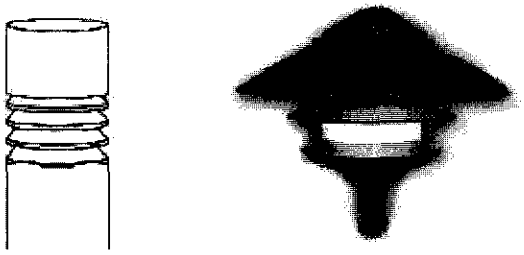
ACCEPTABLE

Only With Proper Bulb(s)

UNACCEPTABLE

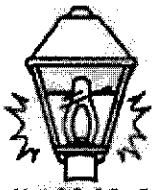
WALKWAY/PATH LIGHTING



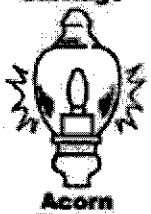
Low Profile Bollards with Louvers

Globe Fixture

Wallpack

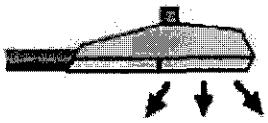


Unshielded Carriage



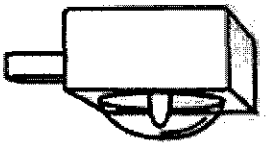
Acorn Fixture

STREET/PARKING LIGHTING



Full Cutoff Streetlight

Fully Shielded NEMA Light



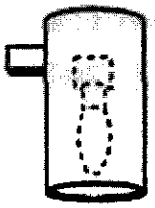
Drop-Lens/Sag-Lens w/ exposed bulb

Unshielded Streetlight

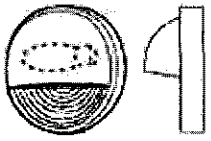
ARCHITECTURAL LIGHTING

Recessed Can w/ baffles

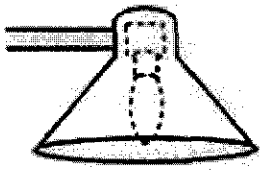
Glare Buster



Canister Downlight



'Eyelid' Step Light

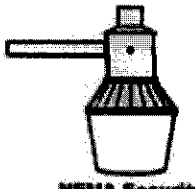


Downlight

Louvered Step Light

Nautical Wall Sconce

Floodlight



NEMA Security Light

Partially Shielded Floodlight

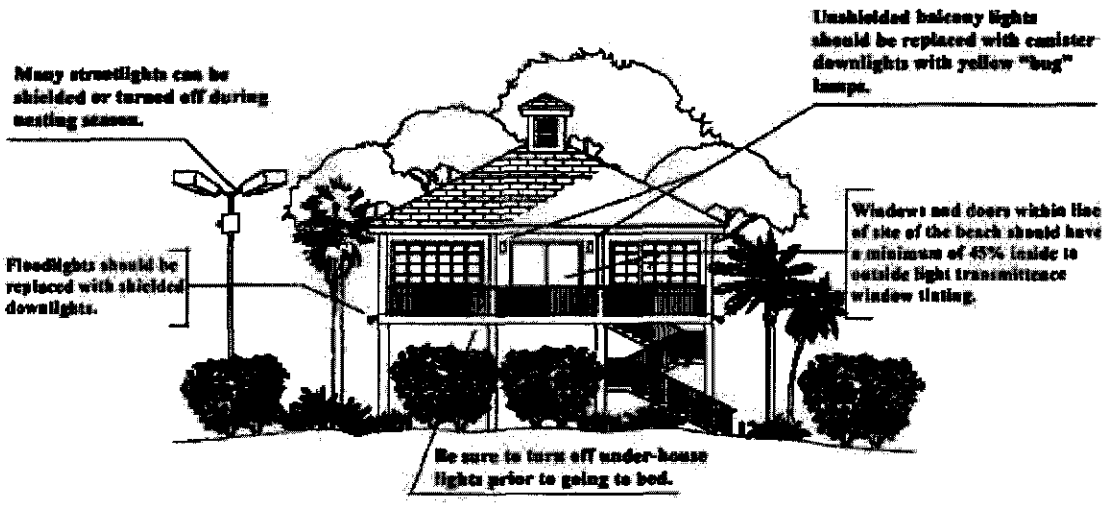
Shielded Security Light

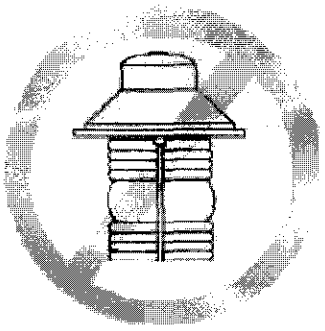
Drop-Lens Canopy Light

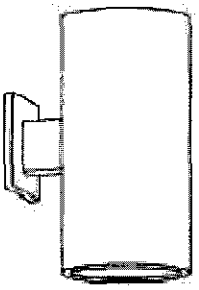
EXAMPLE

Lighting Packet #1

See submittal checklist for complete requirements.

