CSVT

MADE IN
BRITAIN

HOLOPHANE®

LED BATTEN
CSVT

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CSVT

CSVT is a latest generation LED linear batten designed to directly replace existing T5 and T8 fluorescent luminaires.

CSVT is suitable for a wide range of applications, even in the most demanding of environment. The CSVT design allows for fast installation, long system life and easy maintenance.

For added lighting control and increased energy savings, CSVT is available with a tiered range of integrated controls solutions. From simple on/off PIR control through to Cloud-based control and reporting systems.

Overall CSVT offers a comprehensive solution to suit different commercial needs.

For over 125 years Holophane has enjoyed an enviable reputation throughout the world for expertise, quality and innovation in Lighting. From the earliest days, when the company pioneered its famous glass refractor, the Holophane name has been ever present as a leader in the field of luminaire and lighting design. **CSVT** is a continuation of this proud tradition and builds on our heritage of designing luminaires with exceptional optical performance and thermal management which fused together deliver a solution that is future-proof and fully serviceable.

Applications

- Factories
- Production Areas
- Manufacturing
- Warehouses
- Assembly Areas
- Logistics Centres
- Mezzanines

Overview

- Available with lumen ranges from 2,000 to 7,000 (delivered lumens).
- Frosted diffuser offering a symmetric distribution.
- 4000K
- CRI > 80.
- Efficacies of up to 155 lpw.
- Available with integrated control and emergency options (c.650 lm in emergency mode).
- System Life — 50,000 Hrs at 25°C

Approvals

CE   UK CA

Complies with EN60598

IP65

-25°C to +50°C

Preliminary CIBSE TM66 (CEAM) Rating: 2.2 - Definite/substantial progress to circularity.

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For further information please visit the Holophane website **www.holophane.co.uk**

CSVT
OVERVIEW

IP65

LED BATTEN
CSVT

IK09

155
Im/W

Multiple entry points

CSVT has multiple entry points to allow for flexible power termination. As standard CSVT comes with a M20 cable gland.

CSVT can be easily drilled at marked areas on the body to allow through cable entry through the top or sides.

Easy mounting

CSVT features two stainless steel mounting brackets that allow for surface or suspension mounting (suspension kit sold separately).

For surface mounting simply secure the brackets to a surface and clip the batten into the brackets.
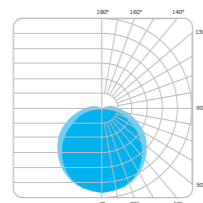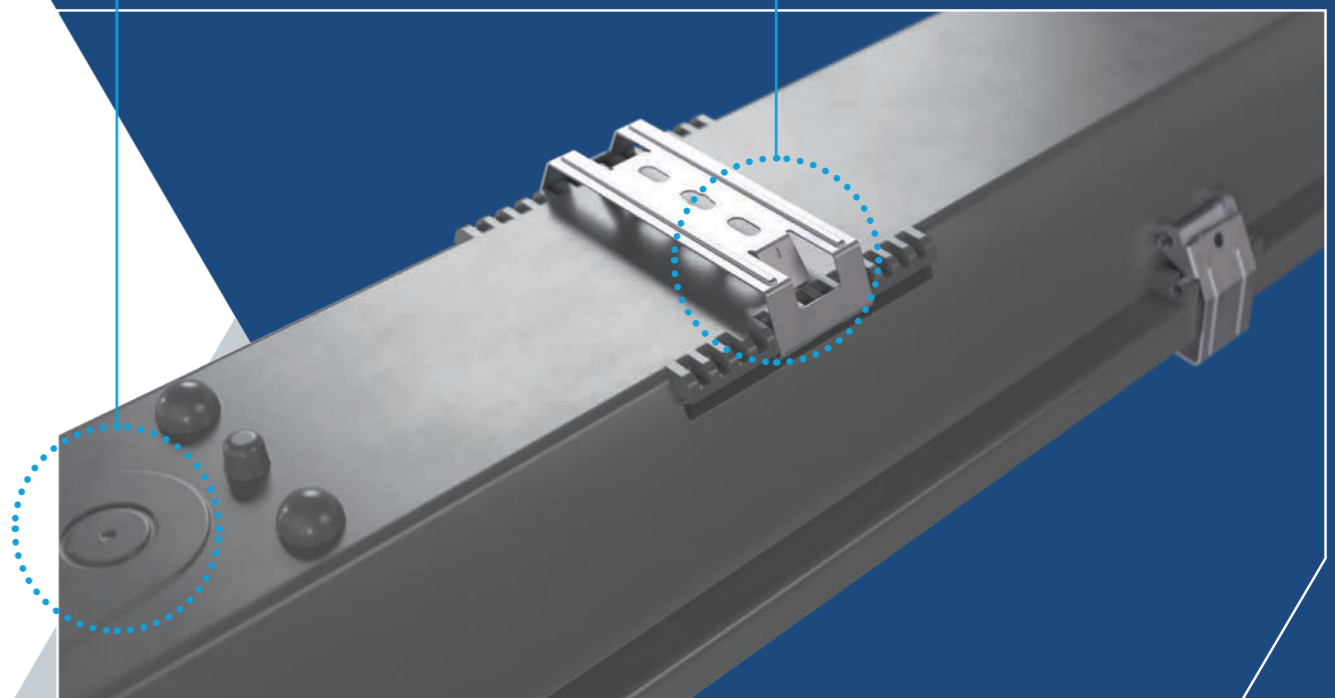
Robust construction

