



DESIGN AND ACCESS STATEMENT

TO ACCOMPANY AN APPLICATION FOR

ADVERTISEMENT CONSENT

AT

MANCHESTER MUSEUM, OXFORD ROAD ENTRANCE

INTRODUCTION

This Design and Access Statement accompanies and application for Advertisement Consent for an illuminated sign to mark the public entrance of Manchester Museum on Oxford Road, along with renewal of the external lighting to the Oxford Road elevations to the Haworth Building and the adjacent 1913 Extension.

The sign and external lighting form part of the works to create the new public entrance and associated low wall, railings, access path and steps, which have received planning and listed building consent under the following approval notices:

Planning Reference

- I24456/JO/2019

LBC References

- I24457/JO/2019
- I24458/JO/2019
- I24459/JO/2019

Variation of Conditions References

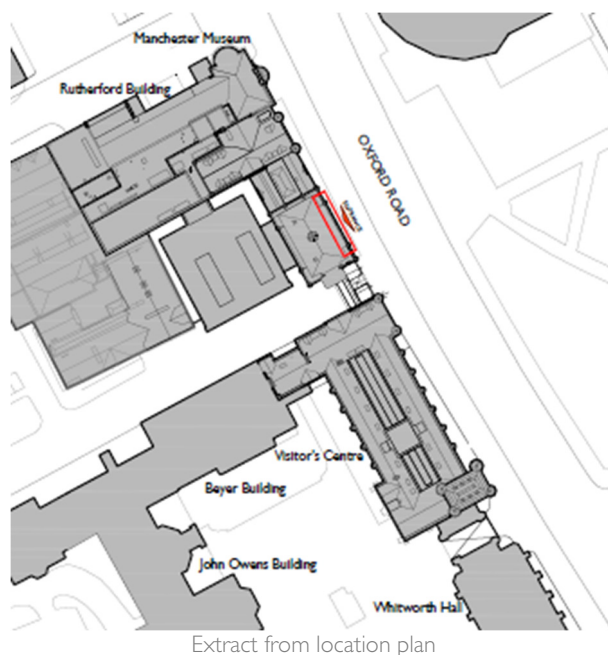
- I30016/JO/2021
- I30084/JO/2021
- I30085/JO/2021
- I30085/JO/2021

The proposed illuminated sign is an integral part of the approved entrance design, being located above the new oak doors, but within the door frame in the 'fanlight' position. The signage will be finished in the same material as the door frame.

The external lighting illuminates the Oxford Road elevations of the Haworth Building and the adjacent Infill Building and replaces the existing obsolete floodlighting which was attached to the moat wall which the new inclined pavement approach now covers. In addition, the design includes recessed wall lights within the low level wall to the access routes to provide downlight onto the ramp surface.

LOCATION OF THE SIGN

Manchester Museum occupies a series of linked listed buildings on Oxford Road, the most eminent being the first built in 1888, and designed by Alfred Waterhouse. In 2003 the museum was extended to provide a new accessible entrance through the courtyard. Although greatly improving access, the courtyard arrival route has made the entrance more difficult. It has limited street presence on Oxford Road, and for this reason the project intends also to relocate the entrance.

