



EXPLOSION PROOF LED LIGHTING

Illuminating Better Environments™

Your Australian Manufacturer of Solar and LED Lighting Solutions

www.earthtrackgroup.com.au | 1300 410 485

The information in this booklet is correct at time of printing. Please refer to the website www.earthtrackgroup.com.au for any further updates.



Earthtrack Group

Earthtrack Group is about moving resources forward, with innovation at the heart of what we do. Whether it is a mine site wanting to move shipments 24 hours a day or making a warehouse more productive, we have the lighting solutions for the job. We pride ourselves on really understanding what our customers require, pay attention to detail, solve problems and create innovative solutions to technical challenges.

EXPLOSION PROOF RANGE

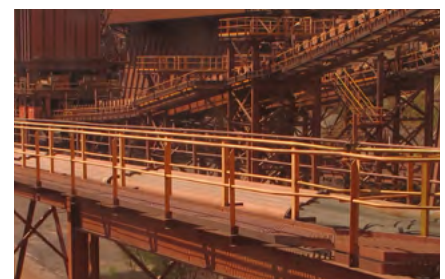
Earthtrack have created a range of high performance products designed to perform around hazardous or explosive materials, high temperatures, water/moisture/dust exposure, high vibration or impact-prone areas for Underground Mining, Oil & Gas and other Industrial applications. We can assist with selecting the best products to suit specific site requirements.



EARTHLIGHT | EARTHSOLAR | ELION

Earthtrack have developed a system of products through scouring the world for the latest LED and solar technologies and identifying emerging trends. Combined with an understanding of our customers' needs, we designed and developed proprietary products under our own OEM brands - Earthlight, Earthsolar and Elion.

These are all guaranteed to perform in harsh Australian conditions, are compliant with Australian Standards and are supported by local knowledge and expertise.



CONTENTS

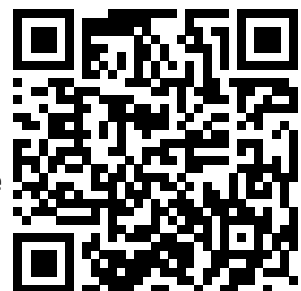


SERIES		PAGE NO.
VESTA		P. 01
VERITY		P. 03
KATLA		P. 05
ABERDEEN		P. 09
VENTURA		P.12

www.earthtrackgroup.com.au
1300 410 485



Scan the QR code
to download
the latest brochure





Ex VESTA HIGHBAY LIGHT

- + Low power consuming, high efficacy LED source
- + Shock and vibration resistant tempered glass
- + Anti-glare lens and cover
- + High efficiency LED Driver suitable for harsh environments
- + High strength aluminium alloy enclosure
- + Robust construction suitable for saltwater and corrosive applications
- + Ambient temperature from -40°C to 55°C
- + Surge protection:5KV

Certifications & Compliance

- + II 2 G Ex d IIB T5 or T6 Gb
II 2 D Ex t IIIC T95°C or T80°C Db IP66
IECEX | ATEX | ABS | CE | RoHS | IP66

Area Classification

- + Group II Zone1 & 21 and 2 & 22



Body Colour ● ●

Application

- Oil & Gas Operations
- Manufacturers
- Petrol Stations
- Power Plants
- Drilling Platforms
- Warehouses

Specification

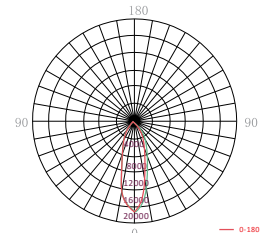
MODEL	ETG-EXVESTA30		ETG-EXVESTA60	
Power (W)	30		60	
Luminous Flux (lm)	2992~3307		5670~7560	
Temp. Classification	T6: -40° ~ +55		T5 T6	
Input Voltage (V) (Hz)	100-240 VAC (50/60Hz)	Surge Protection	5KV	
CCT(K) CRI	2700~3300 (WW) 3700~4300 (NW) 5400~6400 (CW) 72/82	LED Driver	Over Voltage Protection / Short Circuit Protection	
Luminaire Efficacy	136.5lm/W	Insulation Class	I	
Beam Types	Spot - 15° Bay - 80° Flood - 180°	Connecting Terminals	3*1.0-4mm ² (L + N + PE)	
PF	>0.98	Available Cable Outer dia	Ø7- Ø14mm	
IP Rating	IP66	Cable Entries	2XNPT 3/4" (M20*1.5, M25*1.5 are optional)	
THD	<10%	Earthing Protection	M4 (Internal and External Earth Bolts)	
Ambient Temperature	-40°C ~ +55°C	Body	Alu Alloy, Temp.Glass, Epoxy Powder Coating, Fastner: SST	
Dimensions (mm)	Ø 311*284*190	Body Colour	Orange, RAL2011 (Optional Grey RAL7040)	
Weight (kg)	5.5	Warranty	5 years (50,000 hrs)	



Photometric diagram

S-Spot light(15°)

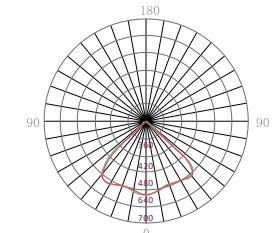
Spot Light



cd/klm
AVERAGE BEAM ANGLE(50%):8.6 DEG

B-Bay light(80°)

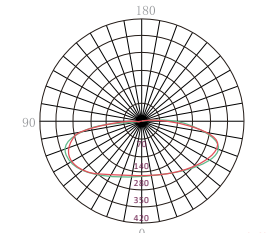
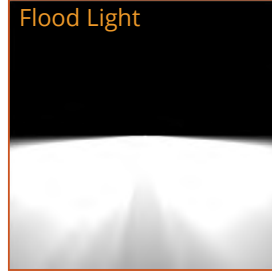
Bay Light



cd/klm
AVERAGE BEAM ANGLE(50%):104.8 DEG

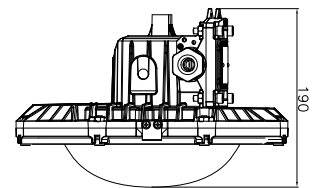
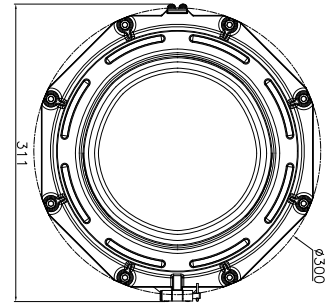
F-Flood light(180°)

