




Waveform T5 offers enhanced levels of visual comfort and a contemporary, attractive profile. Designed exclusively for use with T5 lamps, Waveform T5 is available with a 65° - $1500\text{cd}/\text{m}^2$ satin louvre or a perforated diffuser, the former being ideal for VDT office applications. Both attachments are suspended below a distinctive wing profile reflector, providing soft and wide light distribution, illuminating the ceiling and vertical surfaces to create an improved visual environment. Waveform T5 is also easy to install, with a first fix body spine providing a mechanical and electrical base onto which the wing reflector and selected optical attachment is rapidly assembled.

- Aids lighting scheme design to comply with LG7 and BS EN 12464-1
- Distinctive and attractive architectural profile to enhance any installation
- Comfortable, soft lighting effect
- Excellent vertical to horizontal luminance balance
- 65° - $1500\text{cd}/\text{m}^2$ satin louvre for VDT areas
- Perforated diffuser for general illumination
- Choice of high efficiency or high output T5 lamps to allow the most appropriate light output for the application

Surface and Suspended

Waveform T5

Lamp and Control Gear Options

- 28W, 35W (HE), 49W, 54W (HO) T5 fluorescent, 4000°K - G5 cap 
- High frequency control gear as standard
- Dimming options including DSI and DALI

Materials

- Body spine/wing reflector - steel, powder coated in RAL9016 white finish
- End caps - injection moulded polycarbonate, colour matched
- Louvre - xenoptic grade satin finish, zero iridescence anodised aluminium
- Perforated diffuser - curved steel profile, powder coated in RAL9016 white finish
- Diffusing overlay - flame retardant diffusing medium

Installation Notes

- Suitable for direct fix
- Body spine fitted first. BESA entries at 600mm fixing centres and central cable entry. (Central cable entry often covered by control gear)
- Terminal block with 2 x 2.5mm² cable capacity per termination
- Fused as standard
- Wing reflector retained on spine by screws via key hole slots
- Flying lampholders fitted to location inside end caps
- Louvre attachment retained by positive location shootbolts and fitted with hanging straps for hands free re-lamping
- Perforated diffuser attachment clips around end caps
- Supplied complete with lamps
- Aids lighting scheme design to comply with LG7 and BS EN 12464-1 - Refer to Interior Lighting Design Guide on page 517

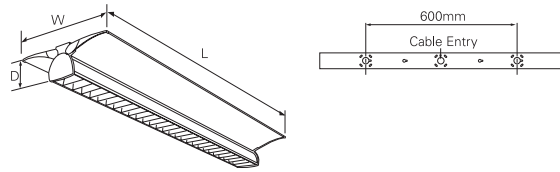
Options

- Fully integral emergency conversion (remote batteries on 28/54W versions) 3 hour duration
- Emergency versions available with automatic test functionality
- Suitable for use on defined escape routes

Specification

To specify state: Architectural surface luminaire, with dispersive wing reflector and 65°-1500 cd/m² Xenoptic satin zero iridescence louvre, retained by shootbolts/clip-on, curved perforated diffuser, as Eaton's Waveform T5 range, part no _____

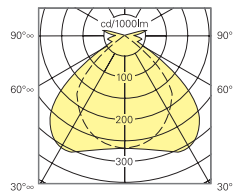
Dimensions



Lamp Rating	With louvre attachment			With diffuser attachment		
	L (mm)	W (mm)	D (mm)	L (mm)	W (mm)	D (mm)
1/2 x 28/54W	1236	380	117	1236	380	108
1/2 x 35/49W	1536	380	117	1536	380	108

Photometric Data

Cat. No. WAVL22&Z



LOR: 0.71
ULOR: 0.04
DLOR: 0.67


SHR nom: 1.75
SHR max: 1.84

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	-	56	59	62	66	68	70	72	73
30			-	52	55	58	62	65	67	70	71
10			-	48	52	55	60	62	65	68	70
50	50	20	-	54	57	60	63	65	67	69	70
30			-	50	54	57	60	63	64	67	68
10			-	48	51	54	58	60	62	65	67
30	50	20	-	52	55	58	60	62	64	65	67
30			-	49	53	55	58	60	62	64	65
10			-	47	50	53	56	59	60	63	64
0	0	0	-	45	48	50	53	55	57	59	60
BZ-class			-	1	2	2	2	2	2	3	3

See page 514 for Design Guide

Catalogue Numbers

Lamp Rating	Gear Option	Attachment	Cat No	Weight (kg)	Emergency Cat No	Weight (kg)
Waveform T5 - with high efficiency (HE) lamps						
1 x 28W	High Frequency	Louvre	WAVL128Z	5.30	EMWAVL128Z 	6.62
2 x 28W	High Frequency	Louvre	WAVL228Z	5.54	EMWAVL228Z 	6.84
1 x 35W	High Frequency	Louvre	WAVL135Z	6.60	EBWAVL135Z	7.90
2 x 35W	High Frequency	Louvre	WAVL235Z	6.92	EBWAVL235Z	8.22
1 x 28W	High Frequency	Perforated diffuser	WAVP128Z	5.82	EMWAVP128Z 	7.10
2 x 28W	High Frequency	Perforated diffuser	WAVP228Z	6.04	EMWAVP228Z 	7.34
1 x 35W	High Frequency	Perforated diffuser	WAVP135Z	7.30	EBWAVP135Z	8.62
2 x 35W	High Frequency	Perforated diffuser	WAVP235Z	7.55	EBWAVP235Z	8.85
Waveform T5 - with high output (HO) lamps						
1 x 54W	High Frequency	Louvre	WAVL154Z	5.30	EMWAVL154Z 	6.62
2 x 54W	High Frequency	Louvre	WAVL254Z	5.54	EMWAVL254Z 	6.84
1 x 49W	High Frequency	Louvre	WAVL149Z	6.60	EBWAVL149Z	7.90
2 x 49W	High Frequency	Louvre	WAVL249Z	6.92	EBWAVL249Z	8.22
1 x 54W	High Frequency	Perforated diffuser	WAVP154Z	5.82	EMWAVP154Z 	7.10
2 x 54W	High Frequency	Perforated diffuser	WAVP254Z	6.04	EMWAVP254Z 	7.34
1 x 49W	High Frequency	Perforated diffuser	WAVP149Z	7.30	EBWAVP149Z	8.62
2 x 49W	High Frequency	Perforated diffuser	WAVP249Z	7.55	EBWAVP249Z	8.55

For DSI dimming option, replace part number character **Z** with **RD**, eg WAVL235Z becomes WAVL235RD

For DALI dimming option, replace part number character **Z** with **DD**, eg WAVL235Z becomes WAVL235DD

Emergency versions available with automatic test functionality - see page 235 for system features

 Remote emergency battery pack

For further information contact our technical support and application department on 01302 303240 or email lighting@cooper-ls.com