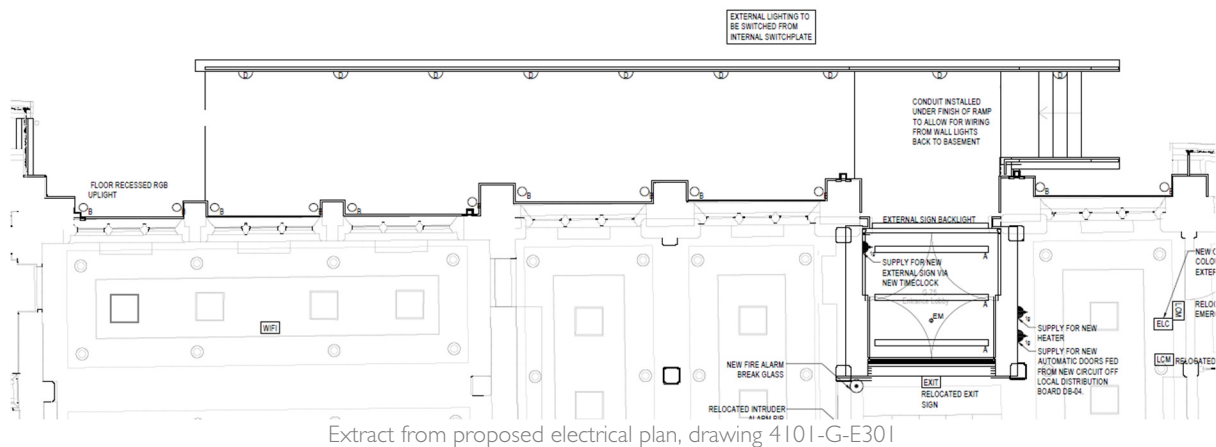


LOCATION OF THE EXTERNAL LIGHTING

The external façade lighting is located in pairs, adjacent to and to either side the buttresses (identified as fitting B), floor mounted within the construction of the inclined pavement along its length. The uplighters will wash the building with light; the colour of which can be amended to suit any events taking place at the Museum and any city-wide or national campaigns.

The flush brick lights (identified as fitting D) are incorporated into the low front wall of the new entrance to provide downlight to wash the steps and inclined approach with light. The new entrance is required as a final exit in the approved fire strategy and is therefore a requirement to create safe egress in the event of fire or any other evacuation scenario.

The lighting will be functional 24 hours a day.



Extract from proposed electrical plan, drawing 4101-G-E301

The new Oxford Road entrance and the associated illuminated signage and external lighting are located at the Haworth Building on the Oxford Road frontage of the museum.:

1911 Haworth Building

Listed Grade II

This extension was designed in 1911 by Paul Waterhouse and constructed the following year to house the Egyptian and ethnological collections. The design largely continues that of the 1895 Building in walling materials and window height but is only two storeys on the exterior, although the building is four storeys in height with a basement and has a lead-clad roof.

Built in Hotel de Ville style it is symmetrical with five bays and buttresses and has a two-storey arched bridge over Coupland Street at the southern end which provided access through to the 1885 Building.

The new entrance and signage are located in this building.

The assessment of the heritage and the impact of the proposals can be found in the Heritage Statement which accompanies this application.

THE PROPOSALS

The scope of this project is to provide a new public entrance on Oxford Road through alternations to the facade of the 1911 Howarth Building and minor internal modification. The redevelopment and refurbishment scope for these buildings have been based on the following key principals:

- Use the completed significance appraisal reports to inform development proposals and where possible remove more recent internal partitioning to enable the original spatial arrangement to be utilised to accommodate new brief requirements
- Use the project to complete outstanding conservation works to the external fabric of the Rutherford Building to the highest level possible within the development budget.
- Create a new hierarchy of internal circulation to provide a clear, easily understood framework by which to navigate the building.

It is proposed to take the opportunity that the alterations present to repair and conserve the external envelope of the building to a high standard, in conjunction with the proposed extension and alteration work.

ILLUMINATED EXTERNAL SIGNAGE

The proposed illuminated signs forms part of the new entrance door construction. The door opening is framed by a steel goalpost arrangement clad in a bronze coloured anodised aluminium cladding. The entrance doors will be clear finished boarded oak. The proposed illuminated signage will be located above the doors and will also be clad in bronze coloured anodised aluminium cladding which will be flush with the front face of the door surround with a shadow gap around it. The sign will bear the Manchester Museum logo with 'Manchester Museum' below.

The logo and lettering will be stencil cut out of the anodised aluminium sheet and bonded onto a backing sheet of white opaque Perspex to diffuse the lighting which will be sealed within a backing box, so light does not 'leak' at the edges.



Extract from the Oxford Road elevation of the Howarth building showing the public entrance and proposed illuminated sign

The material palette is as follows:

- Anodised aluminium face material – United Anodisers Ltd – Anolok 547
- Size of signage panel – 2560 x 715mm
- 050 Perspex acrylic sheet – 3mm Opaque White (transmission value 37%)
- Lighting – 50 x 100 lumen LED luminaires to provide 3150 lumens



Finish to signage panel and cladding Image of the proposed illuminated sign

It is proposed that the sign will be permanently illuminated, to mark the entrance of this public building, to enhance wayfinding for the casual or first time visitor and to enhance legibility at night and on dull days. The sign will improve access for all, by clearly denoting the entrance, which is set back from the pavement by the low wall, railings, access path and steps.