CSVT can withstand corrosive environments due to its polycarbonate body and diffuser construction.

The Stainless steel latches and brackets also are suitable for these environments. For enhanced protection plastic latches are also available as an option.

Symmetric (.SY)

Frosted diffuser

CSVT comes standard with a frosted polycarbonate diffuser producing a symmetric distribution.

1200mm (c.4ft) length

CONTROLS AND CONNECTED SOLUTIONS

From simple to cloud based.
A solution that works for you.

The Holophane controls solution is tiered to offer you a solution to cater for every type of project. Ranging from basic on/off PIRs through to cloud-based controls, Holophane can offer a competitive controls solution to work around your needs.
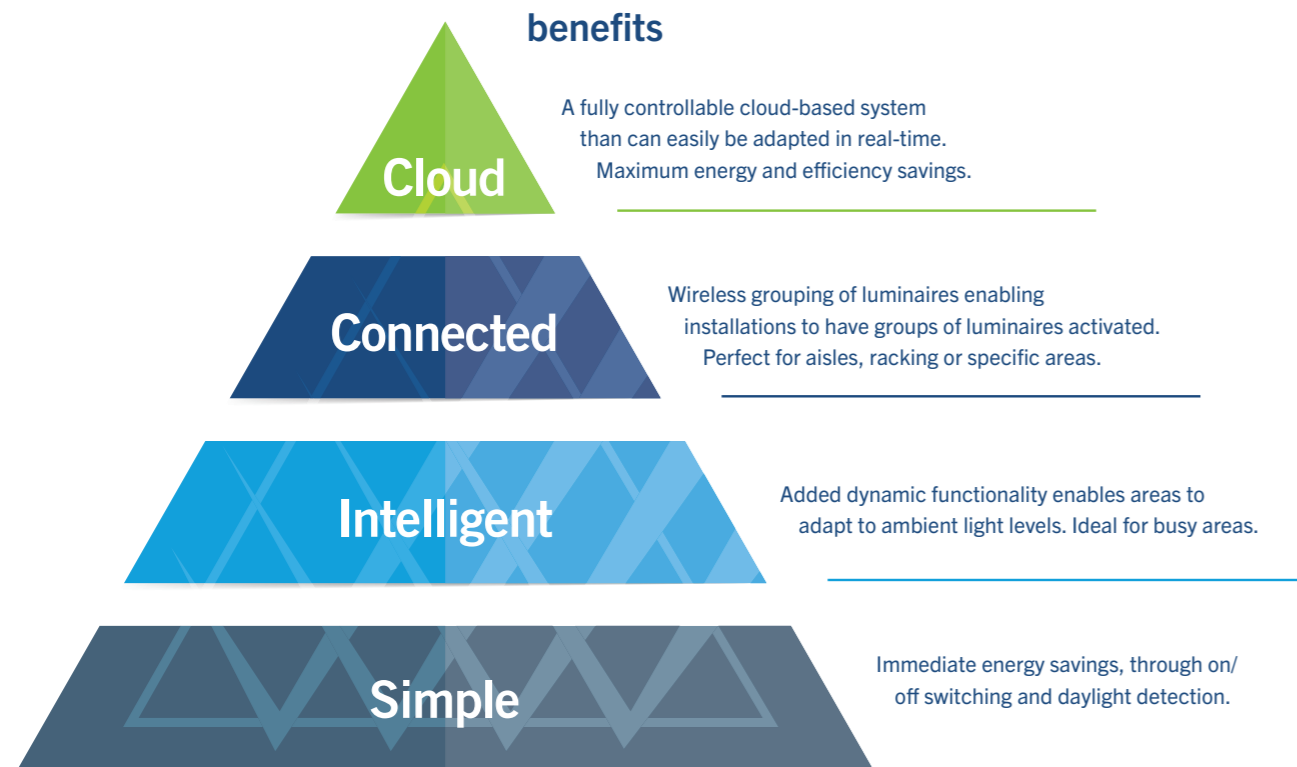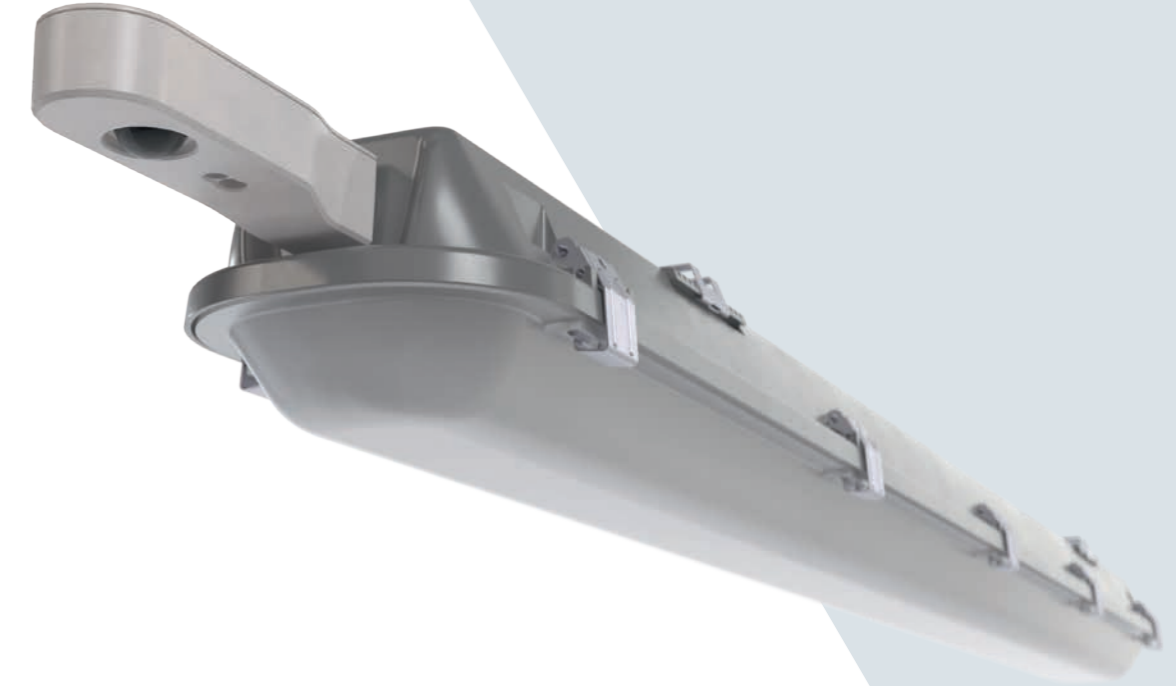
CSVT shown with .WIL option

benefits

Cloud
A fully controllable cloud-based system than can easily be adapted in real-time. Maximum energy and efficiency savings.