Flood Light

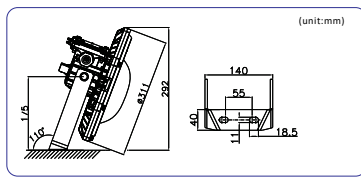


cd/klm
AVERAGE BEAM ANGLE(50%):175.7 DEG

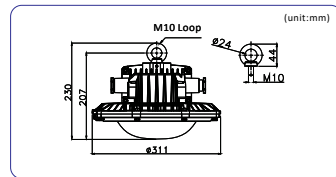
Dimensions



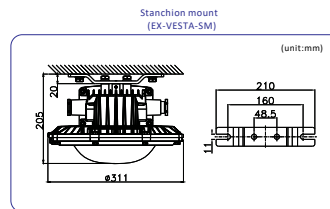
Installation Methods



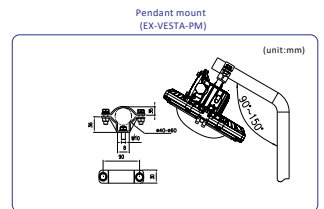
Stanchion mount
(EX-VESTA-SM)



Pendant mount
(EX-VESTA-PM)

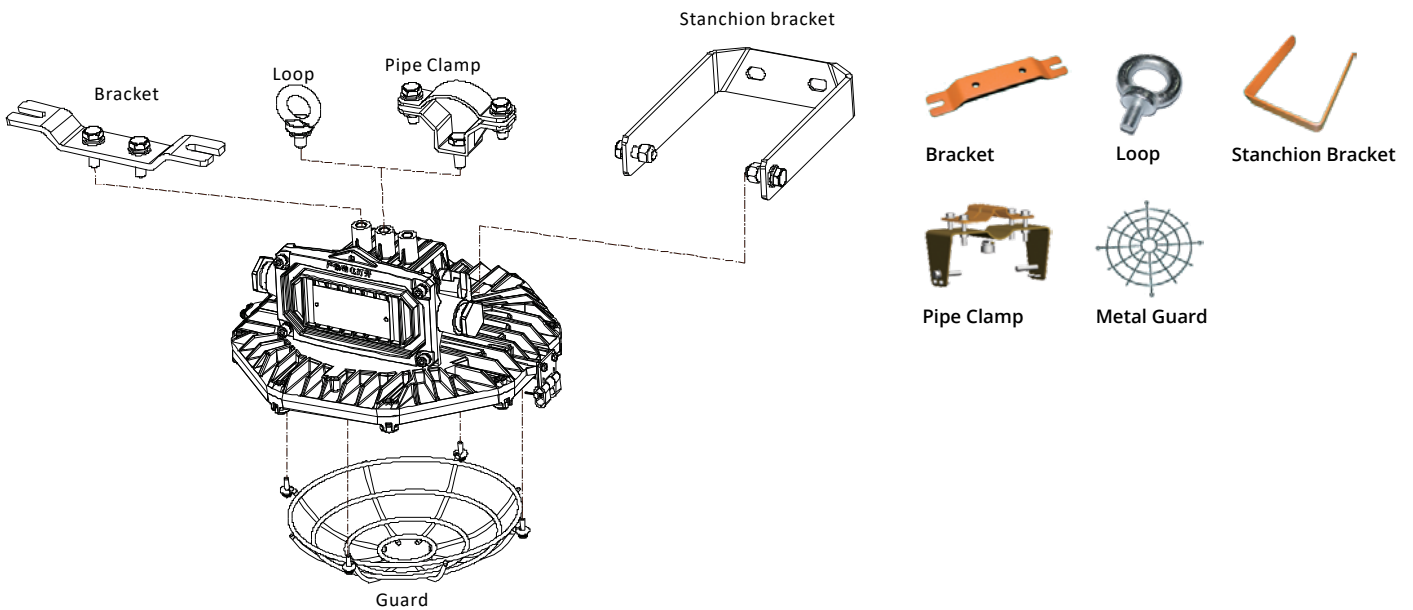


Ceiling mount
(EX-VESTA-CM)



Pipe clamp
(EX-VESTA-PIC)

Optional Accessories



EX VERITY FLOOD LIGHT



- + Suitable for Explosive atmosphere zone 1 & 2 and Explosive dust zone 21 & 22 (combustible dust)
- + Designed for installations where moisture, dirt, dust, corrosion and vibration may be present
- + NEMA 3 and 4X areas where wind, water, snow or high ambient temperatures can be expected
- + Impact resistant IK09
- + Mounting: ceiling, wall and floor

Certifications & Compliance

- + Ex d IIB T6 Gb
Ex tb IIIC T85°C Db
IECEX, ATX, IP66, IK09, 5G, 1000 Hrs Salt Spray

Area Classification

- + Zone 1 & 2, Explosive gas
Zone 21 & 22 Combustible dust

Application

- Marine Loading Terminals
- Petrochemical Processing Facility
- Power Plants
- Wastewater Treatment Plants
- Manufacturing Plant
- Petrol Station



Specification

MODEL	ETG-EXVER80	ETG-EXVER100	ETG-EXVER150
Power (W)	80	100	150
Luminous Flux (lm)	10,400	13,000	19,500
Input Voltage (V) - (Hz)	AC 120-277V - 50/60 Hz	Surge Protection	4kV
CCT(K)	3000K / 4000K / 5000K	IP Rating	IP66
CRI	Ra>70	Ambient Operating Humidity	5%~95% RH
Luminaire Efficacy	130lm/W	Ambient Operating Temp.	-25°C ≤ Ta ≤ +50°C
Beam Types	25° / 60° / 120°	Optimal Operating Temp.	25°C
Driver Efficiency	≥90%	Body Colour	Grey
PF	>0.95	Mounting Options	Pole, Ceiling, and Wall
Dimensions (mm)	328*271*176	Body	Cu Free Aluminium Tempered Glass Lens
Weight (kg)	15.2Kg (80W) 15.3Kg (100W) 15.5Kg (150W)	Warranty	5 years (50,000 hrs)