The sign has been designed so that it can be readily replaced when maintenance requires renewal, or a new corporate logo needs to be included.

EXTERNAL LIGHTING

The proposed external lighting forms part of the new entrance construction; the fittings are located in the new fabric and not attached to the existing listed building.

Façade Lighting:

The requirement for the external lighting to wash the building is to replace the existing flood lighting which is now obsolete and would be covered by the new access construction if left in situ. The new uplighters are recessed into the paving and the light wash can be adjusted to any colour.



TECHNICAL FEATURES

IP65-IP67 IK10



RF

850°C



360°



Power (W) : 17W

Total power consumption of light (W) : 18.5W

Real lumens : 618

Real lm/W : 33

Voltage / frequency : 100-240V/50-60Hz

Power Factor : 0.90

Useful life : 50.000h L80B20

Warranty : 5 Years

LEDS C4

— Gea



Gea is the LEDS C4 most versatile collection of recessed floor-standing as it offers a wide variety of options to cover the needs of any type of outdoor project. With a resistant and highly durable design, it is made with materials that provide special protection and processes to maximise product life. Ideal for installation in humid environments or even on the seafloor. Its strong structure even allows it to be installed in areas transited by vehicles.

- Stainless steel recessed RGB LED uplighter, allowing colour change
- 12 no. uplighters x 618 lumens
- Electrical supply taken from the building in the existing location in conduit to the identified locations through the new entrance construction.

Fix 506				DIFF. VETRO		POSITION 		
IP66 IK10 20J xx9 C€								
LED	W	LM	REAL LM	COL.	CODE *	* LED COLOUR		
A++	7,2	750	375			220-240 V		
					LL120008	N 4000K		
					LL120009	3 3000K, lm -5%		
					LL120010	2 2700K, lm -5%		
					LL120011			

Predisposto per doppio ingresso alimentazione.

Double cable entry at the back.

Possibilità alimentazione double entrée.



- Recessed wall light with asymmetric throw and silver body located at low level in the ramp construction
- 9 no. x 750 lumens
- Electrical supply taken from the building in the existing location in conduit to the identified locations through the new entrance construction.

APPENDIX A

LIGHTING TECHNICAL LITERATURE

I **ATTENZIONE!** La sicurezza dell'apparecchio è garantita solo con l'uso appropriato delle seguenti istruzioni, pertanto è necessario conservarle.

La manutenzione e l'installazione devono essere eseguite solo dopo aver disinserito l'energia elettrica. Durante le fasi d'installazione evitare in qualsiasi caso l'utilizzo di sostanze lubrificanti quali oli, grassi o loro derivati; tali sostanze a contatto con le parti plastiche potrebbero causarne la rottura.

ATTENZIONE: Fra le diverse soluzioni a led è possibile rilevare una variazione della temperatura colore, in funzione della tecnologia costruttiva del led stesso. Tra diversi lotti di fornitura si ritiene accettabile una tolleranza del 15% sulla temperatura colore del led.

AVVERTENZE: L'apparecchio non deve, in alcuna circostanza, essere coperto con materiale isolante o simili. Il diffusore pulito garantisce il rendimento ottimale dell'apparecchio. Consigliamo una pulizia periodica utilizzando, per i diffusori in materiale termoplastico, detergenti neutri privi di silicone e suoi derivati. **Per qualsiasi dubbio contattare un elettricista qualificato. Questo apparecchio è conforme secondo la norma EN 60598-1.**

LOMBARDO S.r.l. non risponde di danni a cose e persone imputabili a modifiche, manomissioni o impiego non conforme alle caratteristiche tecniche del prodotto.

Apparecchio di illuminazione da incasso

Apparecchio idoneo al montaggio diretto su superfici normalmente infiammabili.

