

# **Attachment E**

<b>Lighting Report</b>
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# MONUMENT FOR THE EORA

LIGHTING REPORT & PLAN- REV C  
UAP REFERENCE: C4206A  
NOVEMBER 2019

# LIGHTING

## ARTIST DESIGN STATEMENT

The artist's idea for the lighting of the artwork is to illuminate the bara as if by moonlight, this was Utzon's intention for the Opera house "to be lit as if by the light of the moon". The artist is honouring his legacy and reflecting upon this intent. The lighting system proposed is programmable soft, low lux-level lighting which can achieve this purpose. The lighting will be programmed with the level of illumination gradually and cyclically changing to mimic the phases of the moon, and tide, ebbing and flowing.

The art is a recognition of Gadigal women and their work navigating the nawi (canoe), catching fish with the bara shell fishhooks and feeding their families. Womens bodies connect with the cycle of the moon, the moon dictates the tides and times to catch the fish within the harbour.

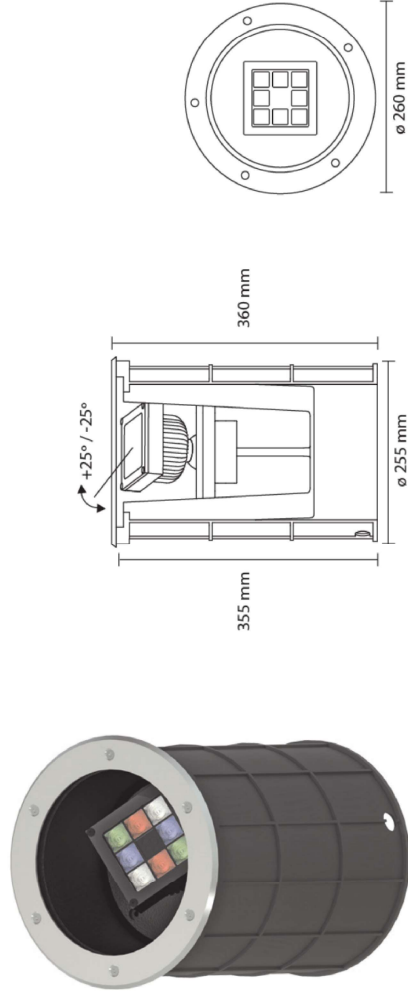
# LIGHTING

## INDICATIVE VISUALISATIONS

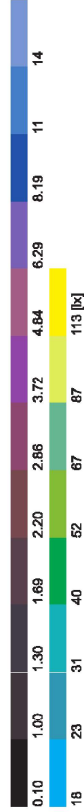
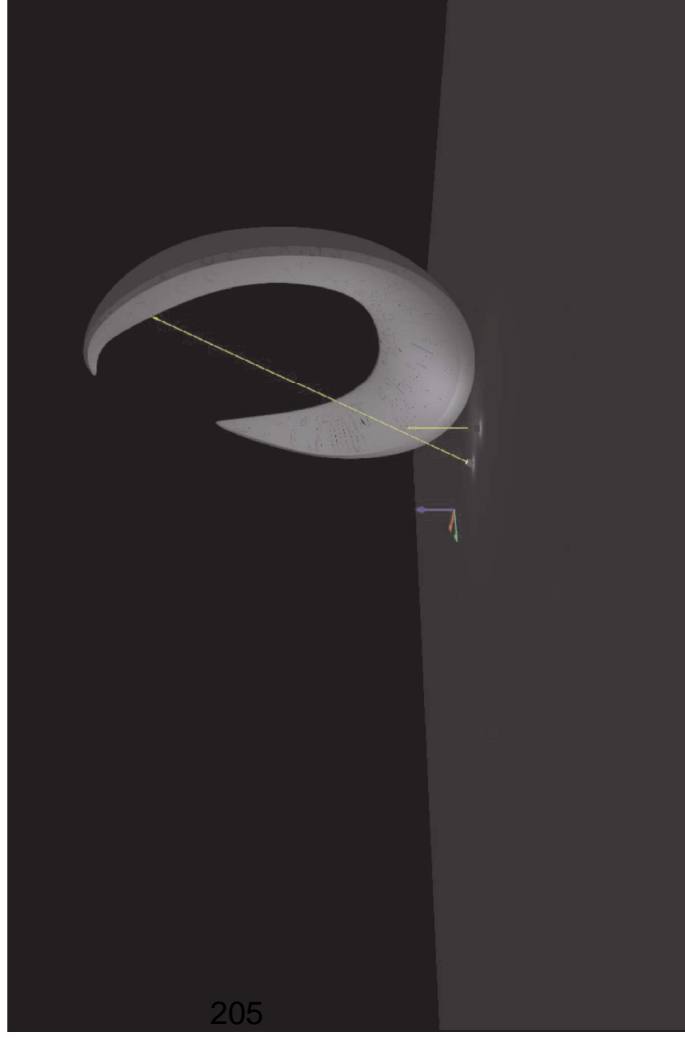
### NOTES:

- Lighting renders below provided by lighting consultant, intent to illustrate intensity and extent of lighting. Surface texture is not visualised and form shown is indicative only.
- Visualisations based on 2 x uplight fixture illuminating the front face of the sculpture.
- Lighting positioned with 1200mm offset and 25 degree tilt.
- Final location and angle of lighting fixtures to be confirmed.
- 2 x lighting fixtures total.
- Proposed lighting fixture - REVO Inground colour Flow DMX-8, 20W, IP67 with integral driver and high grade stainless steel 316 front ring.
- Details on installation are outlined on the following page.

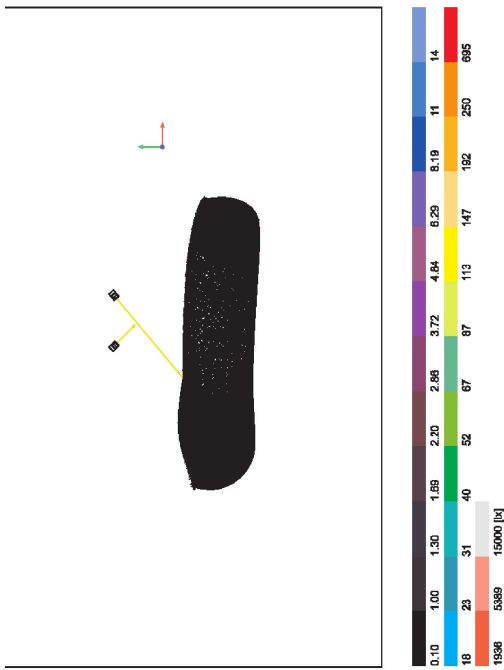
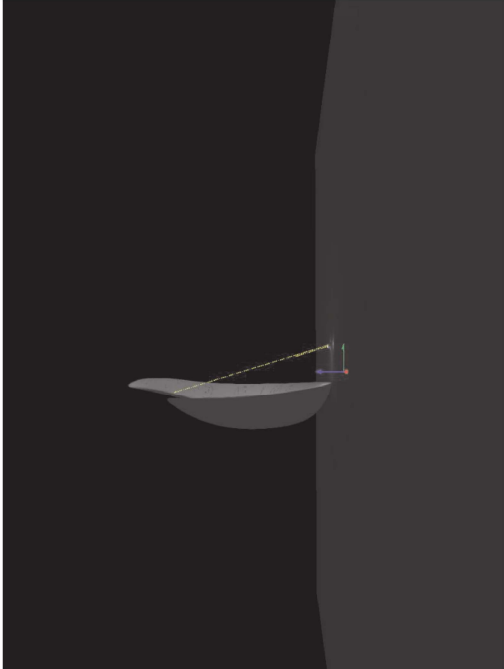
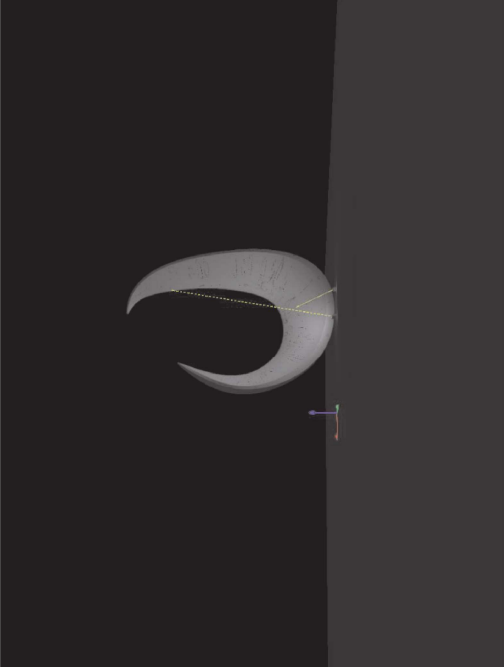
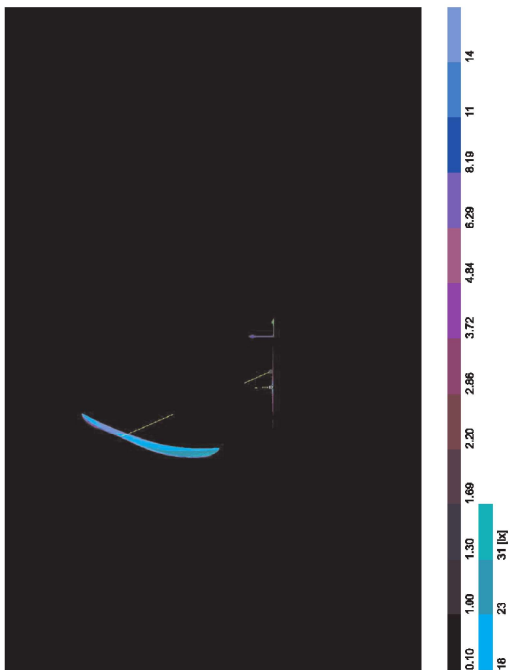
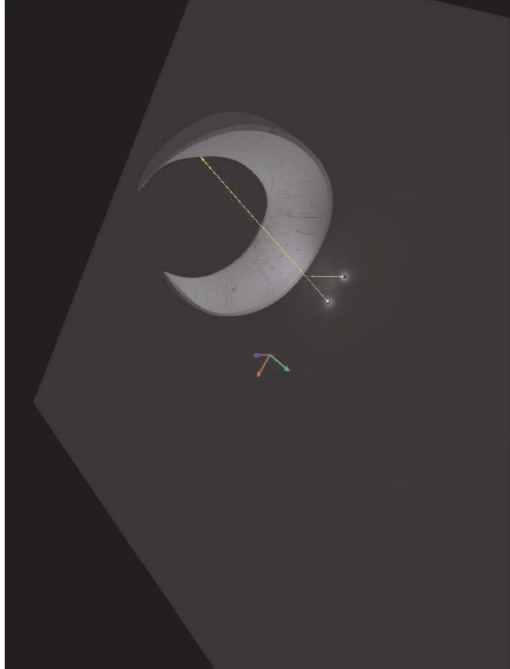
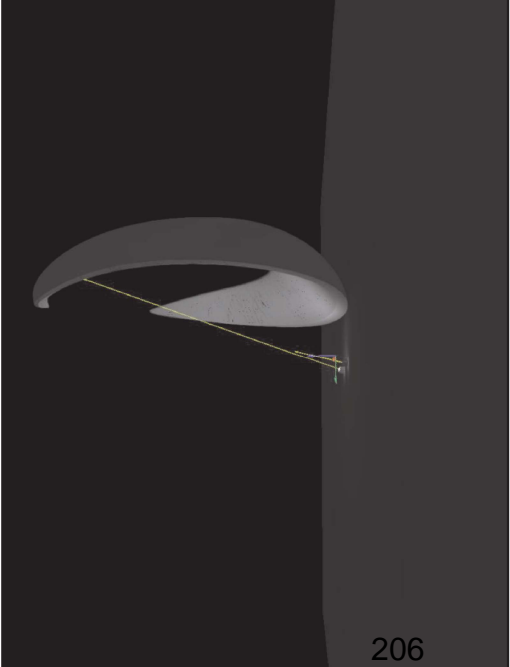
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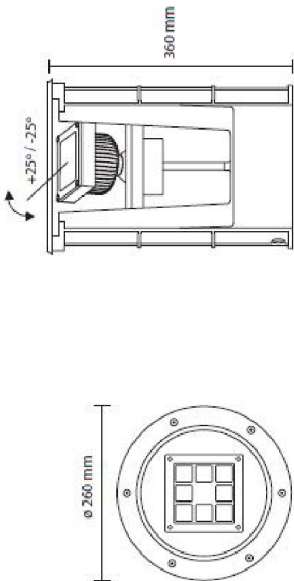
REVO Inground colour flow DMX-8