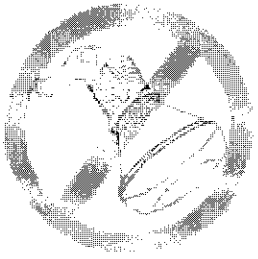


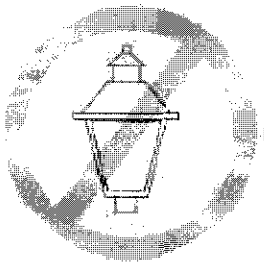


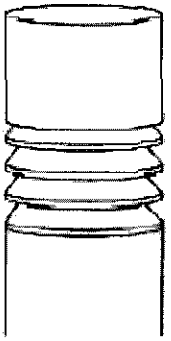


"Jelly-Jar" Balcony Lights

Canister Downlights



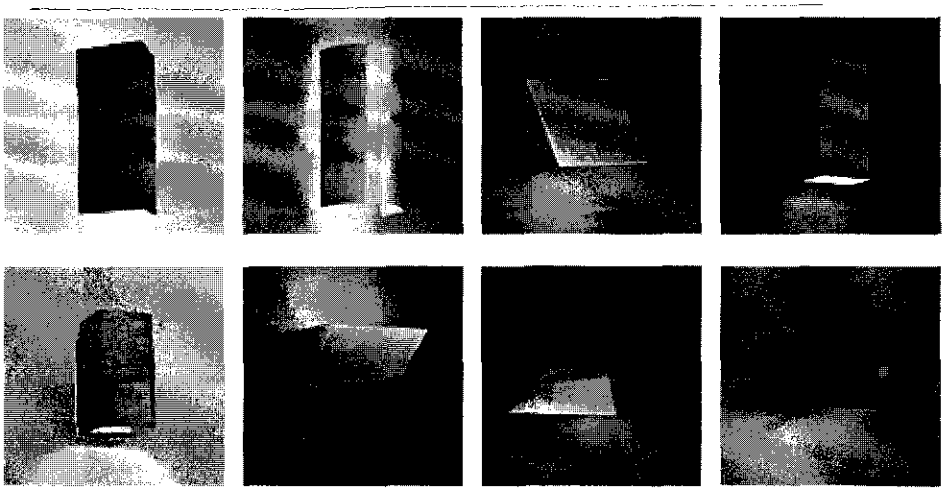




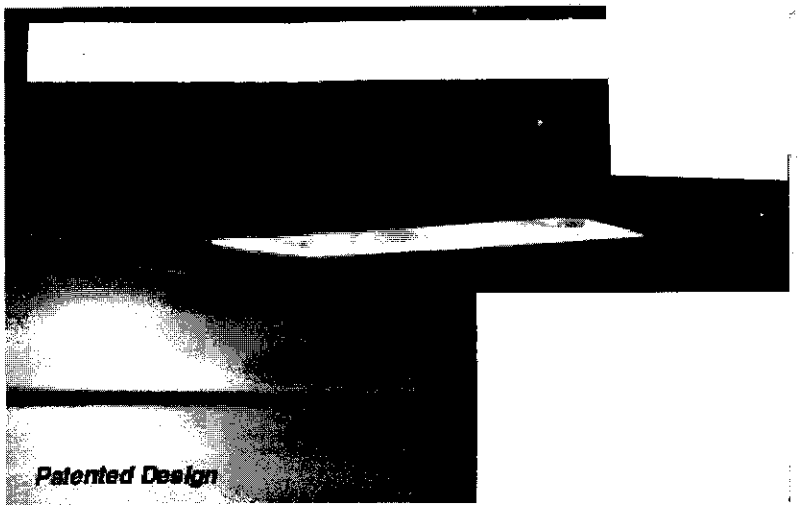
Floodlights

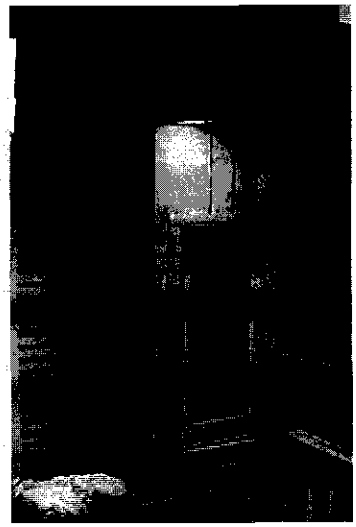
Carriage Lamps

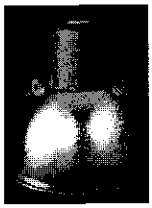
Bollard Fixture

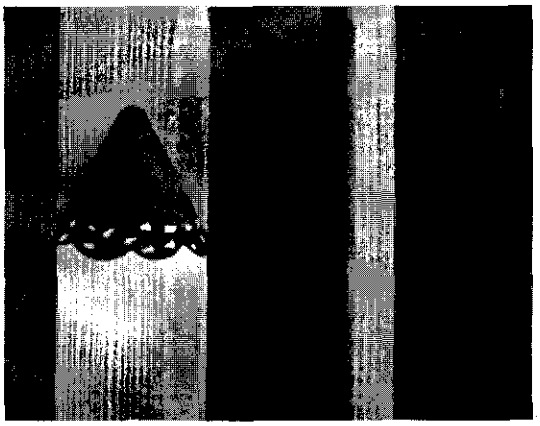


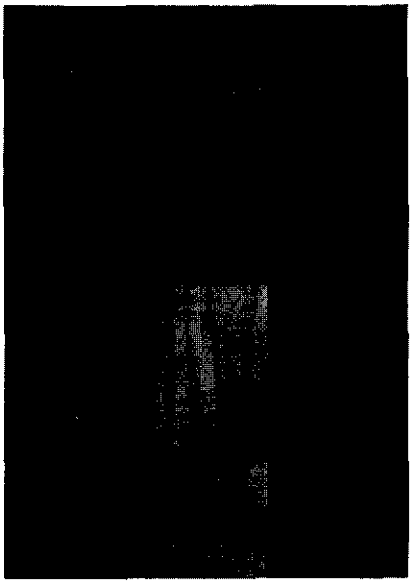
Examples of Shielded Fixtures

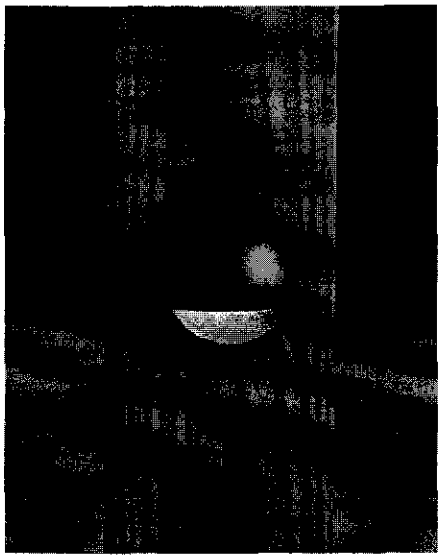


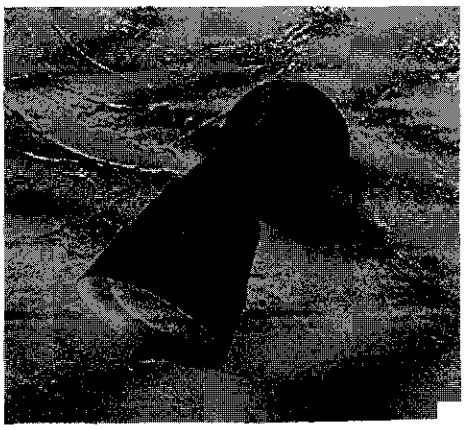


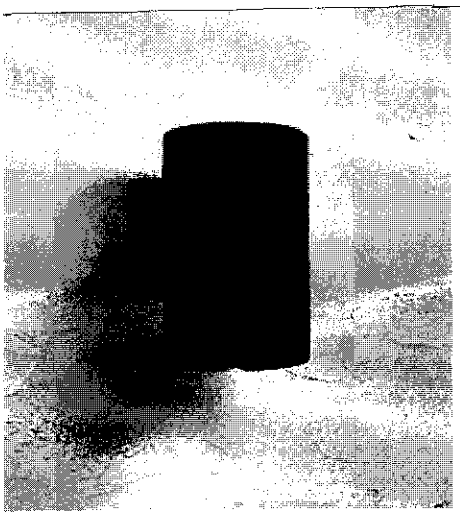


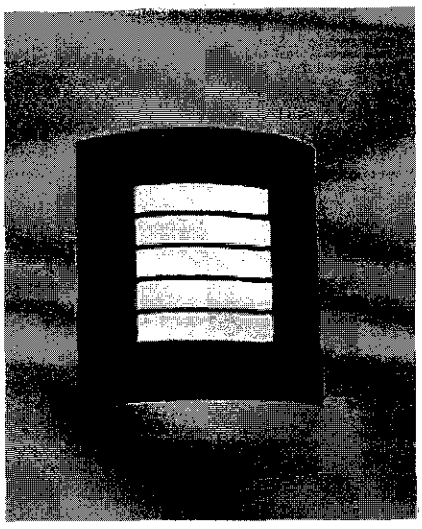


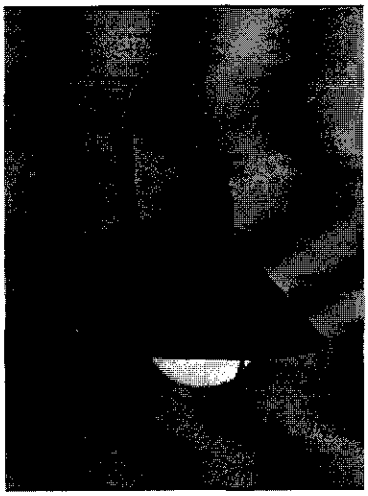


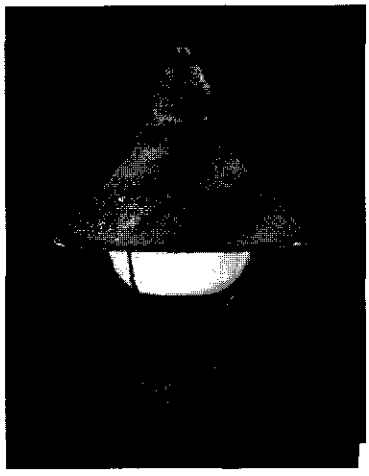


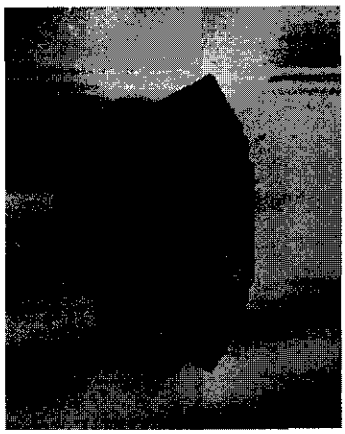




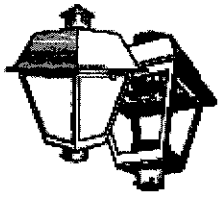




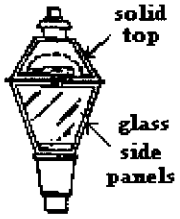