Apparecchio totalmente protetto contro la polvere: IP 6X

Apparecchio protetto contro le ondate: IP X6



UK CAUTION! The safety of the light fitting is only guaranteed if the instructions are followed carefully and they must be kept for future reference. Maintenance and installation procedures must only be carried out when the mains have been switched off. During installation, avoid all use of lubricants such as oil, grease or any derivatives; such substances may cause damage to the plastic parts when in contact with them.

NOTE: Among the different led solutions, it is possible to detect a change in colour temperature, depending on the construction technology of the led. Among the different lots of supply a tolerance of 15% shall be acceptable on the colour temperature of the leds.

NOTE: The light fitting must never, under any circumstances, be covered with insulating or similar materials. A clean diffuser guarantees maximum light from the appliance. Periodic cleaning is recommended. For diffusers made of thermoplastic material, use neutral detergents that do not contain silicone or its derivatives. **If in doubt, contact a qualified electrician. This fitting complies to EN 60598-1.**

LOMBARDO S.r.l. is not liable for damage to property and people due to modification, tampering and use not in conformity with the technical characteristics of the product.

Recessed lighting

Light fitting suitable for direct installation on surfaces that are normally inflammable.

Light fitting totally protected from dust: IP 6X

Light fitting protected against waves: IP X6



D ACHTUNG! Die Sicherheit des Gerätes ist nur bei Anwendung der folgenden Anweisungen gewährleistet, die daher aufbewahrt werden müssen. Arbeiten zur Wartung und Installation dürfen nur nach Unterbrechung der Stromzufuhr ausgeführt werden. Während der Installationsphase ist jeglicher Gebrauch von Schmiermitteln wie Öl, Fett und Folgeprodukte zu vermeiden, diese Stoffe können zu Schäden an den Plastikteilen führen.

HINWEIS: Unter den verschiedenen Led-Lösungen, je nach Konstruktion der Led-Technologie, kann eine Änderung der Farbtemperatur detektiert werden. Zwischen den verschiedenen Lieferungen gilt eine Toleranz von 15% auf die Led-Farbtemperatur.

WARNUNG: Das Gerät darf nie mit Isoliermaterial oder ähnlichem bedeckt werden. Eine gut gereinigte Abdeckung garantiert eine optimale Leistung des Apparats. Wir empfehlen daher, für Abdeckungen aus thermoplastischem Material eine periodische Reinigung mit neutralen Reinigungsmitteln ohne Silikon oder Silikonderivaten. **Im Falle von etwaigen Zweifeln sollte ein qualifizierter Dieses Gerät entspricht EN 60598-1.**

LOMBARDO S.r.l. übernimmt keine Verantwortung für Schäden, an Sachen oder Personen, herbeigeführt durch unsachgemäße oder veränderte Handhabung oder Benutzung des Produktes Einbauleuchten

Gerät geeignet zur direkten Montage auf normal entflammbaren Oberflächen.

Gerät vollständig staubgeschützt: IP 6X

Gerät gegen Überflutung geschützt: IP X6



F ATTENTION! La sécurité de l'appareil n'est garantie qu'en cas d'emploi approprié des instructions suivantes. Nous vous conseillons donc de bien les conserver. L'entretien et l'installation ne doivent être effectués que lorsque le courant électrique est coupé. Pendant les phases d'installation, éviter l'usage de lubrifiants, comme par exemple huile, gras et dérivés, parce que ces substances pourraient détériorer les parties en plastique.

NOTE: Parmi les différentes solutions, il est possible de détecter un changement de température couleur, en fonction de la technologie de construction de la led. Entre les différents lots de livraison on peut accepter une tolérance de 15% sur la température couleur des leds.

CONSEILS: L'appareil ne doit en aucun cas être recouvert par du matériel isolant ou similaire. Un diffuseur bien propre peut garantir un maximum de rendement. Nous vous conseillons donc de nettoyer l'appareil périodiquement à l'aide de détergents neutres sans silicone et dérivés pour les diffuseurs en matière thermoplastique. **En cas de doutes, faites appel à un électricien qualifié. Cet appareil est conforme à la norme EN 60598-1.**

LOMBARDO S.r.l. n'est pas responsable des dommages aux biens et aux personnes en raison de modifications, manipulations ou utilisation non conforme aux caractéristiques techniques du produit.

