PROJECT NAME	Kings Cross T1 Building
PROJECT NUMBER	3077

CLIENT ACCEPTANCE SHEET SAMPLE NUMBER: 3077-S-463

Work Package	Contractor/Manufacturer	Date Submitted	Date Client Response due by
207	Kier M&E	08/02/16	**22/02/16**

Sample Title

External Light Fitting

Photo

DOC220 LED
134-1210
1/4

we-ef

VFL530 LED (700mA)
108-1180
1/4

we-ef

Sample description / Additional information (if any)

PROJECT NAME	Kings Cross T1 Building
PROJECT NUMBER	3077

Kier confirm that this sample complies with the Contractors Proposals of the contract dated 15th July 2014			
Name (Print)	*Signature*	*Date offered*	
Sample accepted on behalf of Argent as complying with the Contractors Proposals of the contract dated 15th July 2014			
Name (Print)	*Signature*	*Date accepted*	
Design Consultant advising Argent that the sample complies with Contractors Proposals of the contract dated 15th July 2014			
Name (Print)	*Signature*	*Company*	*Date*

Supporting Information

ER/CP/Specification Ref:

Drawing Ref – TC – fitting type DOC220[M] AL:IP66: LED-12/18W/3K (part no 134-1210.13) finished in RAL9004 Signal Black

Drawing Ref – TD – Fitting type VLF530 – 48W LED Post top Luminaire Powder Coated in RAL9004 Signal Black, mounted on 5m tapered flange mounted column painted to match light fitting.

Location / Context

External light fitting. For specific locations refer to Kier build IME drawings:

0212-KME-LA-E-01-GF-520 Ground Floor Street Lighting Layout

0212-KME-LA-E-01-01-521 Level 1 External Façade Lighting Layout

0212-KME-LA-E-01-02-522 Level 2 External Façade Lighting Layout

Additional Notes / Photos

Refer to spec attached.

END

VFL530 LED (700mA)

108-1180

Description

IP66, Class I or Class II. IK08. Marine-grade die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. UV stabilised acrylic panel in RFC® technology. Integrated heat sinks. Easy removal and replacement of LED board. CAD optimised OLC® PMMA lens for superior illumination and glare control. The luminaire is factory- sealed and does not need to be opened during the installation. Spigot D: 76 x 80 mm (optional 60 x 80 mm). Recommended mounting height 2.5-8.0 m, depending on lamp type selected.

Beam Type	rectangular, forward throw beam [R65], OLC® technology
Lamp Type	LED-24/48W/830 - 3000K
Gear Type	EC

Nominal Luminous Flux (lm)	
LED Lumens	230.4 lm
LEDs	24
Total Lumens	5530 lm
Tj	85 °C

Rated Luminous Flux (lm)	
LED Lumens	204.1 lm
Total Lumens	4899.6 lm
Ta	25 °C

Rated Input Power	58 W

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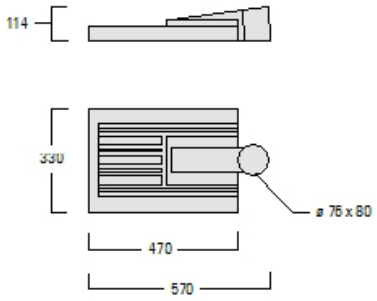
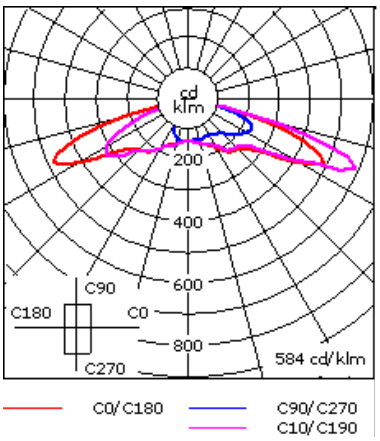
VFL530 LED (700mA)

108-1180





Material Specification

Body:	Marine-grade, die-cast aluminium alloy
Weight:	6.60
Lens:	RFC™ Reflection Free Contour main lens
Gasket:	Silicone CCG® Controlled Compression Gasket
Fasteners:	PCS hardware
Ingress protection:	IP66
Impact protection:	IK08
Corrosion protection:	5CE
Finish:	Powdercoat finish in black RAL 9004, grey aluminium RAL 9007 or white RAL 9016
Mounting:	Maximum spacing for streetlighting applications depends on wattage and light distribution: 5.5 to 9 times the mounting height
Listings:	
Windage (EPA):	

