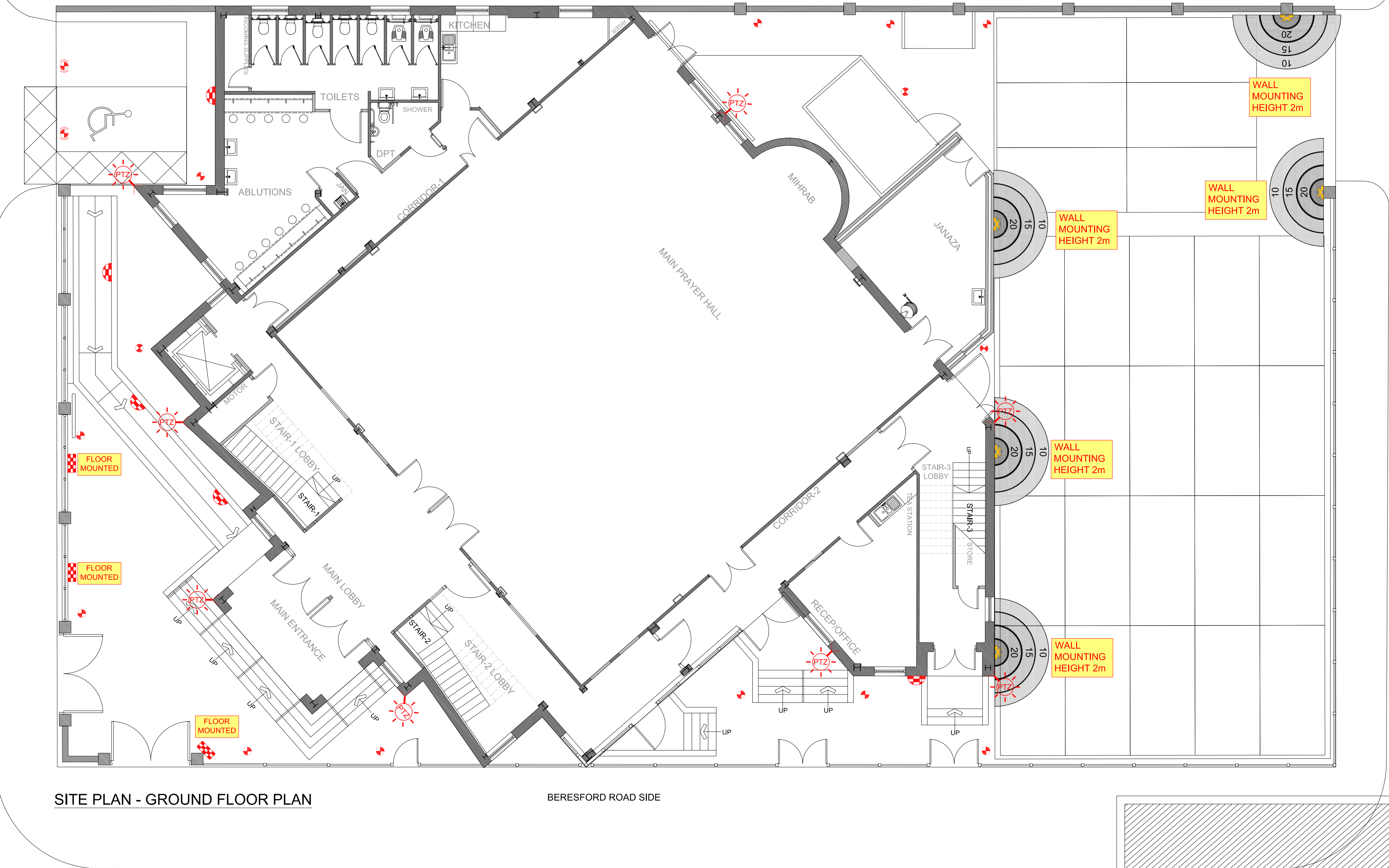




EXTERNAL LIGHT FITTINGS BY ABACUS (ALL LED)			
NAME & TYPE	REF.	WATTAGE	MOUNTING & HEIGHT
QUARTZ BOLLARD (SYMMETRICAL)	AL9001	25.6w	GROUND 0.9 m
QUARTZ BOLLARD (ASYMMETRICAL)	AL9002	25.6w	GROUND 0.9 m
QUARTZ BOLLARD (AXIAL)	AL9003	25.6w	GROUND 0.9 m
REVATI BULKHEAD	AL 60601	20w	WALL 2.0 m
VETTA BULKHEAD	AL 22003	0w	WALL 2.0 m
VETTA BULKHEAD	AL 22004	20w	WALL MOUNTING HEIGHT 2m
ORIS COLUMN	AL 9712	40.2w	GROUND 0.9 m

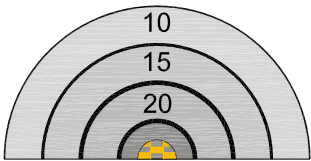


ABACUS VETTA AL 22003 & AL 22004 BULKHEAD



ABACUS AL9000 BOLLARD

WALL LIGHTS & BOLLARDS AROUND THE BUILDING & THE CAR PARK



ABACUS WALL LIGHT AL 22003 ISOLUX

EXTERNAL LIGHTING KEY (ALL LED)	
	COLUMN MOUNTED LED
	GROUND (OR COLUMN) MOUNTED
	WALL (OR FLOOR) MOUNTED
	LED BOLLARD
	LED RISING BOLLARD (FOB OPERATED)
	WALL MOUNTED
	CEILING MOUNTED
	CCTV CAMERAS (PTZ)
	CCTV

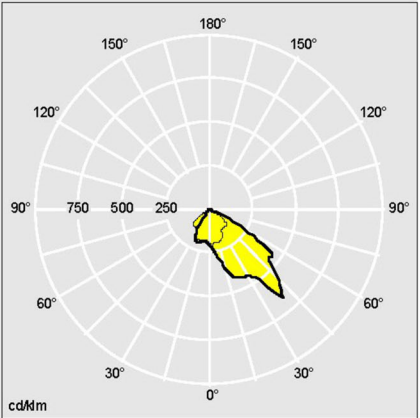
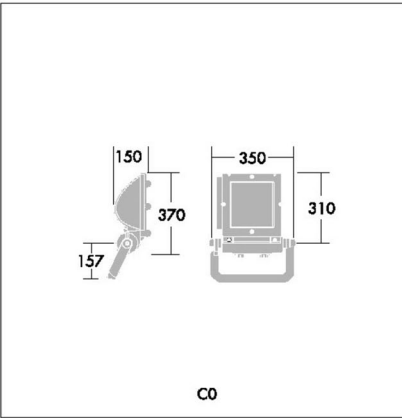
Contrast C

A cylindro-parabolic floodlight in three sizes with asymmetrical or symmetrical reflector, refractors and attachments

- Neat appearance retained across range, with integral gear for lamps from 35W to 400W
- Wide selection of attachments, which can be used in combination, allows for a variety of beam distributions. Refractors can be rotated to give alignment of the beam profile to suit the application
- Hinged frame for easy access to light source. Lamp replacement possible without disturbing aiming angle or removing attachments
- Stirrup mount allows base support or suspension with aiming simplified by indicator with facility to lock memory position. Other brackets available to offer mounting on vertical surfaces and retain full adjustment in both planes



Photographs, line drawings and photometric data are representative only. For specific product detail please select an individual product.



Material/Finish
Body: die-cast aluminium, textured grey powder coated finish (close to RAL 9007). Alternative RAL colours on request.
Front lenses: 4mm toughened glass.
Attachment retaining screws: nickel plated brass.
Reflector: specular (HIT) or satin (HST) anodised aluminium.