Connected
Wireless grouping of luminaires enabling installations to have groups of luminaires activated. Perfect for aisles, racking or specific areas.

Intelligent
Added dynamic functionality enables areas to adapt to ambient light levels. Ideal for busy areas.

Simple
Immediate energy savings, through on/off switching and daylight detection.

CONTROLS

		What is the functionality?	Mounting Height	Can it be programmed?	Can it be upgraded?
Cloud HOLOSAir	We call this control solution HOLOSAir. Holophane's cloud-based system with added digital functionality and enhanced control of luminaires	• On/off & dynamic dimming • Wireless grouping of multiple luminaires • Daylight sensing • Web based cloud control and analytics • Emergency reporting • Failure reporting	Up to 6m*	Yes, via the Holophane Commissioning service only Note: Requires a HOLOSAir gateway for full functionality	Yes – scalable, upgradeable
Connected	All the same features as the intelligent PIR but with added luminaire grouping functionality	• On/off & dynamic dimming • Wireless grouping of multiple luminaires • Daylight sensing	Up to 6m*	Yes, via the Holophane Commissioning service only.	Yes – only the connected sensor can be upgraded to the cloud tier
Intelligent	An intelligent PIR with added dynamic dimming	• On/off & dynamic dimming • Daylight sensing	Up to 6m*	Yes, via remote IR programmer or via the Holophane Commissioning service	No
Simple	A simple on/off PIR with daylight sensing	• On/off control • Daylight sensing	Up to 6m*	Yes, via remote IR programmer or via the Holophane Commissioning service	No

*Dependant on solution specified

SPECIFICATION & PERFORMANCE

Specification

Holophane CSVT LED linear batten shall consist of a 1200mm polycarbonate housing which features a 'poured in place' polyurethane gasket and a frosted polycarbonate lens. The luminaire shall be sealed to IP65 and rated to IK09. CSVT can be either ceiling or surface mounted. Cable termination is via a factory fitted side-entry M20 cable gland with cut-out areas for top entry termination (suitable sealing provided by others). The design allows for fast installation via the stainless steel brackets and stainless steel latches that allow quick access for easy maintenance. Preliminary CIBSE TM66 (CEAM) Rating: 2.2 - Definite/substantial progress to circularity.

Detailed specification

Mechanical

Materials	Paint colour	IP Rating	IK Rating
Polycarbonate body and diffuser Stainless-steel latches and brackets	Smooth grey (RAL7035)	IP65	IK09

Mounting Type	Mounting height	Ambient operating temperature	Weight
Surface/Suspension	3m - 6m	0°C - +50°C	2.5-3.0 kg
Cable Entry	Through-wiring		

1x Side-entry M20 cable gland fitted at factory. 2 x top-entry and 1 x additional side-entry (drilled and sealed by installer)	Yes (consult installation instructions)

Light Output

Lumens	Power	Driver current	Efficacy
2,000 – 7,000lm	13W-53W	280mA-1115mA	up to 155Lm/W
Colour Temperature	CRI	Distributions	Lifetime Hours L70B50 @ 25°C
4000 K	80 CRI	.SY (Symmetric)	50,000hrs
MacAdam Elipses			
5-steps			

Electrical

Electrical Class	Surge protection	Power Cable Termination
Class I	8Kv/10kA (standard)	ENEC approved Push-in terminal block (suitable for 1.5mm²-2.0mm² stranded or solid core)

Power Cable Entry	Factory Fitted Flying Lead	Integrated Emergency
M20 Cable gland (suitable for 6mm-13mm diameter)	1m (available as option) - number of cores dependant on luminaire configuration	1hr or 3hr self-test and DALI addressable

Controls

Control Protocol	Integrated PIRs	Dimming
DALI (option)	Available as option	on/off on/dim/off (available as option)

Typical luminaire performance

Configuration	Delivered Lumens	Circuit Power (W)	Driver Output Current (mA)	Luminaire Efficacy (lm/W)
CSVT.1.LM0248.M1.SY	c.2,000	13	280	155
CSVT.1.LM0348.M1.SY	c.3,000	21	455	143
CSVT.1.LM0448.M1.SY	c.4,000	28	625	143
CSVT.1.LM0548.M1.SY	c.5,000	36	790	139
CSVT.1.LM0648.M1.SY	c.6,000	45	950	133
CSVT.1.LM0748.M1.SY	c.7,000	53	1115	132

