

Issue:
Dec-23

VOLANS PREMIUM COB

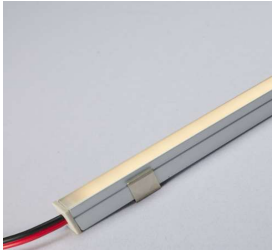
Product Code GT. Volans Premium COB Bass

DESCRIPTION / Linear flexible LED strip, 8mm wide with invisible Dow Corning resin coating IP65, 480 LEDs/M. 50mm cutting points

WHY USE THIS: UNIQUE COB LED of high quality CRI90. Totally dot-free and allows for 50mm cutting centres, fully dimmable. Many profiles suitable for all general lighting applications.

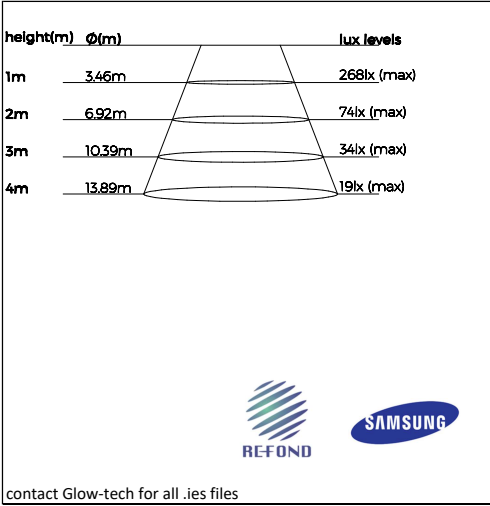


IP65 zone 2	CE LED	IEE : A+ EN 60598.
Dimensions (mm)		
2 (h) x 10 (width)		
Cut-out (mm)		
N/A		



material light fixture	PVC / plastic mix; copper conductors 4oz
colours & finish/ (suffix)	Clear
light source & voltage options	a) (COB) 10w/m LED (980 lms/m) 24v DC 480 LEDs/m
colour temperature	2700K, 3000K, 4000K
CRI (colour render)	90+
MacAdam	2
Controls options /(suffix)	phase dimming DALI 0-10V Blue-tooth
Optional Accessories	See above link for available profiles See p.2-3 for driver options
AV. Weight (kg)	0.04/m
Emergency Available?	Yes
Special Notes	Supplied with 1m attached 'power-lead'. <u>Cutting and soldering service available. Supplied with 3m tape as standard</u>

technical performance



DRIVER OPTIONS DRIVER + DIMMING INTERFACE OPTIONS

Image	Code	dims	IP rating	Power	Inrush (A)	Comment
	DT.HLG-480-24 	262 X 125 X 43.8mm	IP65	480w	70A	For dimming use with MULTIPLE DT.ECP-701-8A below (additional in-rush current limiter available)
	DT.HLG-320 	252 X 69 X 45MM	IP67	320w	70A	POTENTIOMETER BUILT-IN For dimming use with MULTIPLE DT.ECP-701-8A below (additional in-rush current limiter available)
	DT.HLG-240 	247 X 69 X 39MM	IP67	240w	75A	POTENTIOMETER BUILT-IN For dimming use with MULTIPLE DT.ECP-701-8A below (additional in-rush current limiter available)
	DT.SL-24200D024	235 X 120 X 56MM	IP67	200w	75A	For dimming use with DT.ECP-701-8A below 2-CHANNELS OF 100W
	DT.SL-24150D024	235 X 120 X 56MM	IP67	150w	65A	For dimming use with DT.ECP-701-8A below
	DT.LPV-150 	191 X 63 X 37.5MM	IP67	150w	65A	For dimming use with DT.ECP-701-8A below
	DT.SL-24100D024	249 X 66 X 52MM	IP67	100w	60A	For dimming use with DT.ECP-701-8A below
	DT.LPV-100 	190 X 52 X 37.5MM	IP67	100w	75A	For dimming use with DT.ECP-701-8A below
	DT.SL-VB-240-60P	199 X 66 X 52MM	IP67	60w	55A	For dimming use with DT.ECP-701-8A below
	DT.LPV-60 	162 X 42.5 X 32MM	IP67	60w	60A	For dimming use with DT.ECP-701-8A below
	DT.SL-VB-240-30M	222x 29 x 20	IP67	30w	40A	For dimming use with DT.ECP-701-8A below
	DT.LPV-35 	148 X 40 X 30MM	IP67	30w	55A	For dimming use with DT.ECP-701-8A below
	DT.SL-VA-240-15U	222x 29 x 20MM	IP67	20w	35A	For dimming use with DT.ECP-701-8A below
	DT.ECP-701-8A	82 x 33 x 20mm	IP20	200W MAX 0-10V DIMMING INTERFACE		DIMS DOWN <10% FROM ZERO
	DT.ECP-701-12A	175 x 44 x 33	IP20	200W MAX 0-10V DIMMING INTERFACE		DIMS DOWN <10% FROM ZERO

