EVOLUTION II

Ex d e ASYMMETRIC FLOODLIGHT



Recommended maximum aiming angle 20˚ from horizontal plane



Optional PTFE Coating

The Evolution II is a photometrically advanced floodlight that combines Ex de protection with optimised utilisation of light through its asymmetric design. The Evolution concept has no exposed flamepaths making the luminaire effectively maintenance free. Access to the lamp and terminal chamber is achieved by the unscrewing of a single captive bolt

Standard Specification

Type of Protection	Ex d e (Flameproof, Increased Safety) Dust protected enclosure
ATEX Classification	Group II Category 2 GD
Area Classification	Zone 1 and Zone 21 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14 Gas Groups IIA and IIB
Certificate	EC Type Examination Certificate Baseefa04ATEX0155
Coding	Ⓔx II 2 GD Ex d e IIB Refer to table for T rating and Ambient
Enclosure	Aluminium alloy LM6 to BS 1490 (AC44100) All fastenings A4 stainless steel Toughened glass window
Reflector	Asymmetric beam, high purity anodised aluminium
Entry	2 x M20 cable entries
Termination	3 core 6mm² max. conductor with looping
Installation	Stirrup mounting bracket with aiming quadrant
Windage	0.112m²
Control Gear	Internal copper/iron with PFC correction capacitor and timed ignitor
Relamping	Access via hinged end cover on release of single screw
Burning Position	Universal for HID, +/-45° on horizontal plain for Tungsten-Halogen lamps
Ingress Protection	IP66/67 to EN 60529
Electrical Supply	220, 230, 240, 254V 50Hz HPS & Metal Halide 24V - 254V Linear Tungsten-Halogen, 110V - 254V Single ended Tungsten-Halogen

Features

- Installation in gas groups IIA and IIB
- Easy and quick access for maintenance
- Simple, rapid lamp replacement and flamepath inspection
- Reduced maintenance due to no exposed flamepath
- Exceptional photometric efficiency with reduced glare
- Timed ignitor supplied as standard

International Approvals

ATEX, GB (China) and GOST

IECEx Compliant

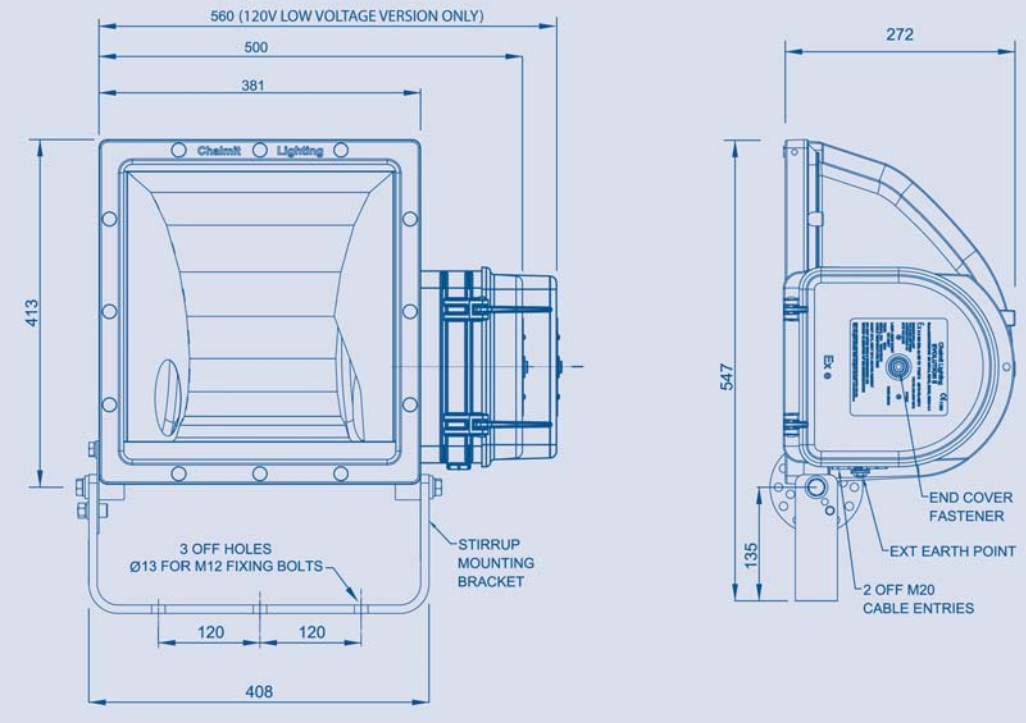
Std. Cat No.	Wattage	Lamp	Lampholder	T Class (Gas)	T °C (Dust)	Ambient °C	Weight
EV2D/150/MS	150W	HPS and Metal Halide	E40	T4	130	-20 to +40	28.0kg
				T3	175	-20 to +55	
EV2D/250/MS	250W	HPS and Metal Halide	E40	T4	130	-20 to +40	28.5kg
				T3	175	-20 to +55	
EV2D/400/MS	400W	HPS and Metal Halide	E40	T3	175	-20 to +55	28.5kg
EV2D/600/HS*	600W	HPS	E40	T3	195	-20 to +35	25.0kg
EV2D/500/TH	500W	Single Ended T/Halogen	E40	T3	195	-20 to +40	25.0kg
EV2D/500/TL	500W	Linear T/Halogen	R7s	T3	195	-20 to +55	25.0kg