Ex KATLA

FLOOD/HIGH BAY LIGHT

Emergency Option

- + Suitable for explosive atmosphere zone 1 & 2 and explosive dust zone 21 & 22
- + Fully adjustable, focused high bay light where you need it most
- + Robust aluminium housing and tempered glass
- + 5kV surge protection
- + Mounting options: ceiling, wall and floor

Certifications & Compliance

- + Gas: II 2 G Ex db IIC T5/T6 Gb
Dust: II 2 D Ex tb IIIC T95°C/80°C Db
ATEX ECM 19 ATEX-B SU43
IECEX, CE, RoHS, IP66

Area Classification

- + Group II, Zone 1 & 21 and 2 & 22



Application

- Marine Loading Terminals
- Chemical Processing Facility
- Manufacturing Plant
- Petrol Station

Specification

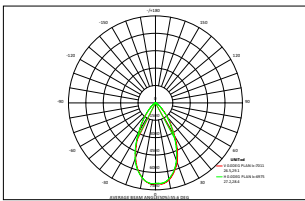
MODEL	Power	Luminous Flux (lm)		Temp. Classification		Emergency	Dimensions (mm)	Weight (Kg)	
		Standard	Emergency	-40°C ~ +55°C	-40°C ~ +65°C	-20°C ~ +55°C		Standard	Emergency
ETG-EXKAT30	30	3900~4200	1300~1400	T6	T5	T6	ø 275*195	8.5	9.5
ETG-EXKAT45	45	5850~6300		T6	T5	T6			
ETG-EXKAT60	60	7800~8400		T6	T5	T6			
ETG-EXKAT80	80	10,400~11,200		T5	T4	T5	ø 330*197	11	12
ETG-EXKAT100	100	13,288~14,764		T6	T5	T5			
ETG-EXKAT120	120	15,484~17,204		T5	T4	T5			
ETG-EXKAT150	150	18,559~20,621		T5	/	T5			
ETG-EXKAT200	200	27,350~30,389		T5	/	T5	ø 415*197	14	15
ETG-EXKAT240	240	32,140~35,751		T5	/	T5			
ETG-EXKAT300	300	42,525	/	T4	/	/	ø415*292	15	/

Emergency Option (EM)	Rated Capacity	Type	Lifespan	Backup	Emergency Power	Charging time
	9.6V 4Ah	Ni-MH	500 cycles	3 hrs	10W	>24 Hours

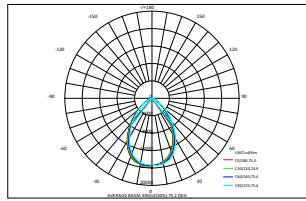
Standard Specifications

Luminaire Efficacy	140	Operating Temperature	-40°C ~ +55°C
Input Voltage	AC100-277, 50/60Hz	Ambient Temperature	-40°C ~ +55°C EM -20°C ~ +55°C
PF	>0.98	Outer Diametre	Ø7 - Ø14mm
Protection	Surge Protection:5kV Earthing Protection: M4	Connecting Terminals	3*1.0-4mm ² (L + N + PE)
CCT	3000K / 4000K / 5000K / 5700K	Available Cable Outer dia	Ø7- Ø14mm
CRI	Ra70	Cable Entries	2XNPT 3/4" (M20*1.5, M25*1.5 are optional)
Beam Angle	60°/80°/120° (Standard/Emergency) 80°/120° (Sensor)	Body Colour	Grey RAL7040
THD	<10%	Enclosure Material	Die-casting Aluminium
IP Rating	IP66	Coating	Epoxy powder coating
LED Driver	Over voltage protection, Short circuit protection	Protective Cover& Fastner	Tempered Glass & Stainless Steel
Optional Controls	DALI Dimming Emergency Sensor 0-10V Dimming	Earthing Protection	M4 (Internal and External earth bolts)
*Sensor	5.8 GHz ±75 MHz ISM Band 0-10VDC Standby: 0.3W Sensor Radius: 5-6m Installation Height 7m~12m(max)	Warranty	Luminaire - 5 Years (50,000 Hrs) Battery - 1 Year (500 Cycles)

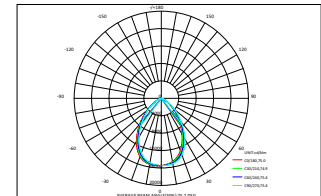
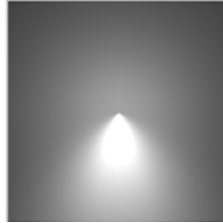
Candela Distribution



H4V4(60°)/High Efficacy LED Source



H5V5(80°)/High Efficacy LED Source



H5V5(80°)/High Efficacy LED Source



Mounting Accessories

Stanchion Bracket

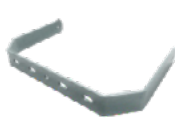
Ceiling Mount | Stanchion Mount | Wall Mount



