

DRAWING NO SHEET MODEL NAME ISSUE
SPL8795 1 OF 4 ASS8794 3

MARL 65W LED FLOODLIGHT

ISSUE	MODIFICATION	DRN	DATE
1	ORIGINAL ISSUE	RW	01/10/10
2	106/10	DT	13/10/10
3	116/10	RW	10/11/10

OVERVIEW

THE MARL HIGH POWER FLOOD LIGHT COMBINES THE LATEST OSRAM GOLDEN DRAGON LEDS WITH HIGH-EFFICIENCY OPTICS, PSU AND OPTIMISED THERMAL DESIGN TO ACHIEVE A TOTAL LUMEN OUTPUT OF UP TO 4,000 LUMENS MAKING IT THE IDEAL ANSWER TO LOW ENERGY FLOOD LIGHTING SOLUTIONS. SPECIAL CARE HAS BEEN TAKEN TO PROVIDE A UNIFORM ILLUMINATION USING OPTICAL GRADE PMMA LENSES. THE ROBUST HOUSING IS POWDER COATED TO PROVIDE LONG TERM ENVIRONMENTAL PROTECTION AND IS IP SEALED TO IP66. THE FLOODLIGHT HAS BEEN DESIGNED FOR SIMPLE INSTALLATION WITH ADJUSTABLE MOUNTING BRACKET AND PRE-TERMINATED WITH SY/SWA HEAVY DUTY CABLE.

SPECIFICATION

VOLTAGE: 110-240VAC
 FREQUENCY: 50/60HZ
 INPUT POWER: 65W
 POWER FACTOR: 0.97
 INRUSH CURRENT: 600mA
 LIGHT OUTPUT: ~4,000 LUMENS
 LUMEN MAINTENANCE: 60,000 HRS TO L70
 MEDIUM VIEWING ANGLE: 30°
 WIDE VIEWING ANGLE: 50°
 IP RATING: IP66
 GLASS: 5MM TEMPERED
 HOUSING: DIE-CAST ALUMINIUM POWDER COATED
 WEIGHT: 7.3KG
 SY CABLE: FLEXIBLE CONTROL CABLE WITH GALVANISED STEEL WIRE BRAIDING
 SWA CABLE: STEEL WIRE ARMoured
 CABLE LENGTH: 1.5M
 DIMENSIONS: SEE SHEET 2 OF 4
 ILLUMINANCE LEVELS: SEE SHEET 3 OF 4
 PHOTOMETRIC EXAMPLES: SEE SHEET 4 OF 4



Marl International Limited
 Marl Business Park
 Ulverston
 Cumbria
 LA12 9BN
 t: +44 (0) 1229 582430
 f: +44 (0) 1229 585155
 e: sales@marl.co.uk
 w: www.marl.co.uk

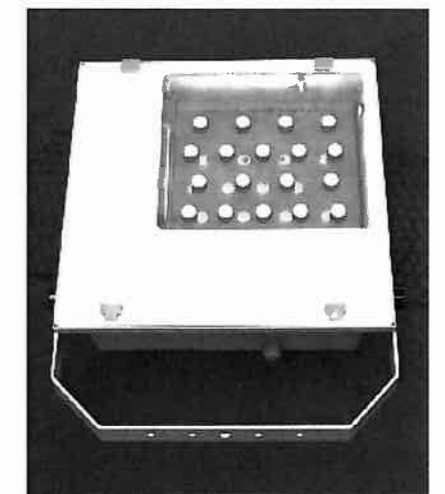
FEATURES

- HIGH EFFICIENCY COMPONENTS USED FOR MAXIMUM ENERGY SAVING.
- LONG LIFE AND RELIABILITY ELIMINATE MAINTAINANCE PERIOD FOR 60,000HRS (13 YRS @12 HRS PER DAY).
- DURABLE POWDER COATED IP66 HOUSING WITH TEMPERED GLASS.
- UP TO 20 TIMES LONGER LIFE THAN EQUIVALENT METAL HALIDE FLOOD LAMP.

