	Emergency Part No	Weight (kg)	Description	Lumen Output	Wattage	Llm/cW
Priam							
PRM123254KZ	6.0	ELPRM123254KZ	6.7	Priam 1200 2500lm 4K FO	2535	24	105.6
PRM123354KZ	6.0	ELPRM123354KZ	6.7	Priam 1200 3500lm 4K FO	3557	34	104.6
PRM123404KZ	6.0	ELPRM123404KZ	6.7	Priam 1200 4000lm 4K FO	3954	38	104.1
PRM123454KZ	6.0	ELPRM123454KZ	6.7	Priam 1200 4500lm 4K FO	4529	44	102.9
Priam - Type A							
PRM123254KZA	6.1	ELPRM123254KZA	6.8	Priam 1200 2500lm 4K FO Ceiling type A	2535	24	105.6
PRM123354KZA	6.1	ELPRM123354KZA	6.8	Priam 1200 3500lm 4K FO Ceiling type A	3557	34	104.6
PRM123404KZA	6.1	ELPRM123404KZA	6.8	Priam 1200 4000lm 4K FO Ceiling type A	3954	38	104.1
PRM123454KZA	6.1	ELPRM123454KZA	6.8	Priam 1200 4500lm 4K FO Ceiling type A	4529	44	102.9
Priam - Type B							
PRM123254KZB	6.7	ELPRM123254KZB	7.4	Priam 1200 2500lm 4K FO Ceiling type B	2535	24	105.6
PRM123354KZB	6.7	ELPRM123354KZB	7.4	Priam 1200 3500lm 4K FO Ceiling type B	3557	34	104.6
PRM123404KZB	6.7	ELPRM123404KZB	7.4	Priam 1200 4000lm 4K FO Ceiling type B	3954	38	104.1
PRM123454KZB	6.7	ELPRM123454KZB	7.4	Priam 1200 4500lm 4K FO Ceiling type B	4529	44	102.9
Priam - Type C							
PRM123254KZC	6.9	ELPRM123254KZC	7.5	Priam 1200 2500lm 4K FO Ceiling type C	2535	24	105.6
PRM123354KZC	6.9	ELPRM123354KZC	7.5	Priam 1200 3500lm 4K FO Ceiling type C	3557	34	104.6
PRM123404KZC	6.9	ELPRM123404KZC	7.5	Priam 1200 4000lm 4K FO Ceiling type C	3954	38	104.1
PRM123454KZC	6.9	ELPRM123454KZC	7.5	Priam 1200 4500lm 4K FO Ceiling type C	4529	44	102.9

Accessories

Part No.	Description	Weight (Kg)
PRMBHTBS	Priam Bracket Set (4)	0.1

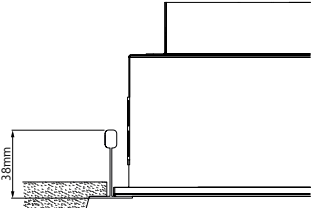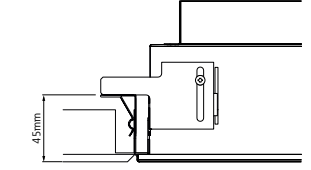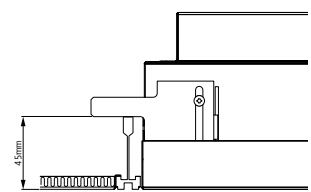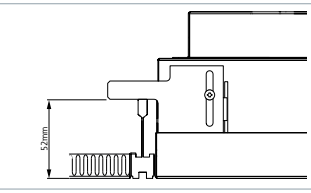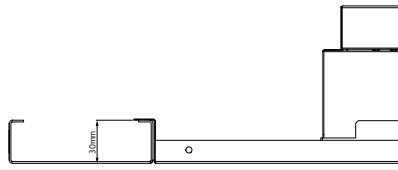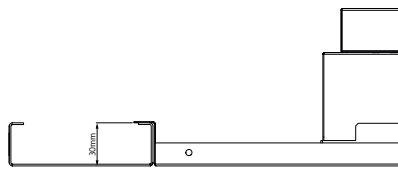For DALI Dimming option replace character Z with DD , e.g. PRM123254KZ becomes PRM123254KDD
Emergency versions are also available with automatic test functionality, e.g. CG Line+
For further information, contact our Technical Support and Application department on 01302 303240 or email LightingTechnicalUK@Eaton.com
Llm/cW = luminaire lumens per circuit watt

For more information on the installation requirements and product specifications, please visit our website: https://uk.eaton.com/content/gb/en/products/product-catalog/priam-recessed.html

Ceiling Compatibility

Priam ceiling type		Manufacturers reference	Installation method	Body size	Bearer bracket	Note
		Exposed 'T' 15mm	Lay in only	1197 x 297 x 113	N/A	Not suitable for draw-up applications
		Exposed 'T' 24mm	Lay in only	1197 x 297 x 113	N/A	Not suitable for draw-up applications
		Burgess half tee clip in	Draw up only	1197 x 297 x 113	PRMBHTBS	Set of 4 brackets - suitable for one luminaire
A		Alugrid 15/08	Draw up only	1183 x 285 x 113	Included with the luminaire	Set of 4 brackets - suitable for one luminaire
A		Alugrid 15/16	Draw up only	1183 x 285 x 113	Included with the luminaire	Set of 4 brackets - suitable for one luminaire
B		SAS 330 1350 x 300	Lay in only	1348* x 298 x 113	N/A	Not suitable for draw-up applications
		150mm C-Profile		*Dimension within the tile aperture		
C		SAS 330 1400 x 300	Lay in only	1398* x 298 x 113	N/A	Not suitable for draw-up applications
		100mm C-Profile		*Dimension within the tile aperture		

Support bracket PRMBHTBS

SAS 330 150mm C profile Body