Luminaires à encastrer

Il est possible de monter l'appareil directement sur des superficies normalement inflammables.

Appareil totalement protégé contre toute infiltration de poussière : IP 6X

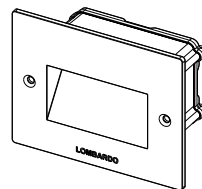
Appareil totalement protégé contre les jets d'eau de fort pression et paquets de mer: IP X6



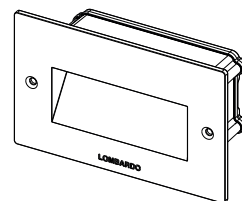
LOMBARDO



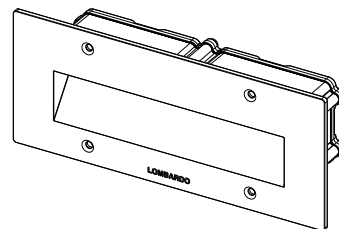
FIX



Fix 503



Fix 504



Fix 506

E ¡ATENCIÓN! La seguridad del aparato está garantizada solamente con el uso apropiado de las siguientes instrucciones, por lo tanto es necesario conservarlas. El mantenimiento y la instalación deben ser efectuados sólo después de haber desconectado la energía eléctrica. Durante las fases de instalación evitar en todos los casos el uso de sustancias lubricantes como aceites, grasas o sus derivados; dichas substancias en contacto con las partes de plástico podrían causar su rotura.

NOTA: Entre las diversas soluciones de los leds, se puede detectar un cambio de temperatura color, dependiendo de la tecnología de construcción del led. Entre los diferentes lotes de la oferta se aceptará una tolerancia del 15% sobre la temperatura color de los leds.

ADVERTENCIAS: El aparato no debe, en ningún caso, cubrirse con material aislante o similares. El difusor limpio garantiza un óptimo rendimiento del aparato. Aconsejamos una limpieza periódica utilizando, para los difusores de material termoplástico, detergentes neutros que no contengan siliconas y sus derivados. **Ante cualquier duda contactar un electricista calificado. Este dispositivo cumple con la norma EN 60598-1.**

LOMBARDO S.r.l. no se hace responsable por los daños a la propiedad y las personas debido a modificación, manipulación y uso no conforme a las características técnicas del producto.

Luminarias empotradas

Aparato idóneo para el montaje directo sobre superficies normalmente inflamables.

Aparato con protección total frente al polvo: IP 6X

Aparato con protección frente a las olas: IP X6



P ¡ATENÇÃO! A segurança do aparelho só é garantida se forem cumpridas as seguintes instruções, portanto será necessário conservá-las. A manutenção e a instalação devem ser feitas só após ter desligado a energia eléctrica. Durante as fases de instalação evitar, em todo o caso, a utilização de substâncias lubrificantes tais como óleos, gorduras ou derivados; estas substâncias em contacto com as partes plásticas poderão causar a sua ruptura.

NOTA: Entre as várias soluções led, pode detectar uma mudança de temperatura cor, dependendo da tecnologia de construção do led. Entre diferentes lotes de fornecimento deve ser uma tolerância de 15% sobre a temperatura cor dos leds.

ADVERTÊNCIAS: O aparelho não deve, de maneira nenhuma, ser coberto com material isolante ou similares. O difusor limpo garante um ótimo rendimento do aparelho. Aconselhamos uma limpeza periódica utilizando, para os difusores de material termoplástico, detergentes neutros sem silicone e derivados. **Para qualquer problema contactar um electricista qualificado. Este dispositivo está em conformidade com a norma EN 60598-1.**

LOMBARDO S.r.l. não se responsabiliza por danos materiais e pessoas, devido a modificações, manipulação ou utilização não em conformidade com as especificações do produto.

Luminárias de embutir

Luminária idónea para a montagem directa em superfícies normalmente inflamáveis.