PART NO.	COLOUR	CABLE TYPE	VIEWING ANGLE
747-980-76-50	BLACK	SY	MEDIUM
747-980-76-51	BLACK	SY	WIDE
747-980-76-52	BLACK	SWA	MEDIUM
747-980-76-53	BLACK	SWA	WIDE
747-980-76-54	GREY	SY	MEDIUM
747-980-76-55	GREY	SY	WIDE
747-980-76-56	GREY	SWA	MEDIUM
747-980-76-57	GREY	SWA	WIDE

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TOLERANCE/ SCALE UOS		DRN: RW
LINEAR ±0.1		DATE: 01/10/10
ANGULAR ±1°		CHK1: <i>amyl</i>
ORIGINAL SCALE 1:1	ALL DIMENSIONS IN MM	CHK2: <i>Tolove</i>

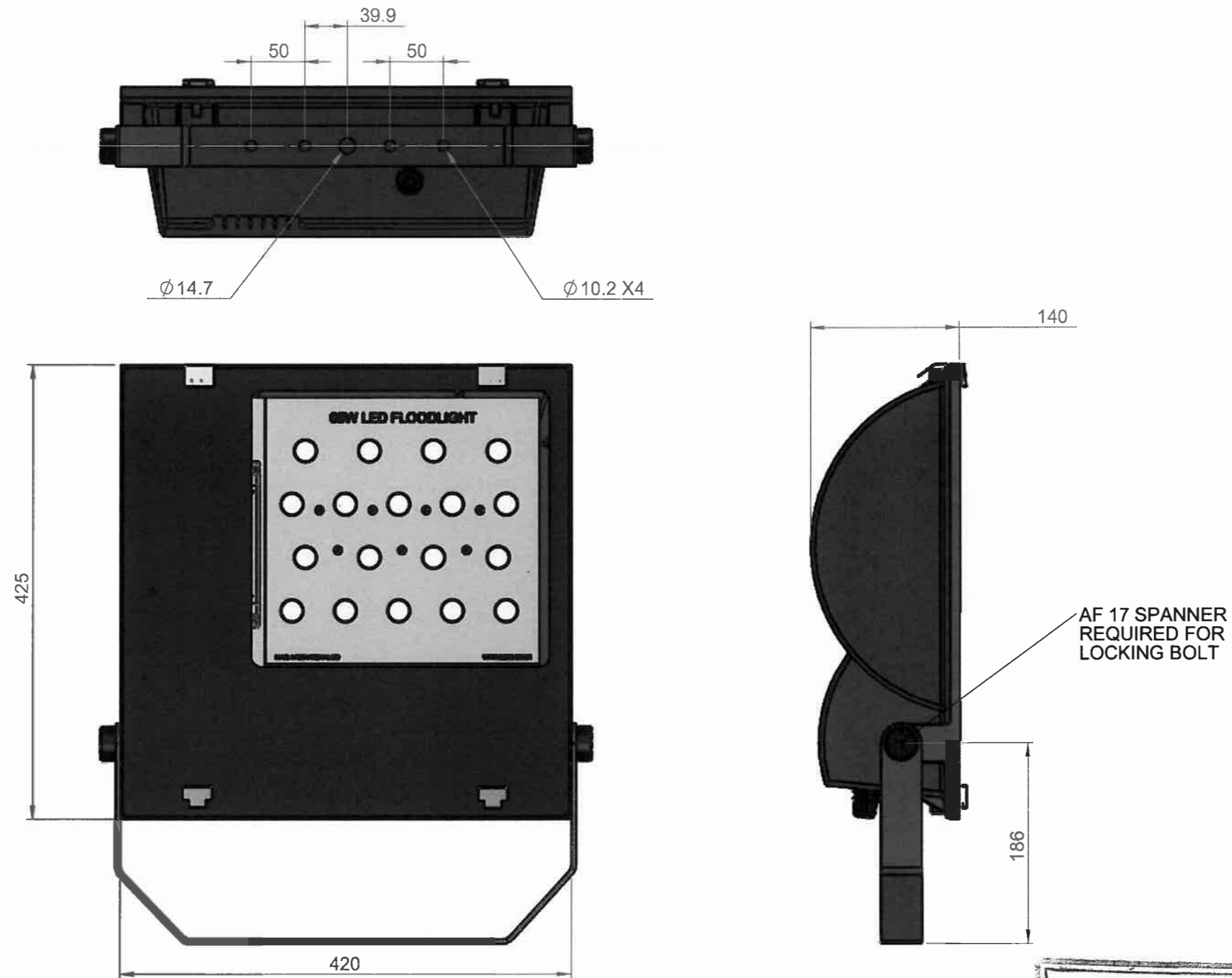