*Ignitor only fitted. Remote gear box required (see Universal Box).

Note: Please specify voltage at time of enquiry/order

Options – Suffix to Catalogue No.

/120	110V - 130V (Weight increase of +10kg) HPS and Metal Halide lamps only	**/P**	PTFE coating
		/PE	Pendant mounted
/60	60Hz	**/N**	Narrow beam option
/208-60	208V 60Hz	**/IEC**	Supplied with IECEx certification label
/M25	M25 cable entries		

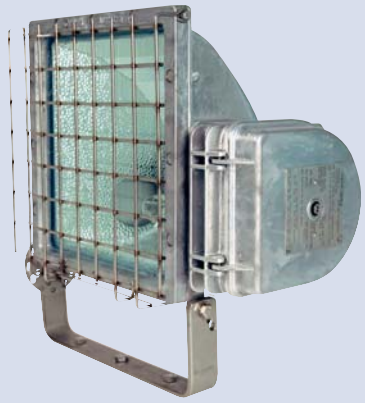


NOTE: 120V version utilises deeper end cover (as shown above)

Accessories Should be ordered separately — Catalogue Order Code

Product design and specifications are subject to change without notice, please check the Chalmit® website for latest specifications.

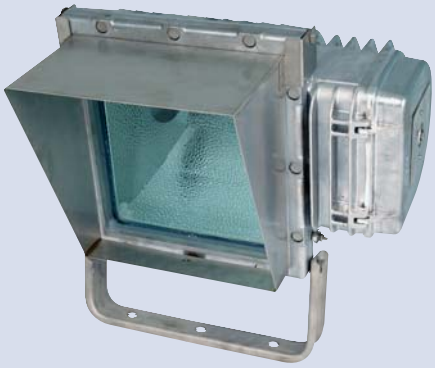
Evolution II & Evolution Guards and Shields

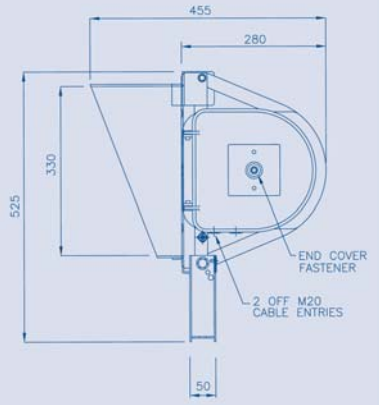


Evolution II	
Wire Guard	SEV04-0020
Combined Anti-Glare Shield and Wire Guard	SEV24-0001
Evolution	
Anti-Glare Shield	SEV04-0002
Wire Guard	SEV04-0003
Combined Anti-Glare Shield and Wire Guard	SEV04-0008

