



EVOLUTION X REMOTE GEARBOX

Ex db eb LED Floodlight

Following the success of our Evolution X Floodlight we are delighted to present the **Evolution X Remote Gearbox** floodlight. Bringing all of the benefits from the existing product the Evolution X Remote Gearbox provides users with ease of installation, inspection and maintenance expected of a next generation Zone 1 floodlight.

Utilising [Rapid Connection Gland \(RCG\)](#) entries between remote gearbox and LED engine allows simple field installation whilst reducing weight mounted at height. The robust LED enclosure is effectively maintenance free and mounting the Evolution X Remote Gearbox in an easily accessible location will provide reduced installation (CAPEX), maintenance and inspection (OPEX) for the lifetime of the fixture.



Mounting Options

Floodlight. Pendant. High Bay. Pole/Column.

Standard Specification

Evolution X Ex db eb LED Floodlight

Type of Protection	"Ex db eb (Flameproof, Increased Safety) Ex tb (Dust Protected Enclosure)"
ATEX Classification	Group II Category 2 GD
Area Classification	Zone 1 and 21 areas to EN 60079-10-1 and EN 60079-10-2 with installation to EN 60079-14
Certificate	"EU Type Examination Certificate CML20ATEX1114X IECEX Certificate of Conformity IECEX CML 20.0073X UK Type Examination Certificate CML 21UKEX1510X"
Coding Remote LED Heatsink	"Ex db eb IIB+H2 T* Gb Ex tb IIIC T**C Db IP6X *Refer to table for T rating and Ambient"
Coding Remote Gear Box	"Ex db eb IIC T* Gb Ex tb IIIC T**C Db IP6X *Refer to table for T rating and Ambient"
Enclosure	"LM6 Marine grade aluminium body with UV resistant glass diffuser. LED heatsink and gearbox with epoxy powder finish (RAL 7040)"
Entry	2 x M20 cable entries
Termination	3 core 6mm ² max conductor with looping
Installation	3 x Ø13 mounting holes stirrup
Control Gear	Electronic Driver
Optical Distribution	Wide beam
Colour Temperature (CCT)	5000K (Cool White)
Colour Rendering Index (Ra)	>80
Maintenance	Front access to gearbox lid with 4x M6 captive screws
LED Lifetime @ 60°C Ambient	L70 > 200,000hrs
System Life @ Ambient	120,000hrs @ 25°C
Impact Protection	IK10
Ingress Protection	IP66/67 to EN 60529
Surge Protection	6kV
Electrical Supply	"110-277V AC, 50/60Hz 127-250V DC"

Features

- ◆ Highly **Energy Efficient** >106lm/W
- ◆ Available with **asymmetric optic**, minimising light pollution
- ◆ **120,000** maintenance free hours at 25°C
- ◆ **Slimline, Sealed for life** LED enclosure with no exposed flamepaths
- ◆ **Easy access gearbox** reduces CAPEX and OPEX



Std. Cat No.	Delivered Output	Power Consumption	Tclass	T°C (Dust)	Ambient °C	Weight
EVXB/20L/LE/**/RG00^	20,980 lm	188W	T5 T4	T100 T135	-55 to +40 -55 to +60	LED Enclosure = 10.0kg Remote Gear Box = 5.5kg
EVXB/30L/LE/**/RG00^	29,433 lm	253W	T5 T4	T100 T135	-55 to +40 -55 to +60	LED Enclosure = 10.0kg Remote Gear Box = 7.0kg
EVXB/40L/LE/**/RG00^	40,052 lm	375W	T5 T4	T100 T135	-55 to +40 -55 to +60	

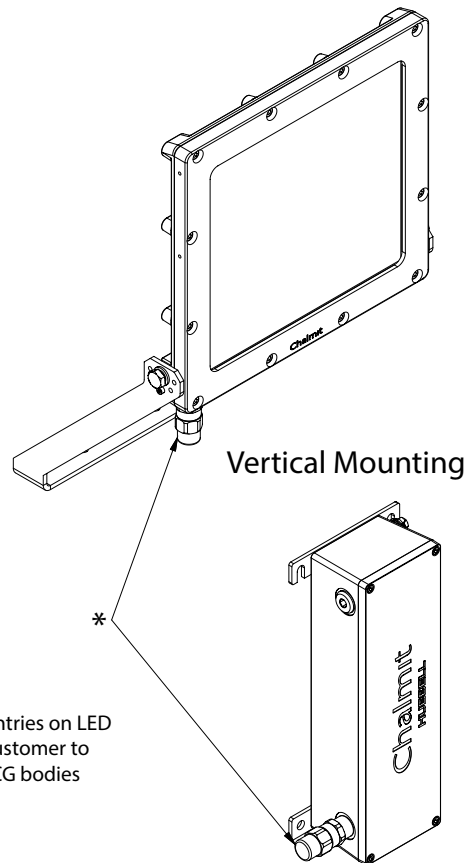
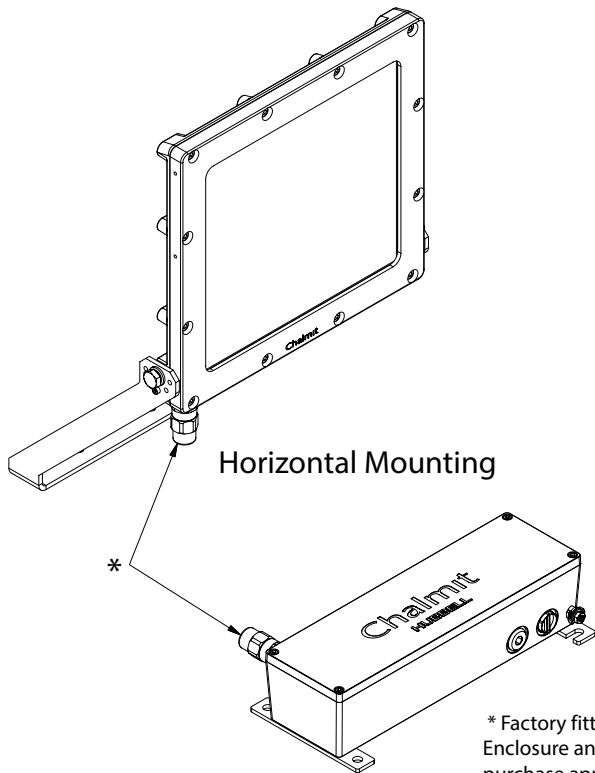
^Factory fitted with Hawke RCG entries on both LED Enclosure and Remote Gearbox. Customer to supply site-specific cable and appropriately sized Hawke RCG bodies.

Options - Suffix to Catalogue No.

/M25	M25 Cable Entries
/N	Narrow Beam Distribution (≈5% reduction in output)
/AS	Asymmetric Distribution (≈11% reduction in output)
/PE	Pendant Mount (further details on Evolution X Pendant data sheet)
/DM	DALI Dimmable driver
/4K	4000K (Neutral White) LEDs
/3K	3000K (Warm White) LEDs

Accessories *order separately*

	Order Code
Pole Mounting Bracket Assembly (48-70mm Pole Diameter)	SEVO4-0001
Wire Guard	SEVX4-0002
Anti Glare Shield	SEVX4-0001
Crane Damper Bracket	SEVX4-0010



* Factory fitted with [Hawke RCG](#) entries on LED Enclosure and Remote Gearbox. Customer to purchase appropriate cable and RCG bodies

Dimensioned Drawings

