



# ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375 Fax: (07) 3716 0222

Website: www.edg.net.au Email: brisbane@edg.net.au

**PROJECT NAME**

**PROJECT NUMBER**

**LIGHTING COMMISSIONING CHECKLIST**

**REVISION - DATE**

System name:		Area / stage:	
Installation company name:			
Address:		Phone number:	
Contact name:		Phone number:	
Task / Stage	Person responsible	Signature	Tick
Critical offset distances of luminaries or structures have been achieved			
Electrical installation meets recommendations of AS 3000			
Numbering of cables in distribution boxes is to drawing			
Numbering of distribution boxes is to drawing			
Grouping of luminaries is to drawing			
Groups of luminaries are assigned to the correct position in grid switch or grid single circuit dimmer			
emergency lighting complies with recommendations of AS 2293			
Luminaries and remote control gear are of the correct make and type			
Fixed luminaries have been installed at the correct orientation			
fluorescent lamps have the correct phosphor			
Spot lamps are of the correct make, beam angle and rating			
discharge lamps have the correct correlated colour temperature (CCT)			
All lamps are the correct wattage and voltage ratings			
Recessed adjustable luminaries are aimed correctly			
Surface removable luminaries have been installed on tracks and trusses			
Surface removable luminaries have been aimed/focused on tracks and trusses			
Focus notes have been drawn up to allow for re-aiming after maintenance			

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Exterior Floodlights have been aimed to drawing and according to terms of planning permission (particularly relevant for sports installations)			
Mains voltage, line and lamp currents have been checked at the control gear on exterior floodlighting schemes, particularly for sports			
Permanent colour filters have been installed			
Horizontal illuminance on horizontal task(s) is at specified level			
Vertical illuminance on vertical task(s) is at specified level			
Horizontal illuminance over area(s) is at specified level			
Vertical illuminance on walls is at specified level			
Ratios of illuminances are at specified amounts			
Interior luminances are at specified levels			
Disability glare is at or below specified level(s) at a specified point(s) in a specified direction(s)			
Threshold increment, uniformity spacing and luminance of a street lighting scheme complies with recommendations of AS 1153			
Time switches have been installed and are working			
Time switches have had their operating times chosen			
Time switches have been programmed properly with the chosen times			
Photocell systems operate according to design intent			
Illuminance trigger levels have been chosen (on adjustable photocell systems)			
Illuminance trigger levels have been set (on adjustable photocell systems)			
PIR detector systems are installed and working correctly			
PIR detector systems are programmed and operate correctly			
FM radio switches have been configured to the relevant receivers			
Control signal cables have been wired between dimming fluorescent ballasts, without cross-over, allowing all ballasts to dim when DC voltage is applied			

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System producing control signal output voltages is working			
Lighting levels associated with control signal voltages have been chosen			
Lighting levels associated with control signal voltages have been programmed			
Preset rack control system has data cables installed between plates and racks but not terminated			
Preset rack control plates fitted and data cables terminated			
Preset rack control system: main 'dimmer rack' mounted to wall mains cabling marked and terminated but data cables not terminated			
Preset rack control system: data cables terminated in dimmer rack			
Preset rack control system: control cables installed between luminaries and control devices but not terminated			
Preset rack control system: control cables in luminaries and control devices terminated			
Preset rack control system: setting of states, times and levels chosen			
Preset rack control system: setting of states, times and levels programmed			
Ethernet and digital multiplex (DMX) systems: termination resistors have been fitted where necessary and screened cables have been used			
Timed show control system is working			
Timed show control system has a programmer			
Timed show control system designer has instructed programmer			
Timed show control system program has either been written up on paper or backed up in software format			
BMS is working			
BMS Lighting levels and switching times have been chosen			
BMS Lighting levels and switching times have been programmed in			
Combined BMS and preset rack control systems work together properly			
BMS or other control systems are understood by building staff and have been written up			
Installer: Witnessed by: <span style="float: right;">Position: Designer</span> Company: <span style="float: right;">Date:</span> Witnessed by: <span style="float: right;">Position: Commissioning engineer</span>			

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Company:

Date:

NOTES:

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