Aparelho totalmente protegido contra o pó: IP 6X

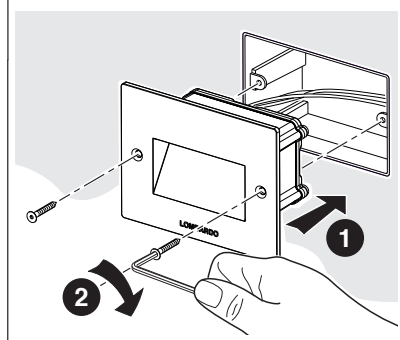
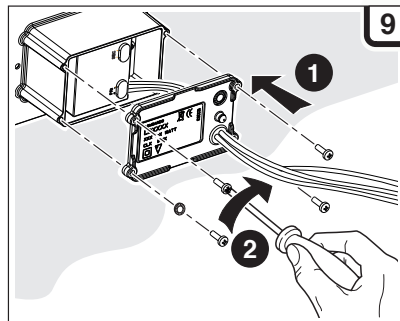
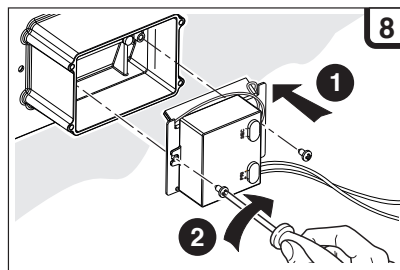
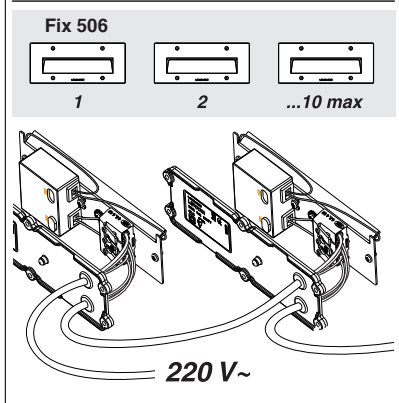
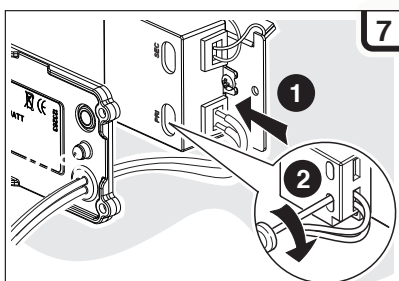
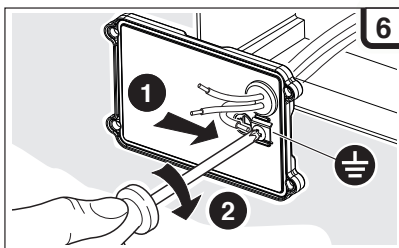
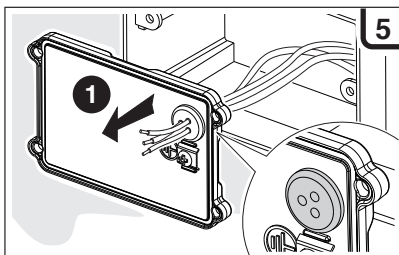
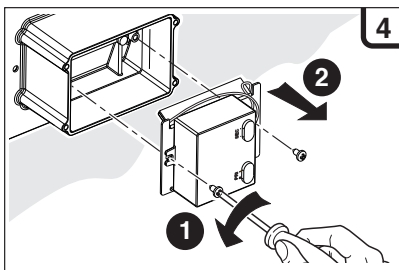
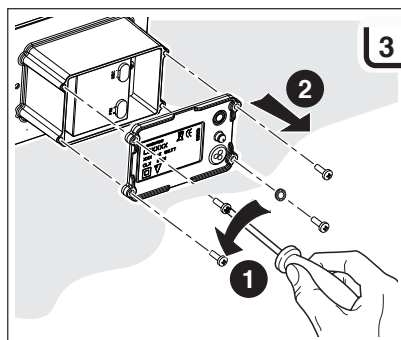
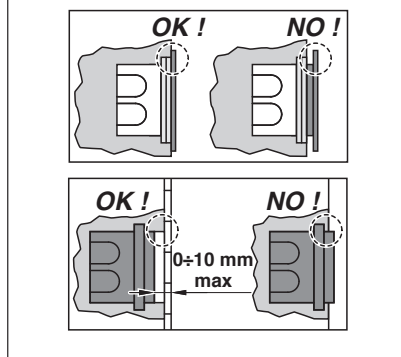
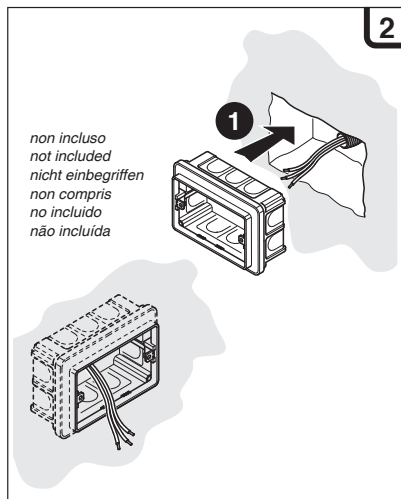
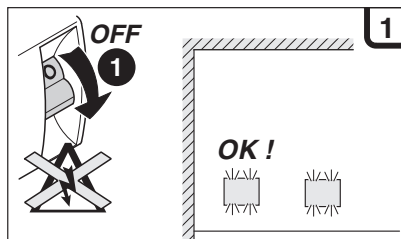
Aparelho protegido contra as ondas IP X6