Installation/Mounting
Floodlight is fully adjustable on a short stirrup. Stirrup fixed to mount by central bolt Ø22mm, and 2 x Ø15mm holes at 100mm either side of centre. Aiming simplified by indicator on stirrup, locked via central Ø8mm Allen screw. Easy access to lamp via two Allen screws. Lamp replacement possible without removing attachments. Control gear compartment, with rear access panel, fixed below body. Entry via two Allen screws. Cable gland for Ø7.5-13mm cable. Additional knock out provided for through wiring. Attachments & Ground Recessing Boxes available.

Specification
To specify state:
Asymmetrical distribution floodlight to accommodate 35W to 400W lamps, IP65 protected, integral gear, and optional control attachments.
As Thorn Contrast C

FLOODLIGHT TO MINARET

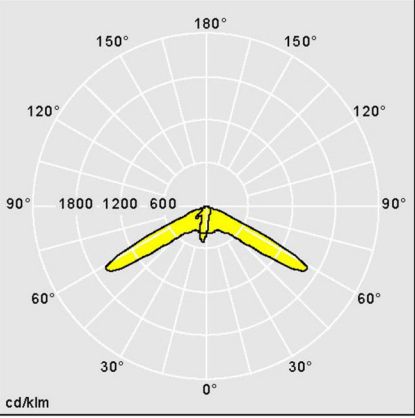
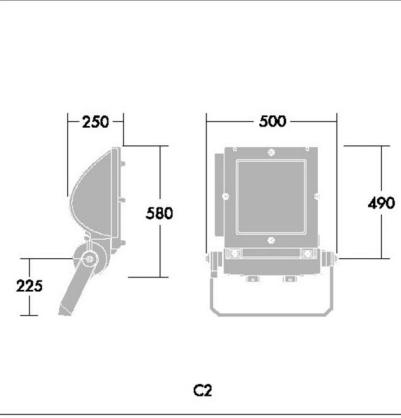
Contrast C Wide Angle

Floodlight based on Contrast C size 2, with an optical system to give extra wide distribution, for façade illumination

- Optic adapted to give extra wide angle beam for façade lighting
- Optic design allows wide coverage of façade from close off-set positions
- High uniformity



Photographs, line drawings and photometric data are representative only. For specific product detail please select an individual product.