Weight: 1.3kg
30W|45W|60W|80W



Weight: 1.5kg
100W|120W | 150W



Weight: 1.8kg
200W|240W | 300W

Pole Mount Bracket



Weight: 3.56kg
30W|45W|60W|80W



Weight: 3.76kg
100W|120W | 150W



Weight: 4.06kg
200W|240W | 300W

Loop



Weight: 0.26kg

Pipe Connector



Weight: 0.28kg

25° Pole Mount Bracket



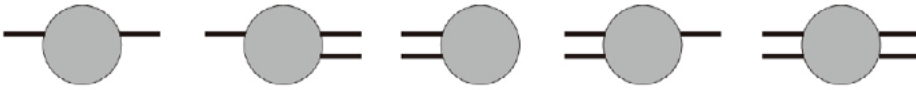
Weight: 1.14kg
30W|45W|60W|80W

0° Pole Mount Bracket



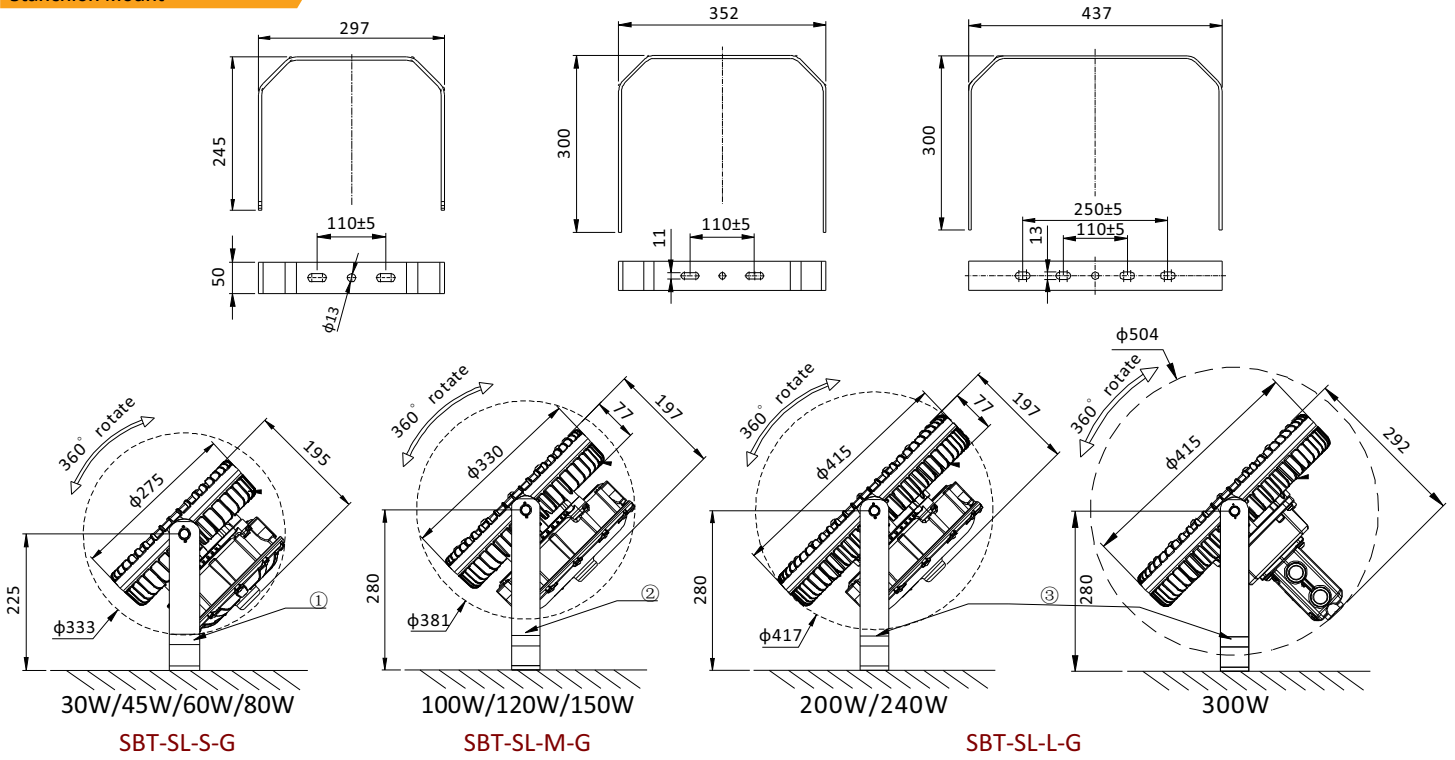
Weight: 1.34kg
30W|45W|60W|80W

Entry Type



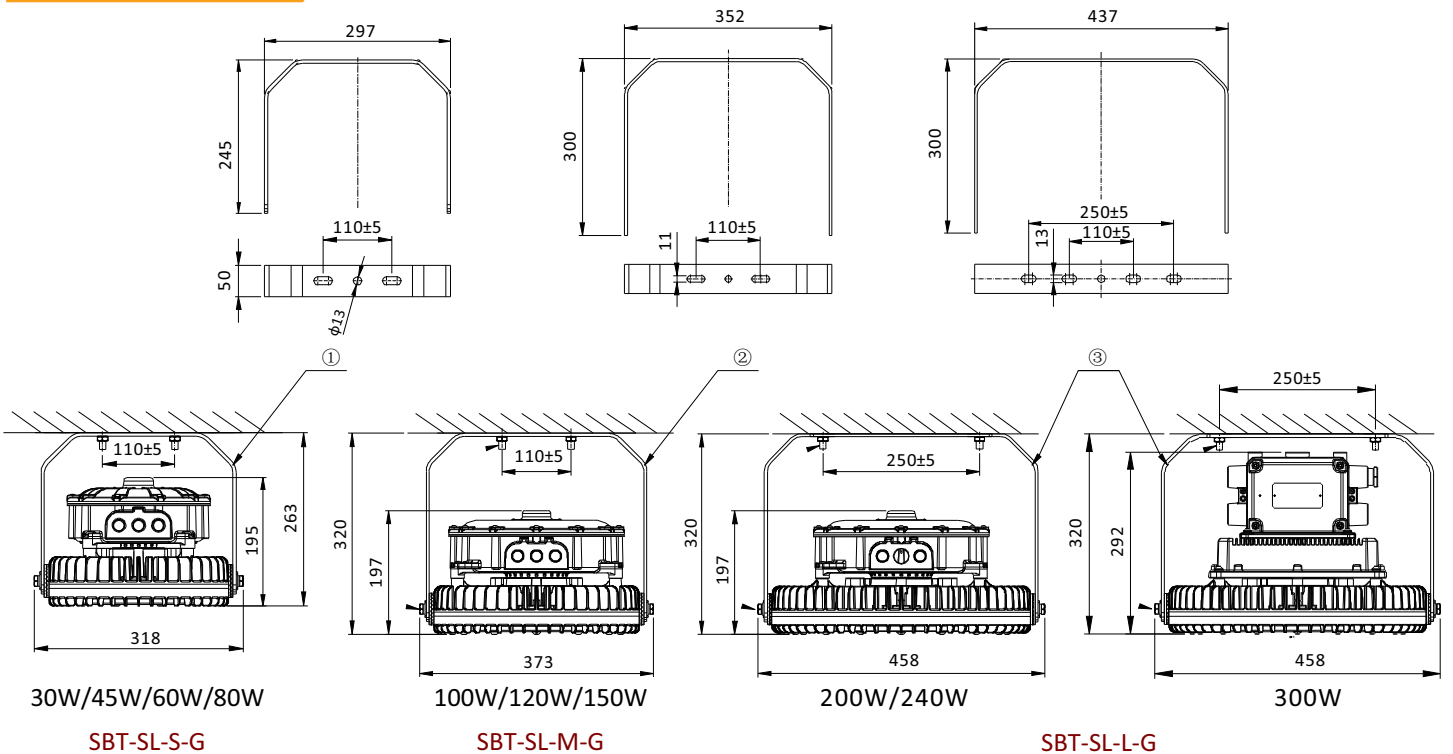
(unit:mm)