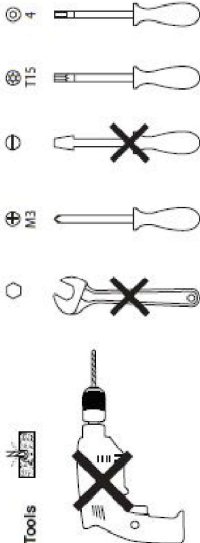




TECHNICAL



Tools



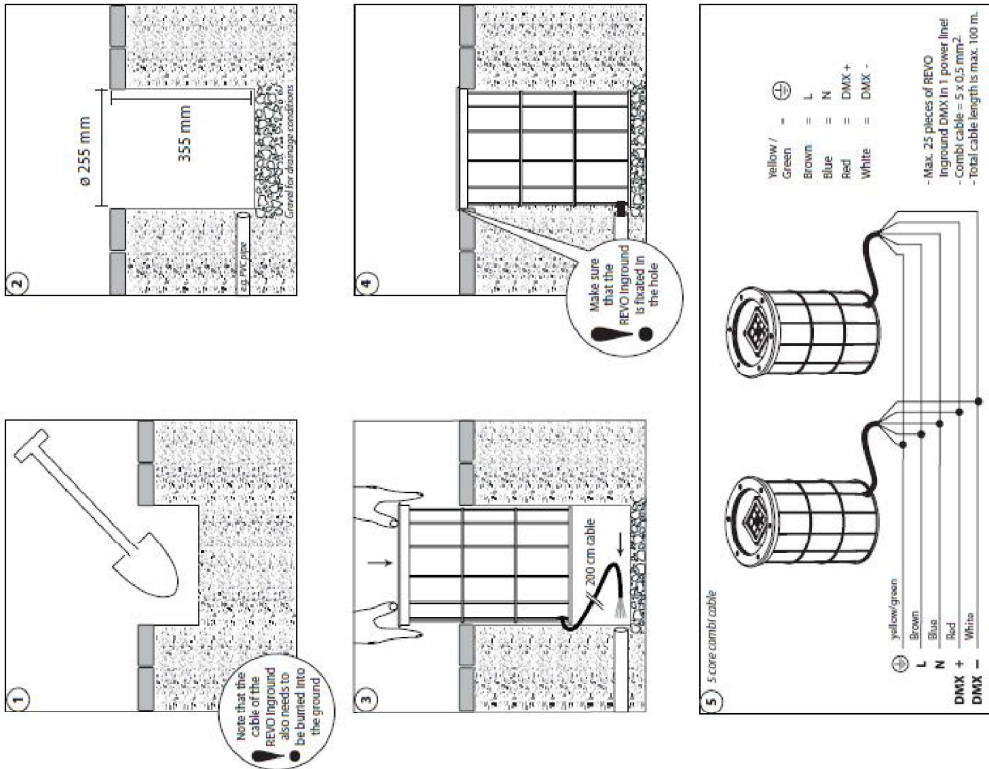
SPECIFICATIONS

LED:  
Available colours:  
Luxon G / TX  
2700K, 3000K, 4000K, 5000K, 6500K,  
ambier, royal blue, red or green  
RGBW, RGB or AWR  
2700K-5000K, 1800K-3000K or 1800K-4000K  
Lenses:  
8", 12", 30", 61", 12x45"  
Power supply:  
100 - 240 VAC  
> 0.65  
Power consumption:  
Max. 20 VA  
Housing:  
Coated aluminum / plastic sleeve  
IP value:  
IK70  
IK value:  
2 meter  
Cable length:  
360 x 260 mm (two)  
Measurements:  
Ambient temperature: -20° C till +50° C

ACCESSORIES

871998 CLS mold set for the REVO Inground DMX series  
122200 CLS D-4a DMX addresser unit

INSTALLATION





NOTES:

Key points on the proposed control box include:

- Lockable- standard electrical box key
- Vandal resistant (IK10)
- Wall- mounted- mounting plate (mild steel),
- Push button operation
- 5-year warranty
- Weatherproof- IP66 rating