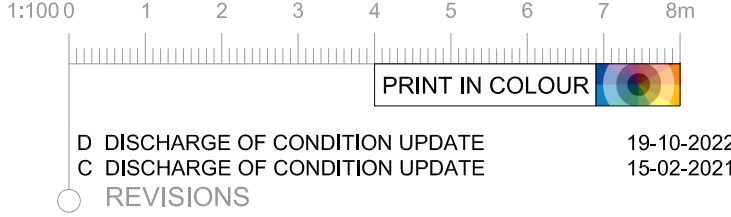
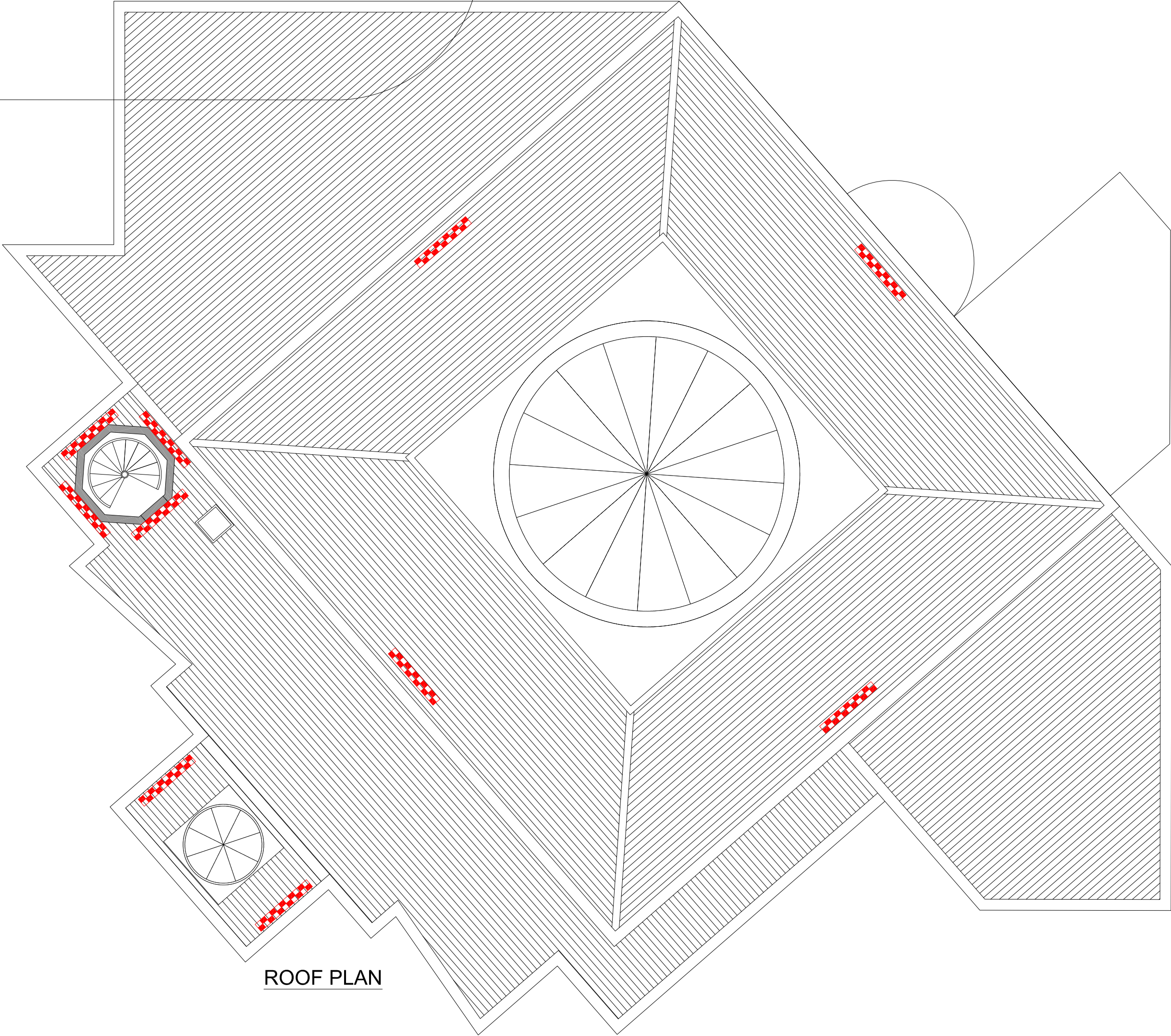


Material/Finish
Body: die cast aluminium, textured grey powder coated finish (close to RAL 9007). Alternative RAL colours on request.
Front lenses: 4mm toughened glass.
Attachment retaining screws: nickel plated brass.
Reflector: specular (HIT) or satin (HST) anodised aluminium.

Installation/Mounting
Floodlight is fully adjustable on a short stirrup. Stirrup fixed to mount by central Ø22mm bolt hole and 2 x Ø15mm at 100mm either side of centre. Aiming simplified by indicator on stirrup, locked via central Ø8mm Allen screw. Easy access to lamp via two Allen screws. Lamp replacement possible without removing attachments. Control gear compartment, with rear access panel, fixed below body. Entry via two Allen screws. Cable gland for Ø7.5-13mm cable. Additional knock out provided for through wiring.

Specification
To specify state:
Asymmetrical floodlight with optic to give extra wide distribution, IP65 protected, 150W integral gear, and optional control attachments.
As Thorn Contrast C Wide Angle.

FLOODLIGHT TO FACADE AND/OR DOME



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CLIENT	MAKKI MASJID TRUST
PROJECT NAME	THE NEW MAKKI MASJID 125 BERESFORD ROAD MANCHESTER M13 0TA
DRAWING TITLE	SITE PLAN EXTERNAL LIGHTING & CCTV
DRAWN / CHECK	AS/GWC
DATE	DEC 2019
PROJECT	218-185
DRAWING No.	E07
SCALE	1:100 @ A1
REV.	D

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