Electrical specification

Power supply:	
Power factor:	
Ballast:	Integral EC electronic converter
Termination:	
Cable:	

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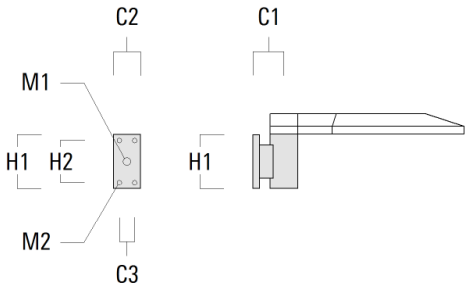
Mounting accessories

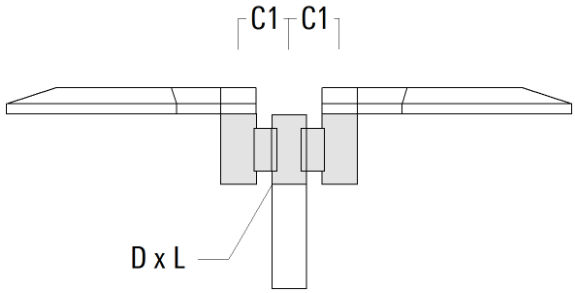
Wall and pole brackets RV

Wall and pole mounted brackets. Corrosion resistant all aluminium construction.

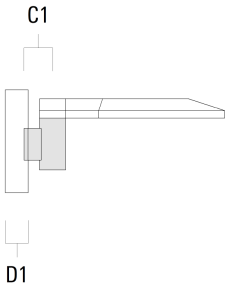
		C1	C2	C3	H1	M1	M2	Weight (kg)
108-0979	RV0 Wall bracket	108	100	60	200	38	12	2.00



		C1	D x L	Weight (kg)
108-0980	RV2-76 Pole bracket, double	147	76 x 100	4.80
108-0981	RV2-60 Pole bracket, double	147	60 x 100	4.80



		C1	D1	Weight (kg)
108-0982	RV5 Pole bracket	108	76-240	1.70



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VFL530 LED (700mA)

108-1180

Electrical accessories

Eco Step Dim® Advanced LED

A factory programmed Electronic Controller is fitted in the luminaire to reduce the luminous flux and power. The luminaires are operated in stand-alone mode, so no special supply and/or control cables are required. Up to five different dimming levels (D1-D5) may be individually and optionally specified for a maximum of five time periods (T1-T5). Set and programmed at the factory by agreement. Reprogramming on site is also possible. Contact WE-EF direct or your local WE-EF sales representative for an individual solution designed to precisely meet your needs.

430-0002 Eco Step Dim® Advanced LED

Eco Step Dim® Basic LED

A factory programmed Electronic Controller is fitted in the luminaire to reduce luminous flux and power to a preset value. Control phases such as those that are, for example, used in networks using luminaires with two conventional lamps is required to activate the switch. One step dimming only is available. As standard, lumen output is reduced to 50 per cent. Intermediate values (e.g., 25 per cent) may also be optionally realised by agreement. Contact WE-EF direct or your local WE-EF sales representative for an individual solution designed to precisely meet your needs.

430-0001 Eco Step Dim® Basic LED

Eco Step Dim® Dynamic LED

A complete lighting management system. Programming is done via a control system, which includes dimmable Electronic Control gear, LON Power Line interface and Data Controller (Optional). Remote centralised management. System permits bi-directional communication. Optional components are available for the installation of the system and are available on request. Contact WE-EF direct or your local WE-EF sales representative for an individual solution designed to precisely meet your needs.

430-0003 Eco Step Dim® Dynamic LED

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DOC220 LED

134-1210

Description

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Silicone rubber gasket. Safety glass lens, frame with safety catch. Two cable entries. Factory installed circuit board with High Efficiency LEDs. PMMA-LED lens array. A pre-installation blockout, proud or flush, is available and recommended for mounting in concrete ceilings.

