Centrepoint Lighting

The scheme augments the external lighting provision to the building in an architecturally sensitive fashion with the purpose of providing increased security and comfort for users of Centrepoint. Specific elements include the following:

Piazza to building:

1. Extension and improvement of handrail lighting
2. New lighting to highlight concrete fountain structures within the piazza pool
3. Accent lighting to stainless steel canopy to strengthen and illuminate the main entrance to the building.
4. Accent lighting to illuminate trees within planters

Rear entrance to building:

5. New lighting scheme for the rear high level covered walkway.

Car Park Entrance:

6. Revised lighting to entrance ramp to basement car park.

Piazza to building.

Illumination is provided by a combination of handrail downlighting around the pool, uplighting in the paving and at column bases and projector lights within the reception foyer directed through the glass to augment external provision. Existing lighting levels are generally very poor with extreme levels of glare resulting from the projector sources.

Uplighters to the forecourt are currently defective and to be removed.

The existing illuminated hand rail incorporates a simple fluorescent light source projecting onto the pool wall. This has limited effect in lighting the paved area. It is proposed to provide a new and extended illuminated handrail. This will serve two purposes:

1. Project light across the paved area to significantly increase levels of illumnination.
2. By extending the handrail across the closed end of the forecourt the lighting will act as a wayfinding device at night to deter members of public crossing the paved area whilst trying to access the underground.

Clusters of new submersible lighting units for the pool are to be provided. The luminaires are a fully encapsulated module and will be cast into blocks of concrete to secure the units on the base of the pool. A random pattern will be adopted for these fittings in order to avoid a formulaic lighting solution. The lighting in intended to create

a sparkle and shimmer of light balancing the severe contrast created by the high levels of ambient light surrounding Centrepoint.

The existing planters appear as black silhouettes at night and exacerbate the gloomy sensation caused by the low levels of lighting. New accent lighting is to be provided by powerful narrow angle point sources.

Currently the entrance canopy has poor levels of illumination. Lighting is provided by projwector fittings within the foyer space. The powerful projector fittings cast significant shadows around the entrance area only serving to confuse visitors to the building. It is extremely unclear for visitors who do not know the building where the main entrance is. Therefore a new lighting box is to be incorporated into the entrance canopy primary support structure. This will provide pools of light around the revolving door and also spill light across the underside of the glass canopy roof. The spill light will give the glass canopy a halo effect making the entrance visually very strong during lighting hours. Existing internal projector lights within the foyer space are to be repositioned to light the internal spaces thereby preventing glare.

Finally a linear continuous LED luminaire strip is to be installed at high level below the projecting podium. A white colour spectrum has been adopted in order to contrast with the strong blue lighting within the podium whilst providing a cool colour temperature that will not clash with the existing lighting provision.

Rear entrance to building

The secondary reception has very poor lighting provision. Existing fluorescent batten luminaires are to be removed and replaced with new compact cast luminaires fixed to the soffit and at the head of the ziggurat columns. The combination of the new fittings will provide a high level of lighting at pavement level and soften the gloomy dead appearance of the concrete soffit above. Accent lighting around the columns will isolate and strengthen the visual presence of key architectural features. In order to highlight the rear entrance a bespoke LED strip luminaire is to be fitted in the groove to the underside of the staircase.

Rear Car Park Entrance

Illumination to the car park entrance comprises a series of sodium fittings located above the ramp.It is proposed to replace the fittings with compact fluorescent sources with a colour temperature of around 3500 Kelvin. This will create a strong contrast between the surrounding street lighting and the car park entrance. The white colour temperature is visually less harsh whilst serving as a wayfinding device for visitors and users of the car park.

Centre Point House, Listed Building Consent - Lighting Changes

Centre Point Tower 103 New Oxford Street

		Features to be Removed / Altered / Added	Justification	Proposed Replacement	Forman Roberts Lighting Reference
Improved Piazza Lighting Tottenham Court Road	1	Existing Pavement lighting to be removed	non operational lighting to be removed - defective installation.	Superseded by new lighting improvements	-
	2	Existing Pool Handrail to be removed	To assist forecourt lighting improvements	Bespoke extruded aluminium handrail including dual source lighting.	L1
	3	New Handrail Extension	Used to deter members of the public tempting to access underground entrance via forecourt	as above.	L1
	4	Remove Existing Pool lighting	Inoperative obsolete lighting to concrete fountains within pool	Submersible accent lighting arranged in a random pattern to illuminate fountains at night.	L2
	5	New Forecourt Planter lighting	No current provision	New lighting to illuminate trees during night time hours - Improved way finding.	L3
	6	Existing Column lighting to be removed	Existing LED lighting not operational	New Metal halide narrow angle spot fittings to accentuate columns at night.	L5
	7	Existing High level podium lighting to be removed	Current fittings provide inconstant patchy illumination	Continuous white LED lighting to remove deep shadows cast during night time.	L11
	8	Existing Internal projector fittings by main entrance to be redirected.	Ceiling mounted fittings currently project through glazed walls onto freestanding entrance canopy creating extreme levels of glare for building visitors	Existing fitting to be redirected to provide internal illumination. Freestanding glazed canopy to have new stainless steel light box installed to provide soft illumination to underside with point source lighting by revolving door. Improved way finding for building visitors.	L4
Rear Entrance Lighting	9	Existing Soffit lighting to underside of bridge link	Poor lighting creating dark and intimidating environment with no way finding effect.	New metal halide soffit mounted downlights to provide consistent lighting to paved pedestrian areas with additional accent lighting to illuminate ziggurat columns	L7 / L5
	10	Pavement Lighting	Inoperative obsolete lighting	New Metal halide narrow angle spot fittings to accentuate columns at night with flourescent strip lighting to column head.	L5 / L12
	11	New Staff Entrance Ligting to recess in underside in podium staircase.	No provision.	New bespoke LED way finding source positioned within groove to underside of concrete staircase structure to clearly delineate rear staff entrance.	L10
Centre Point House Basement Car Park Entrance, Earnshaw Street	12	Remove Existing soffit mounted fittings	Current fittings provide poor illumination and colour contrast	Like for like replacement of sodium fittings with new metal halide fitting providing white light to car park entrance.	L7