Rev. A 12/2017
Cod. FIFX000

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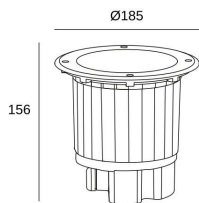
Gea Wall Washer Ø185mm

Leds C4 Team

55-9908-CA-CL

Recessed uplighting IP65-IP67 Gea Wall Washer ø185mm LED 17W 3000K AISI 316 stainless steel 618lm

TECHNICAL FEATURES



IP65-IP67 IK10

 360° 

Power (W) : 17W

Total power consumption of light (W) : 18.5W

Real lumens : 618

Real lm/W : 33

Correlated Colour Temperature (CCT) : LED warm-white 3000K

Dimming protocol : ON-OFF

Lens / reflector angle : FLOOD 81°

Structure material : Stainless steel AISI316,
Aluminium

Structure finish : AISI 316 stainless steel

Diffuser material : Glass

Diffuser finish : Transparent

Voltage / frequency : 100-240V/50-60Hz

Power Factor : 0.90

Useful life : 50.000h L80B20

Warranty : 5 Years

Resistant to marine environments : Yes

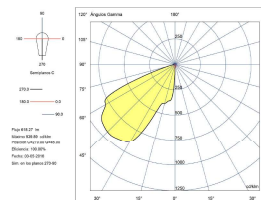
LUMINOTECHNIC FEATURES

Light source: LED OSRAM

CRI: 80

MacAdam steps: 3

Photobiological risk: RG1



VENTILATION FEATURES

Power used: 18.5W

Service value measurement standard: EN 60879:2019

LOGISTICS

Net weight (kg): 1.96

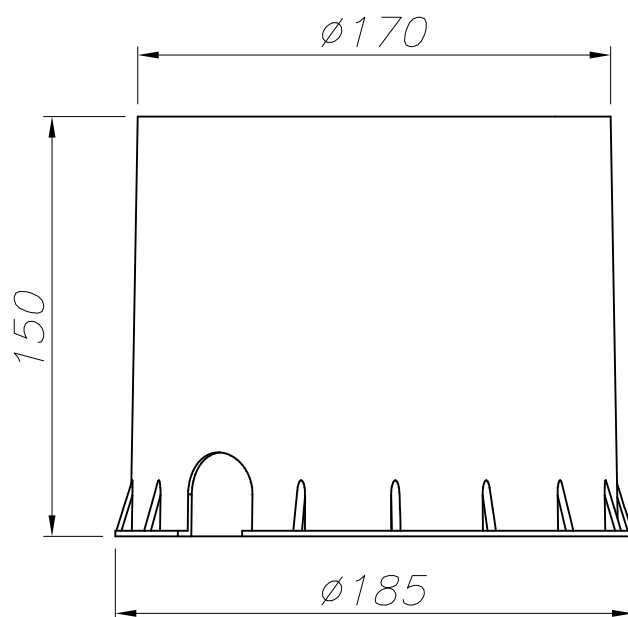
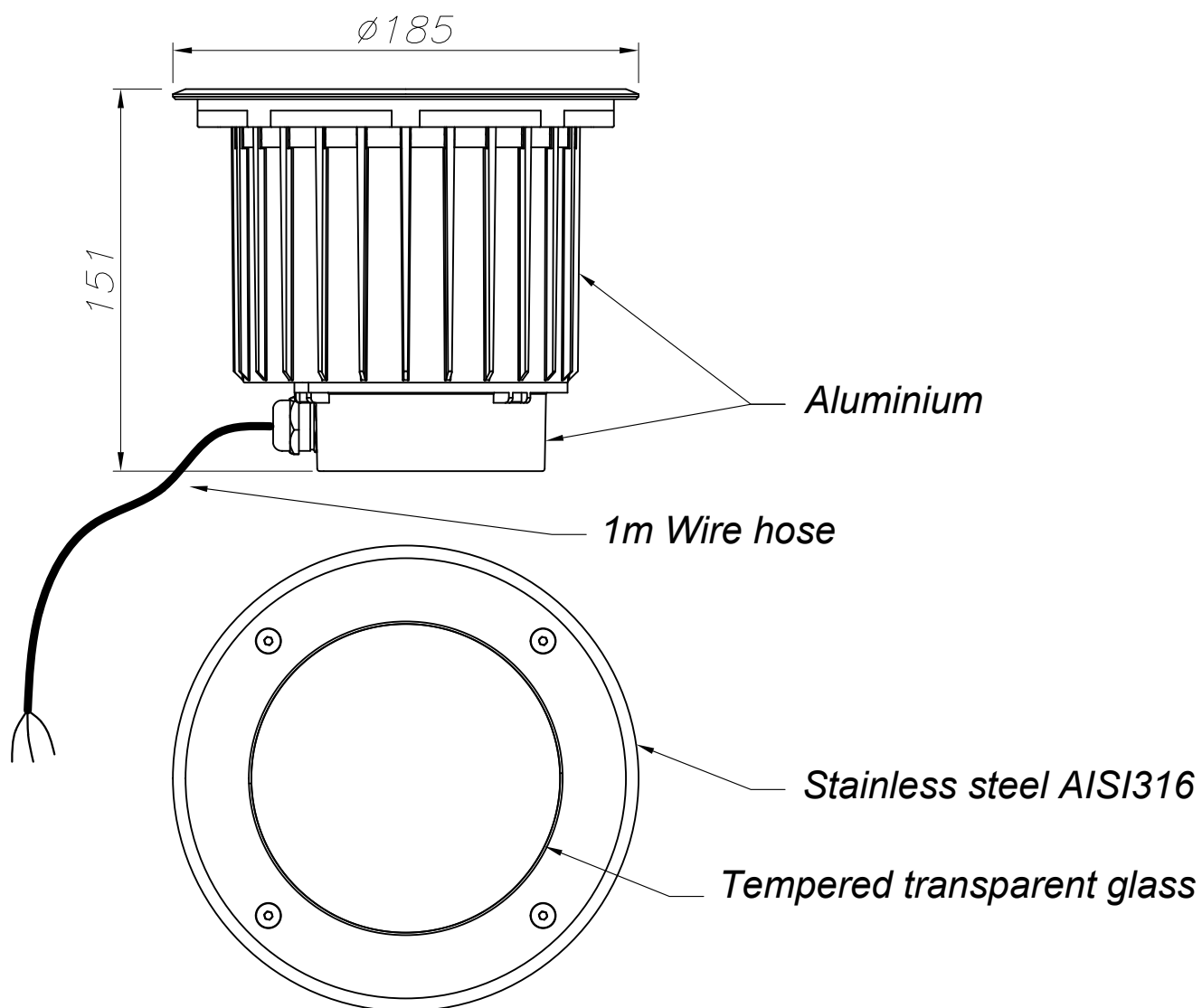
Packaged weight (kg): 2.25

Packaging: 190mm x 190mm x 165mm



4 Un





FITTING BOX