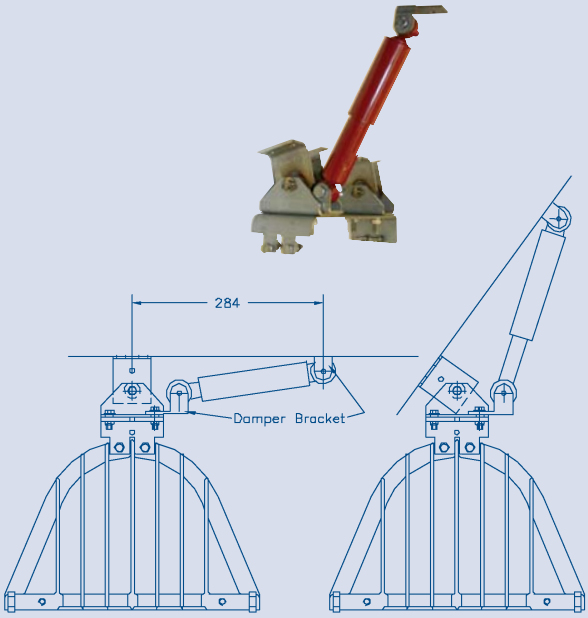
Evolution Anti-Glare Shield

Combined Anti-Glare Shield and Wire Guard

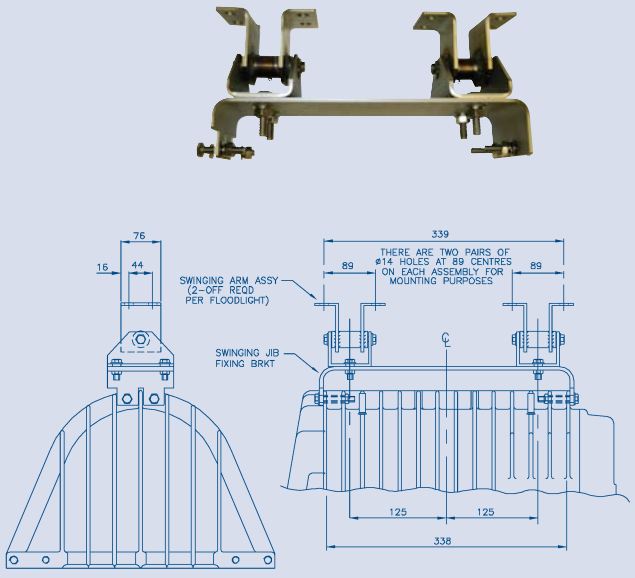




Swing Jib Damper & Bracket Assembly (220-254V only) Evolution only



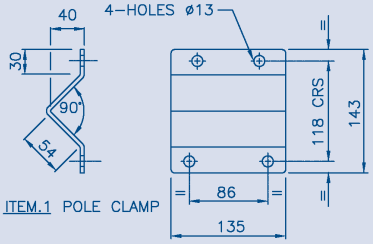
Damper assembly - SEV01-0015

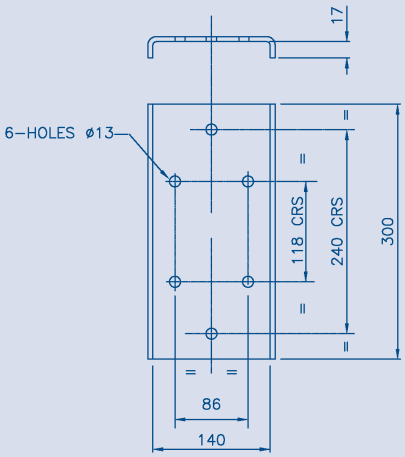


Bracket assembly - SEV04-0009

Pole Mounting Bracket Assembly — Cat No. SEV04-0001

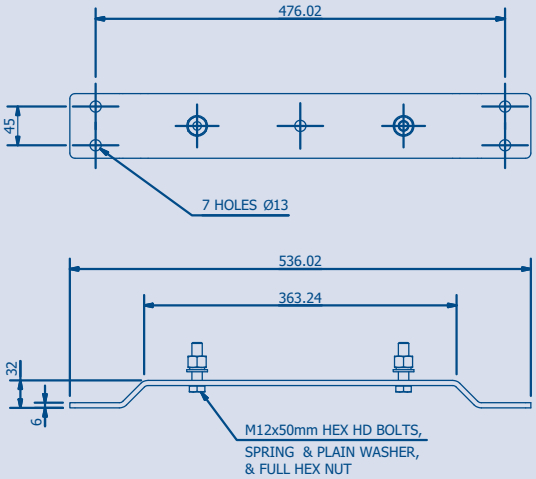






284 Retrofit Bracket — Cat No. SEV01-0001





Evolution Junior Mounting Accessories — Cat No. SEVJR-0001/SEVJR-0002



Floor assembly SEVJR-0001



Tripod assembly SEVJR-0002