Stanchion Mount

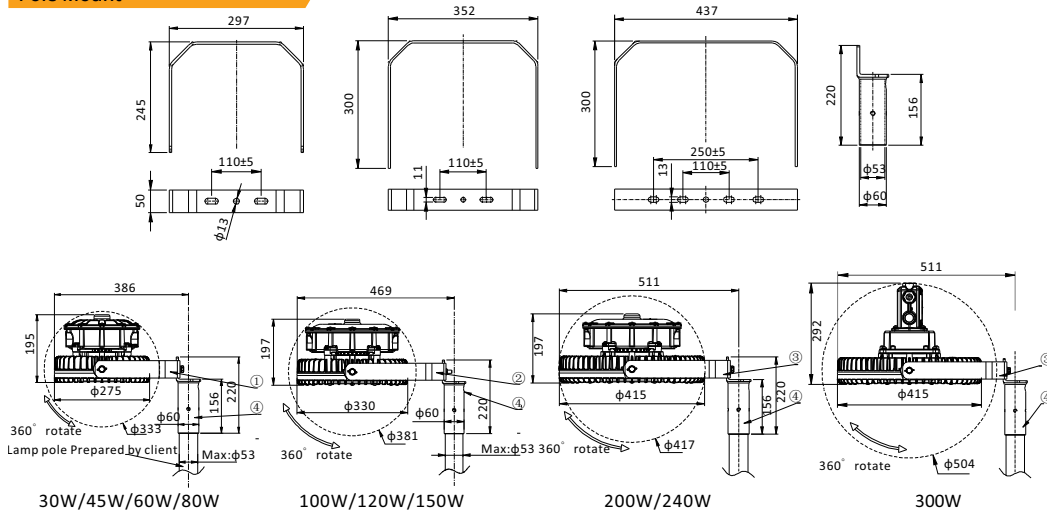


Ceiling Mount

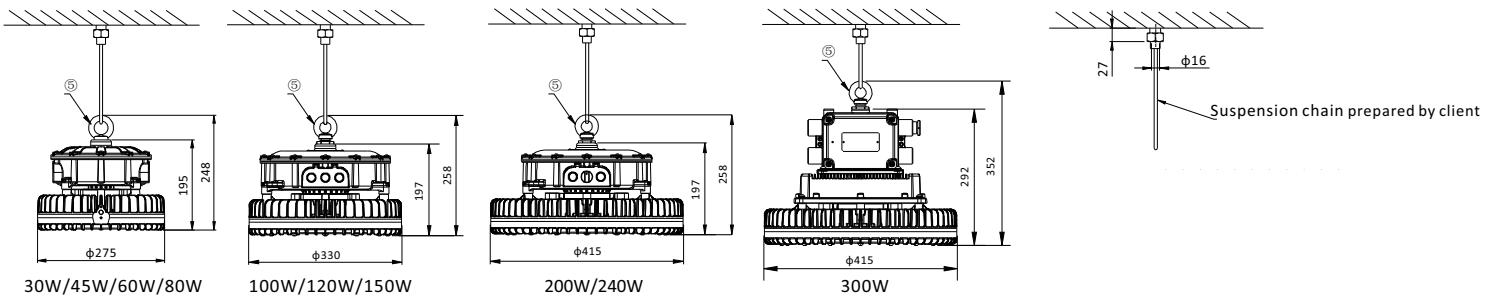
(unit:mm)