Enclosure Wall Mount Mild Steel IP 66 H300xW300xD155mm Single Door

- Over 50 stocked sizes ensuring you have a high quality product ready for any situation in exactly the right size
- IP66 and IK10 protection due to the fully folded and seam welded mild steel construction provides the highest protection for your internal components, for a range of indoor applications
- Wall fixing holes are pressed out 2mm allowing for the enclosure to lay on its back with no damage to the rear
- Strengthened over folded front frame serves as a gutter to keep liquids away from the polyurethane gasket
- Concealed hinges with captive hinge pins provide 130° opening and clean smooth lines; plus easy removal for maintenance and extra resistance to vibration
- Gland plate installed as standard towards the rear of the enclosure to make for easy wiring
- Comes with galvanised mounting plate as standard with gland plate opening same width as mounting plate for easy installation. Mounting plate is marked at 10mm intervals for easy horizontal positioning of equipment
- Reversible door allows for flexibility in installation with the same enclosure able to be used in double the applications
- A large range of custom locking options available to replace the standard 3mm double-bit lock

Representative Photo Only  
(actual product may vary based on configuration selections)

SPECIFICATIONS

Product Series	MAS Wall Mount (Single Door)		
Material, Body / Housing	Powder Coated Mild Steel	material	
Enclosure Load Capacity	160	kg	
Door Load Capacity	28	kg	
Door Mounting Profiles	Not included, however studs for mounting MMDP door profiles are included on the door		
NEMA Enclosure Class (NEMA 250/2003)	Type 4	Type 12	Type 13
Material thickness, body / housing	1.2 mm		
Colour, Body / Housing	Light Grey (RAL 7035) colour		
Finish, body / housing	Ripple body/housing		
Details, body / housing	Folded and seam welded. Four 8.5mm diameter holes for wall fixing, pressed out in 20.4mm diameter x 2mm depressions to allow air circulation around the rear part of the enclosure.		
Height	300 mm		
Width	300 mm		
Depth	155 mm		
Weight	5.2 kg		
IP Rating	IP66		
IK Rating	IK10		
Material, door	Powder Coated Mild Steel		
Material thickness, door	1.2 mm		



Dimension Diagram

**UAP**

ENCLOSURE W/MOUNT M/STEEL H300 x W300 x D155mm S/DOOR IP66

Enclosures and Climate Control > Standard Enclosures > Wall Mount Enclosures > Mild Steel >  
Wall Mount Enclosures - MAS Single Door > MAS Single Door Wall Mount Enclosures - RAL 7035 Light Grey (Includes  
Mounting Plate)

Employee ID	Employee Name	Employee Salary	Employee Department	Employee Job Title	Employee Hire Date	Employee Commission %	Employee Commission	Employee Manager	Employee P1	Employee P2	Employee P3	Employee P4	Employee P5	Employee P6	Employee P7	Employee P8	Employee P9	Employee P10	Employee P11	Employee P12	Employee P13	Employee P14	Employee P15	Employee P16	Employee P17	Employee P18	Employee P19	Employee P20	Employee P21	Employee P22	Employee P23	Employee P24	Employee P25	Employee P26	Employee P27	Employee P28	Employee P29	Employee P30	Employee P31	Employee P32	Employee P33	Employee P34	Employee P35	Employee P36	Employee P37	Employee P38	Employee P39	Employee P40	Employee P41	Employee P42	Employee P43	Employee P44	Employee P45	Employee P46	Employee P47	Employee P48	Employee P49	Employee P50	Employee P51	Employee P52	Employee P53	Employee P54	Employee P55	Employee P56	Employee P57	Employee P58	Employee P59	Employee P60	Employee P61	Employee P62	Employee P63	Employee P64	Employee P65	Employee P66	Employee P67	Employee P68	Employee P69	Employee P70	Employee P71	Employee P72	Employee P73	Employee P74	Employee P75	Employee P76	Employee P77	Employee P78	Employee P79	Employee P80	Employee P81	Employee P82	Employee P83	Employee P84	Employee P85	Employee P86	Employee P87	Employee P88	Employee P89	Employee P90	Employee P91	Employee P92	Employee P93	Employee P94	Employee P95	Employee P96	Employee P97	Employee P98	Employee P99	Employee P100	Employee P101	Employee P102	Employee P103	Employee P104	Employee P105	Employee P106	Employee P107	Employee P108	Employee P109	Employee P110	Employee P111	Employee P112	Employee P113	Employee P114	Employee P115	Employee P116	Employee P117	Employee P118	Employee P119	Employee P120	Employee P121	Employee P122	Employee P123	Employee P124	Employee P125	Employee P126	Employee P127	Employee P128	Employee P129	Employee P130	Employee P131	Employee P132	Employee P133	Employee P134	Employee P135	Employee P136	Employee P137	Employee P138	Employee 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