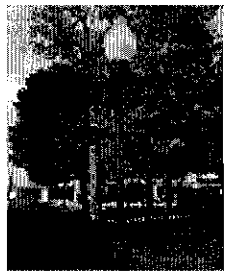
Examples of Good and Bad Lighting Fixtures



GOOD Even post-top ornamental fixtures, like this from can be cutoff with clear panels and lamp/reflector located above.



GOOD The another ornamental , also has clear panels and bulb located above for maximum glare and spill light control.



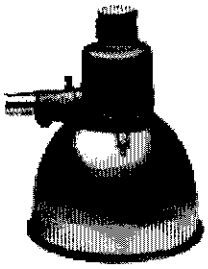
BAD Non-cutoff fixtures like this "acorn" ornamental cause light pollution.

GOOD Flat-lens cobra head fixtures, like this

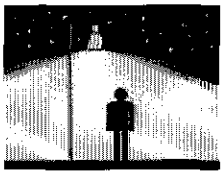
luminaire, provide excellent roadway lighting with greatly reduced glare and no uplight.

GOOD This new generation of flat-lens cobra head fixture from , call the provides superior lighting uniformity at standard mounting heights and spacings.

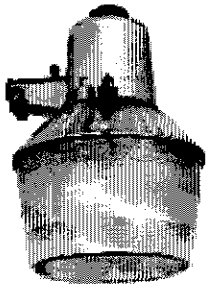
BAD The ubiquitous drop-lens cobra head luminaire produces a level of glare and uplight that is both unacceptable and unnecessary.