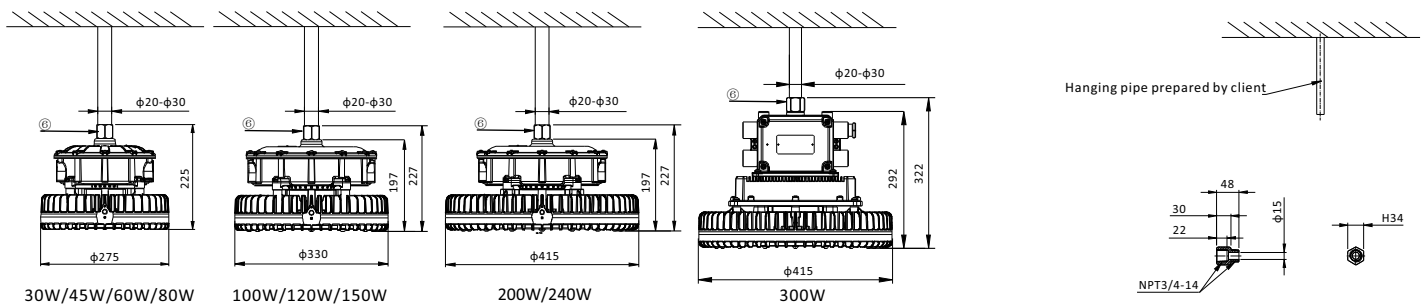
Pole Mount



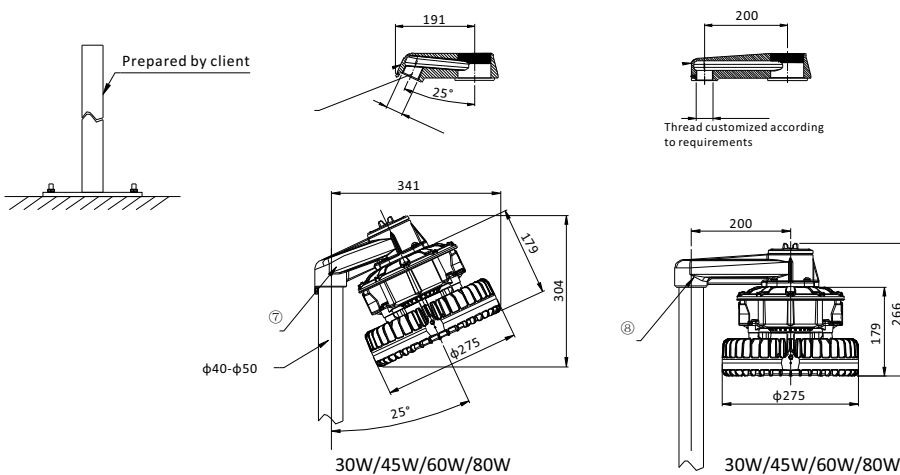
Pendant Mount



Pipe Mount



Pole Mount





Standard

Emergency / Eyewash Green



Application

- Power plants / Heavy Industrial
- Storage Facility / Paper mills
- Wastewater Treatment Plants
- Loading Docks / Platforms / Shipyards
- Chemical Processing Facility
- Petrochemical Processing Facility
- Emergency Eyewash Station



Eyewash Station

Specification

MODEL	ETG-EXABERD20	ETG-EXABERD40	ETG-EXABERD60	ETG-EXABERD80	ETG-EXABERD100
Power (W)	20	40	60	80	100
Luminous Flux (lm)	2400	4400	6800	8700	10,000
Voltage / PF	AC120-277, 50/60Hz / ≥0.95		Wiring	Single access Twin access	
Luminous Efficacy (lm/W)	120 lm/W		Cable entries	4 x M25/M20 - 2 at each end	
Beam Angle	110°		Front Cap and Cover End	Copper free die-cast aluminium	
CRI CCT	Ra>80 2700K/4000K/5000K/5700K Red/Green/Blue/Amber		Termination	L1, L2, L3, N, PE; each Terminal 2x6mm ² max	
IP/IK Rating	IP66 / IK10		Body	Marine grade aluminium	
Ambient Temperature	-40°C ~ +55°C EM: -20°C~+50°C		Colour	Dark Grey (RAL7073)	
Surge protection	6kV Line to ground		Lens Cover	Transparent PC / Frosted PC	
IP/IK Rating	IP66 / IK10		Hardware	Stainless Steel 316	
Environmental Specs	80-100W-T5 / 20-60W-T6		Lifespan	L70 > 150,000 hours @55°C ambient	
Finish	Polyester powder coating for uniform corrosion resistance				
Mounting	Ceiling, Wall, Suspended, Pole		Warranty	5 Years 1 Year battery	
Emergency [EM] (Optional)	Material : Nickel-Cadmium Expected : 3 Year Battery Duration : 12W 90mins @-20°C ~ +50°C (6W 180mins optional)				

Ex ABERDEEN

BATTEN LIGHT

Emergency Option Eyewash Station Option

- + Low profile design allows installation in work areas with low ceiling heights
- + Great replacement for florescent lights
- + UV stable and impact resistant clear or diffused PC lens as standard to minimize glare
- + Single Lens model 20W to 40W; Double Lens model 60W to 100W
- + High luminous efficacy - Up to 120 lm/W
- + Superior CRI 80 compared to HPS, LPS, MV
- + Suitable for hazardous areas involving flammable gases or combustible dusts
- + Resistant to shock and vibration (IK10)

Certifications & Compliance

- + IECEx: Ex db eb mb op is IIC T6 Gb
Ex tb op is IIIC T80°C Db
ATEX: II 2 G Ex db eb mb op is IIC T6 Gb
II 2 D Ex tb op is IIIC T80°C Db
Zone 1, 21
CE EMC/LVD | IP66 | IK10

Area Classification

- + Zone 1 & 21

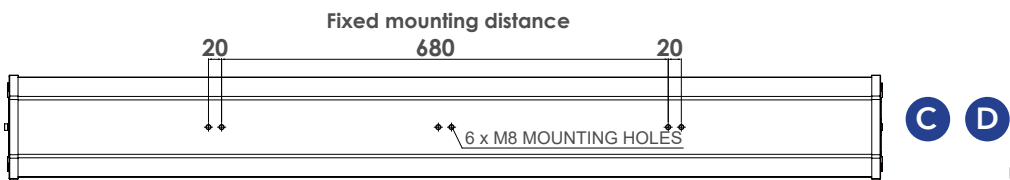
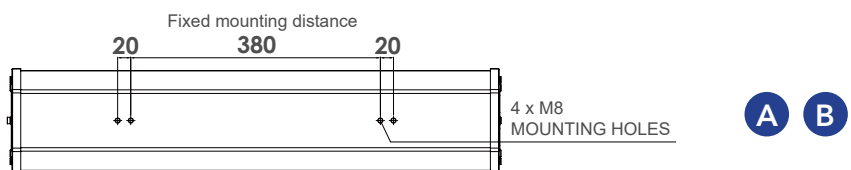
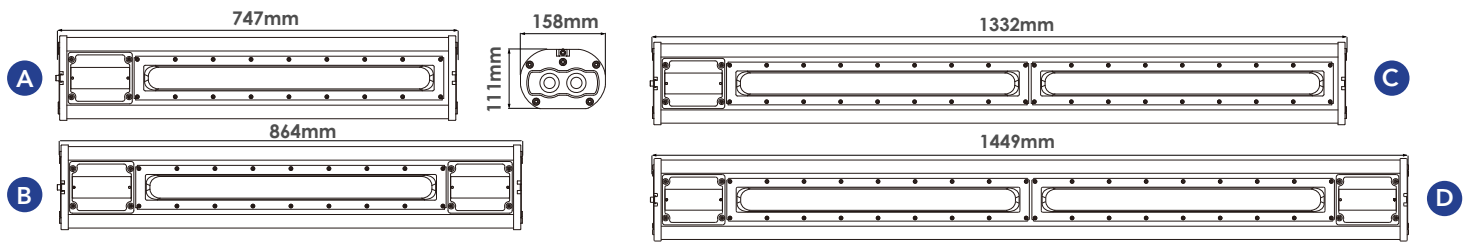