Weight kg

CSVT	2.5-3.0

Dependant on configuration

Maximum ambient operating temperature

EM1/EM3 Versions

LM0248 - 35°C Ta
LM0348 - 35°C Ta
LM0448 - 35°C Ta
LM0548 - 30°C Ta
LM0648 - 25°C Ta
LM0748 - 25°C Ta

Lumen data is considered to be representative of the configuration shown, and may vary, with a tolerance on flux of +/- 7% (typical of LED manufacturers data) and luminaire power of +/- 5%.

ORDERING DETAILS & DIMENSIONS

Code	Luminaire (required)							
CSVT	CSVT							
Code	Series (required)							
.1	Series 1							
	Code	Lamp Type (required)						
	.LM0248	LED light engine producing c.2,000 lm with a nominal 4000K colour temperature						
	.LM0348	LED light engine producing c.3,000 lm with a nominal 4000K colour temperature						
	.LM0448	LED light engine producing c.4,000 lm with a nominal 4000K colour temperature						
	.LM0548	LED light engine producing c.5,000 lm with a nominal 4000K colour temperature						
	.LM0648	LED light engine producing c.6,000 lm with a nominal 4000K colour temperature						
	.LM0748	LED light engine producing c.7,000 lm with a nominal 4000K colour temperature						
		Code	Operating Package (required)					
		.M1	c.1200mm length					
			Code	Optical Distribution (required)				
			.SY	Symmetric				
				Code	Fixing Method (required)			
				.SM	Universal mounting bracket (suitable for surface and suspension mounting)			
					Code	Colour (required)		
					.C6	Smooth Grey (RAL7035)		
						Code	Dimming Outputs (option)	
						.LRD	DALI enabled driver	
							Code	Controls (option)
							.PL0	Integrated PIR, suitable up to 6m, with switching-only functionality. Switches off after 10 minutes of inactivity. Remotely re-programmable with accessory HEL.PRG (purchased separately)
							.PL1	Integrated PIR, suitable up to 6m. Dims to 30% after 10 minutes of inactivity - switches off after further 10 minutes. Remotely re-programmable with accessory HEL.PRG (purchased separately)
							.WIL	Integrated HOLOSAir wireless node, supports grouping, suitable up to 6m - includes PIR & photocell (Requires SER.COM.DAY or SER.COM.NIGHT commissioning)

Code	Emergency (option)
.EM1	1-Hr integral self-test DALI maintained emergency
.EM3	3-Hr integral self-test DALI maintained emergency

Code	Cable Entry (option)
.FL1	1m flying lead (number of cores dependant on luminaire configuration)

Code	Canopy (option)
.PCL	Polycarbonate Latches

CSVT	.LM0248	.M1	.SY	.SM	.C6	.LRD	.PL0

Example

dimensions in mm

1277
813
278
97
137
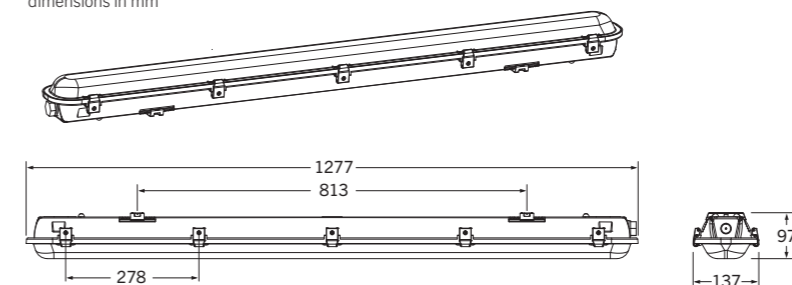
Note: The specifications of the Holophane luminaire, all descriptions, illustrations, drawings and specifications in the Holophane catalogue and website represent only general particulars of the goods to which they apply and shall not form part of any contract. The company reserves the right to change specifications at its discretion without prior notification or public announcement.

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