DRIVER OPTIONS (continued)



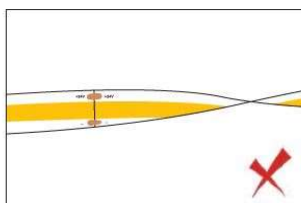
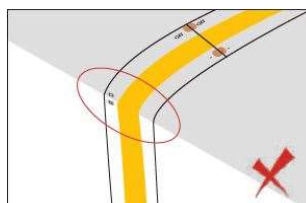
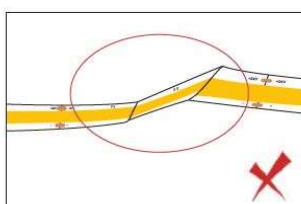
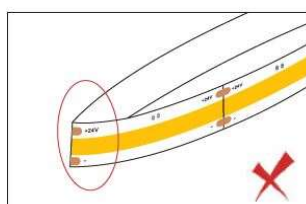
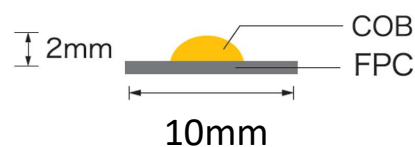
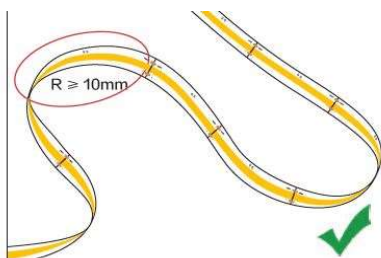
**DT.ECP-701-8A-
DALI** 158x 50.5x 34
(DUAL OPERATION)

IP20

200W MAX DALI DIMMING INTERFACE
200W MAX DMX DIMMING INTERFACE

DRIVER OPTIONS TRIAC DIMMING DRIVER - ONE PIECE OPTIONS

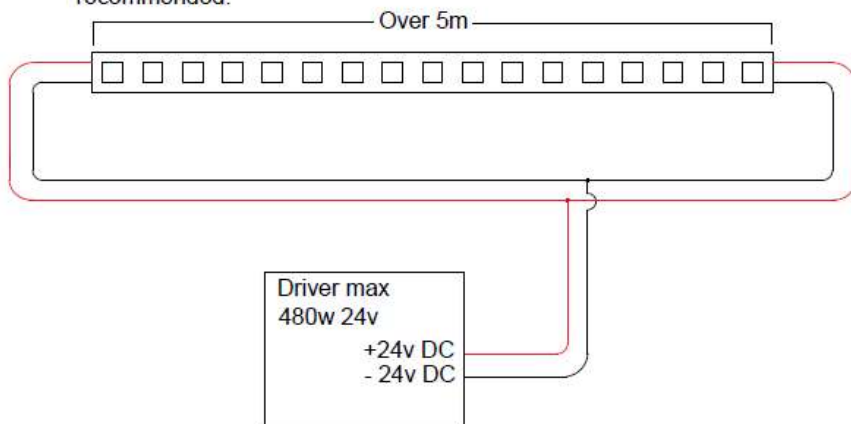
Image	Code	dims	IP rating	Power	Inrush (A)	Comment
	DT.ELED-25-24-T	155 x 54 20	20	25w	35A	Works with leading edge TRIAC dimmers
	DT.ELED-50-24T	174x 61x 24mm	20	50W	50A	Works with leading edge TRIAC dimmers
	DT.ELED-80-24T	200x 68.5x 43	66	80W	55A	Works with leading edge TRIAC dimmers



SCHEMATICS

WIRING AS A RING CIRCUIT - OVER 5M

If LED strip is greater than 5m then circuit must be wired as a ring. Drivers can be mounted up to 20m away, provided the above is respected and 1.5mm cable used from the driver to the LED strip. In cases of drivers mounted over 10m from strip a bench test is recommended.



WIRING FOR 0-10V OR DALI DIMMING

This circuit is the standard layout for LED strip of 5m or less. for 5.1m - 10m strip should be fed from both ends (separate diagram available)