Dimensions & Weights

Model No	Weight (kg)	Dimensions (mm) (LWH)
A ETG-EXABERD 20 / 40	6.3 kg	744 x 158 x 111 mm
B ETG-EXABERD 20 / 40 (Twin Terminal)	6.7 kg	864x 158 x 111 mm
C ETG-EXABERD 60 / 80 / 100	9.5 kg	1332 x 158 x 111 mm
D ETG-EXABERD 60 / 80 / 100 (Twin Terminal)	9.9 kg	1449 x 158 x 111 mm

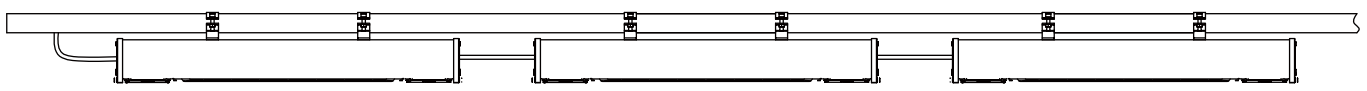
Dimensions and Assembly types



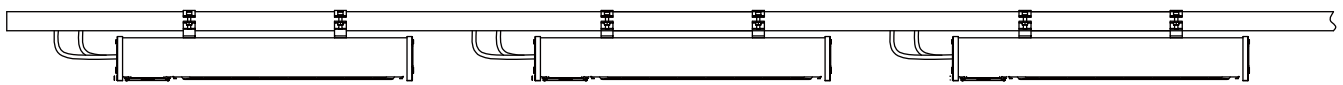
Unit:mm

IN/OUT Connection Methods

On both ends of the connection



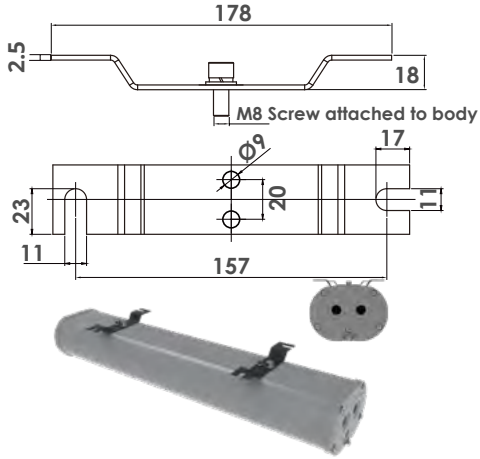
On end of the wire



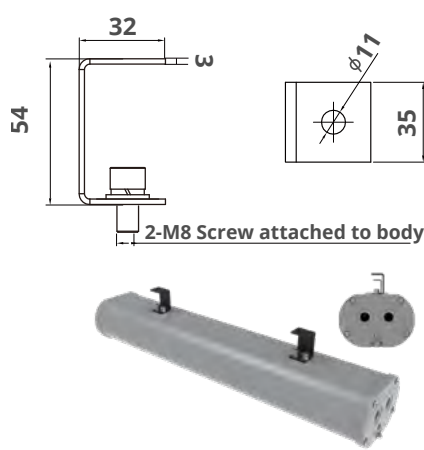


Mounting Options

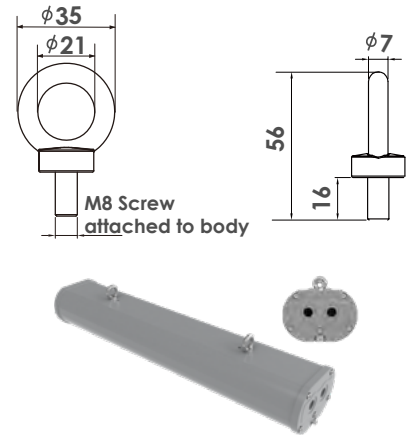
Low Ceiling Bracket Mount | EXAB-CB-L1



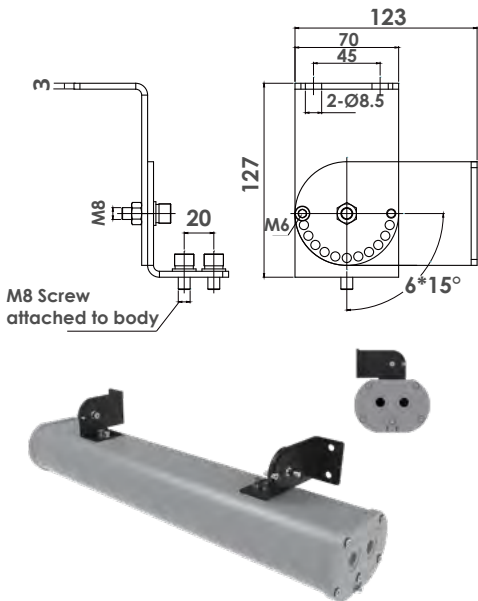
High Ceiling Bracket Mount | EXAB-CB-H1



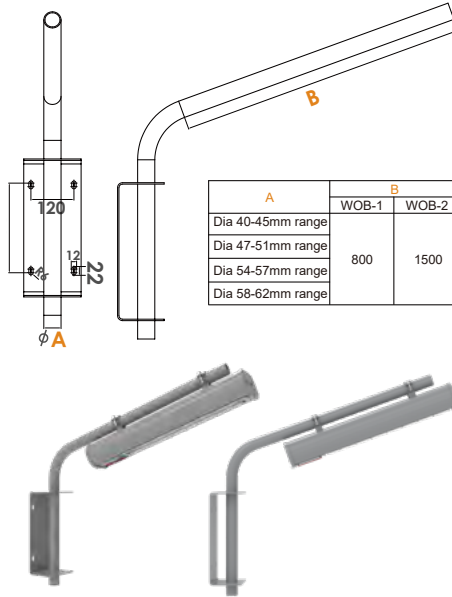
Eyebolt Mount | EXAB-EB-1



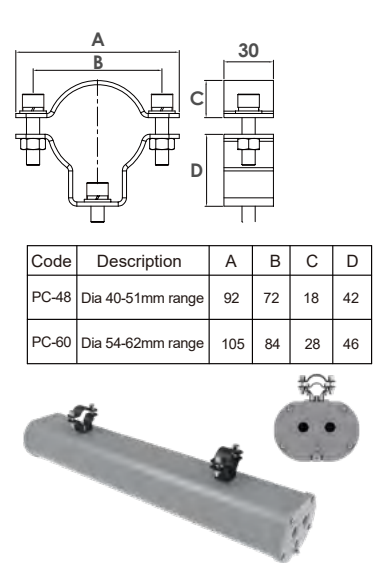
Wall Mount Swivel Bracket | EXAB-WB-1



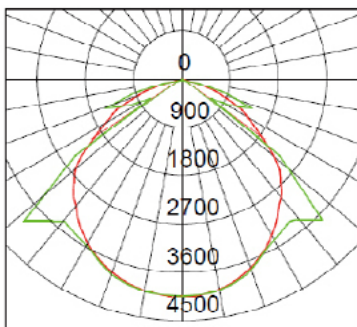
Wall Mount Outreach Bracket | EXAB-WOB-1 & 2



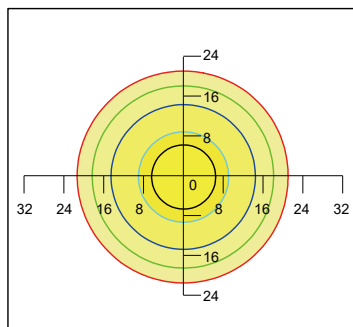
Pole Mount Clamp | EXAB-PC-48 & PC-60



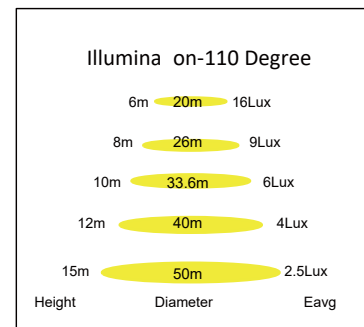
Photometric



— V 0.0DEG PLAN, 112.1
— H 0.0DEG PLAN, 109.1



Mounting Height 33'(10m), 0 Tilt



Flux out: 5253 lm



Ex VENTURA

PORTABLE WORK LIGHT

Emergency

- + Solid steel construction - robust and durable
- + High efficacy and lumen output
- + Secure battery box for increased safety
- + Two batteries included (24V 12Ah)
- + Low surface temperature: effective heat dissipation
- + Life span > 50,000 hours

Certifications & Compliance

- + Gas: II 2 G Ex d e IIC T5 Gb IP54
IECEX, ATEX, ABS, CE, RoHS Compliant

Area Classification

- + Group II Zone 1 & 21 and 2 & 22



Specification

Model	ETG-EXVENTWL		
Power (W) (Switch Knob)	15W / 30W / 60W		
Lumens (lm)	15W: 1900~2050	30W: 3800~4100	60W: 7560~8200
Input Voltage (V) (Hz)	100-277VAC - 50/60Hz	LED Driver Protection	Over voltage / Short Circuit
CCT(K)	3000±300 (WW), 4000±300(NW), 5000±300 (NW), 5700±300 (CW)	Insulation Class	I
CRI	70	Temp. Classification	T5
Luminaire Efficacy	126lm/W	Earthing Protection	M4 (Internal & external earth bolts)
Beam Angle	80°	Body	Die-cast aluminium alloy
IP Rating	IP54	Protective cover	Tempered glass
Ambient Temperature	-20°C ~ +55°C	Coating	Epoxy powder coating