Beam Type	symmetric, medium beam
Lamp Type	LED-12/24W/830 - 3000K
Gear Type	EC

Nominal Luminous Flux (lm)	
LED Lumens	177.3 lm
LEDs	12
Total Lumens	2128 lm
Tj	85 °C

Rated Luminous Flux (lm)	
LED Lumens	155 lm
Total Lumens	1859.9 lm
Ta	25 °C

Rated Input Power	30 W

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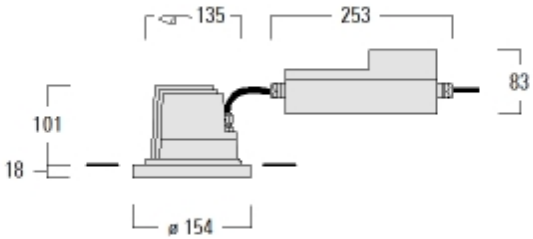
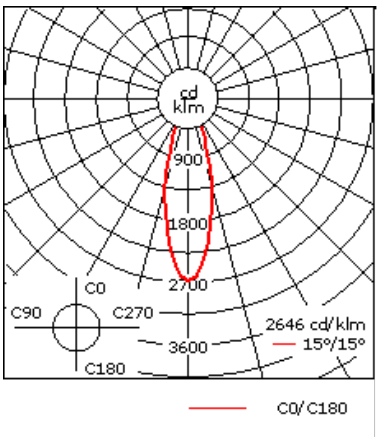
DOC220 LED

134-1210





Material Specification

Body:	Marine-grade, die-cast aluminium alloy
Weight:	2.10
Lens:	Safety glass lens, hinged
Gasket:	Silicone rubber gasket
Fasteners:	PCS hardware
Ingress protection:	IP66
Impact protection:	IK07
Corrosion protection:	5CE
Finish:	Powdercoat finish in black RAL 9004, grey aluminium RAL 9007 or white RAL 9016
Mounting:	Pre-installation blockout is recommended for mounting in cast concrete ceilings, available on request.
Listings:	
Windage (EPA):	

Electrical specification

Power supply:	
Power factor:	
Ballast:	Integral EC electronic converter in thermally-separated compartment
Termination:	
Cable:	Two cable entries

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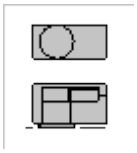
Mounting accessories

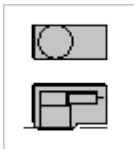
Installation blockout, flush



The installation of recessed wall and ceiling luminaires is often problematic due to rough site conditions during masonry works. WE-EF has developed this unique range of installation blockouts, to be integrated in concrete structures during the initial phase of construction. Later, after the site has been cleared of mortar, sand and debris, the electrician can unpack the luminaire for a fast, easy and cost saving installation. Type II: Luminaire faceplate remains flush of wall or ceiling surface. Made from die-cast aluminium alloy and rugged MDPE (Polyethylene).

134-1161 Installation blockout BDO22-II

Installation blockout, proud



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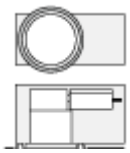
134-0797 Installation blockout BDO22-I

Installation blockout, flush, with shadow line



The installation of recessed wall and ceiling luminaires is often problematic due to rough site conditions during masonry works. WE-EF has developed this unique range of installation blockouts, to be integrated in concrete structures during the initial phase of construction. Later, after the site has been cleared of mortar, sand and debris, the electrician can unpack the luminaire for a fast, easy and cost saving installation. Type III: Luminaire faceplate remains flush of wall or ceiling surface with shadow line. Made from die-cast aluminium alloy and rugged MDPE (Polyethylene).

134-1497 Installation blockout BDO22-III

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DOC220 LED

134-1210

Optical accessories

Flood lens

Broadens light distribution in all planes.

134-1440 Flood lens IO-360 ideally suitable for [EE] [EES]

Honeycomb Louvre

Honeycomb louvre, matt black Teflon® coated. For luminaires equipped with [M] [EE] [EES] light distribution.

134-1444 Honeycomb Louvre

Linear spread lens

Broadens light distribution in one plane only. Internal component, factory installed.

134-1381 Linear spread lens IO-180 ideally suitable for [EE] [EES]

Wallwash lens IO-20

Specifically developed for WE-EF [M] symmetric medium beam LED optics. Luminaires fitted with this accessory are typically positioned at 0.125 x h away from the target surface and spaced up to 1.75 x d apart: h = height of wall/target surface d = 0.125 x h = distance from the wall/target surface s = 1.75 x d = spacing between luminaires

134-1491 Wallwash lens IO-20°

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