GOOD Many existing dusk-to-dawn security lights and residential streetlights can be retrofitted



GOOD The turns any standard Barn Light into a full-cutoff light with wide area coverage.

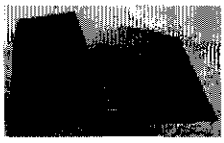


BAD Barn Light style fixtures are very inefficient, sending about 20% of the light upward and another 20% horizontally outward, creating glare.

GOOD Flat-lens shoebox fixtures come in many forms; square, rectangular, circular, etc. All control the light with internal reflectors. Glare and light trespass are minimized; no uplight is produced.

GOOD Post-top flat-lens shoebox fixtures like this one provide good area illumination without light pollution.

BAD (sometimes) The telltale sag lens gives this luminaire away as a possible problem. If the lens is clear and very shallow, and the bulb wattage is not too high, this type of light can cover a wider area without too much glare or uplight, but beware!



GOOD Full-cutoff wall packs

make excellent entryway and building perimeter lights, and there

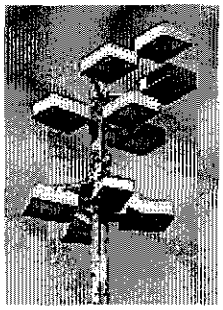
GOOD Recessed canister lights built into the eaves or canopy of a house, garage, or other building

BAD Wall packs like this should never be used. They

is enough forward throw that adequate lighting is provided for near-building parking.

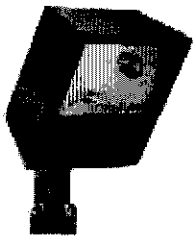
GOOD If floodlights must be used, they should always have top and side shielding, and be pointed at least 45 ° below the horizontal.

is the first choice for lighting building exteriors.



GOOD Even sports lighting can be done well, if one uses cutoff light fixtures such as these.

produce enormous glare and uplight.



BAD Unshielded floodlights provide a trashy "prison yard" look and should not be used.