Dimensions (mm)	695*350*218	Exposed Fastener	Stainless steel
Weight (kg)	18	Body Colour	Orange RAL2011
Controls	Dimmer and Battery Level Indicator	Warranty	5 Years (50,000hrs) 1 Year Battery

	Rated Capacity	Type	Lifespan	Lighting duration (W:hr)	Charging time (from 1%)
EMERGENCY	12 Ah	Lead-acid battery	300 cycles	15W : 12hrs 30W : 8Hrs 60W : 4Hrs	12~14 Hours

WHY EARTHTRACK

We put the customer at the centre of what we do. The requirements and practicalities of a mine site vs a heavy engineering workshop vs helping an electrician find the best cost-saving solution for a job, is what we are about.

Our clients expect from us:

- Products that are future-ready so they can build on lighting systems as they need it with solar options, sensors, 'smart' controls, emergency battery backup, accessories and more.
- Experience and understanding of site conditions and circumstances which allows us to identify solutions in a proactive way and provide advice you can trust.
- Highly developed technical knowledge combined with research and development conducted in-house to constantly evaluate and select the best products in each category.
- If we don't have an off-the-shelf product to meet a customer requirement, we have the knowledge to source options worldwide or designed in-house that will deliver.
- Products that comply with Australian electrical, fabrication, powder coating standards.
- Value-for-money pricing across our whole range at the highest quality to suit the application.
- Maximum energy efficiency with lumen output and driver technology that are best suited for the power output of the luminaire.
- Environmentally friendly products and systems, providing maximum power with the use of renewable energy such as Solar and hybrid innovation and non-toxic materials (mercury and lead free).
- Industry-leading warranties on every product and a fast turnaround in product repairs and replacements.

www.earthtrackgroup.com.au
1300 410 485



CONNECT WITH US
Earthtrack Group



LIKE US
earthtrack



FOLLOW US
@earthtrackgroup



Scan the QR code
to download
the latest brochure






Earthtrack Group Pty Ltd


www.earthtrackgroup.com.au


1300 410 485 | sales@etms.com.au

34 Remisko Drive, Forrestdale, WA 6112

 earthtrack

 earthtrack group

 earthtrackgroup

 earthtrack_AU