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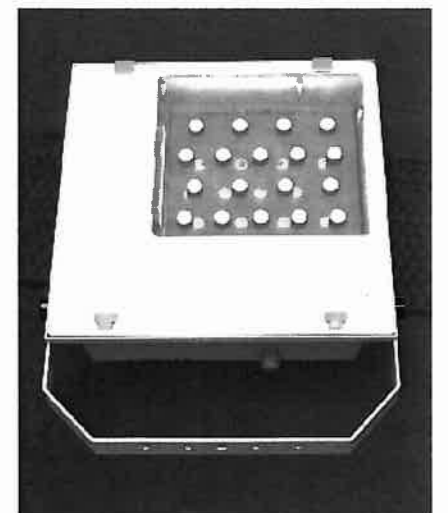
HOUSING DIMENSIONS



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f: +44 (0) 1229 585155
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TOLERANCE/ SCALE UOS		DRN: RW
LINEAR	±0.1	DATE: 01/10/10
ANGULAR	±1°	CHK1: <i>Chyler</i>
ORIGINAL SCALE	1:5	CHK2: <i>T.D. Ford</i>

ALL DIMENSIONS IN MM

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SPL8795 3 OF 4 ASS8794 3

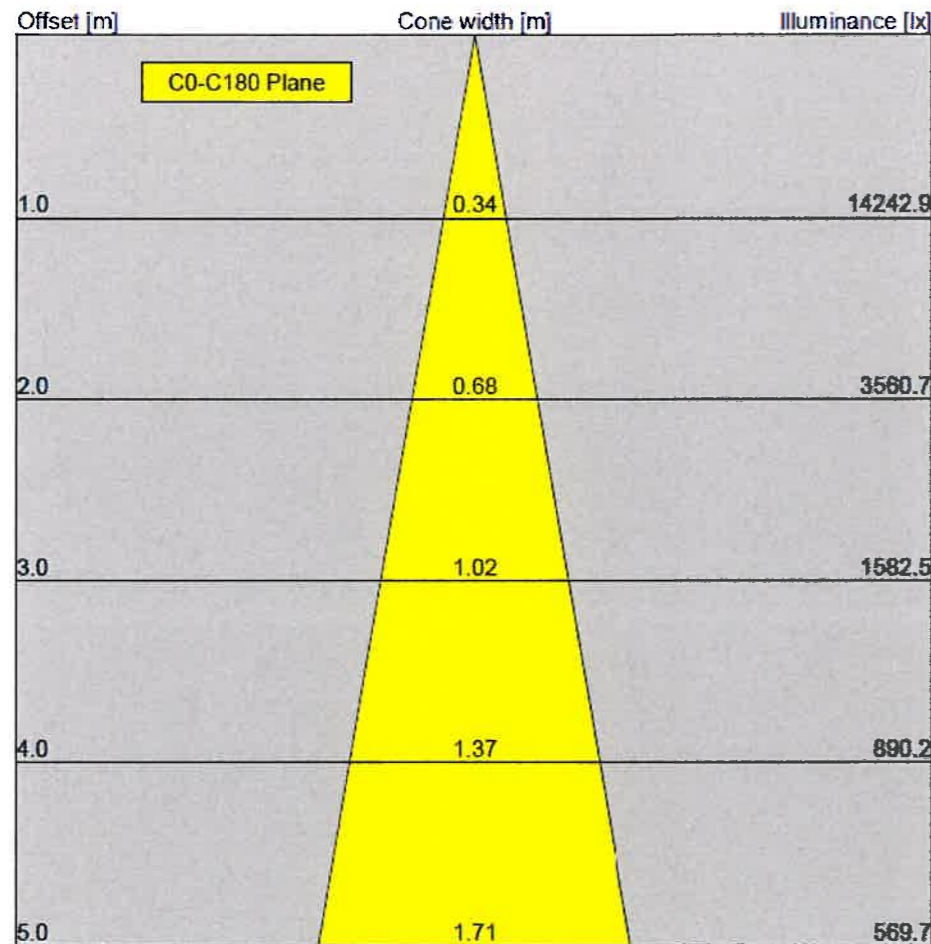
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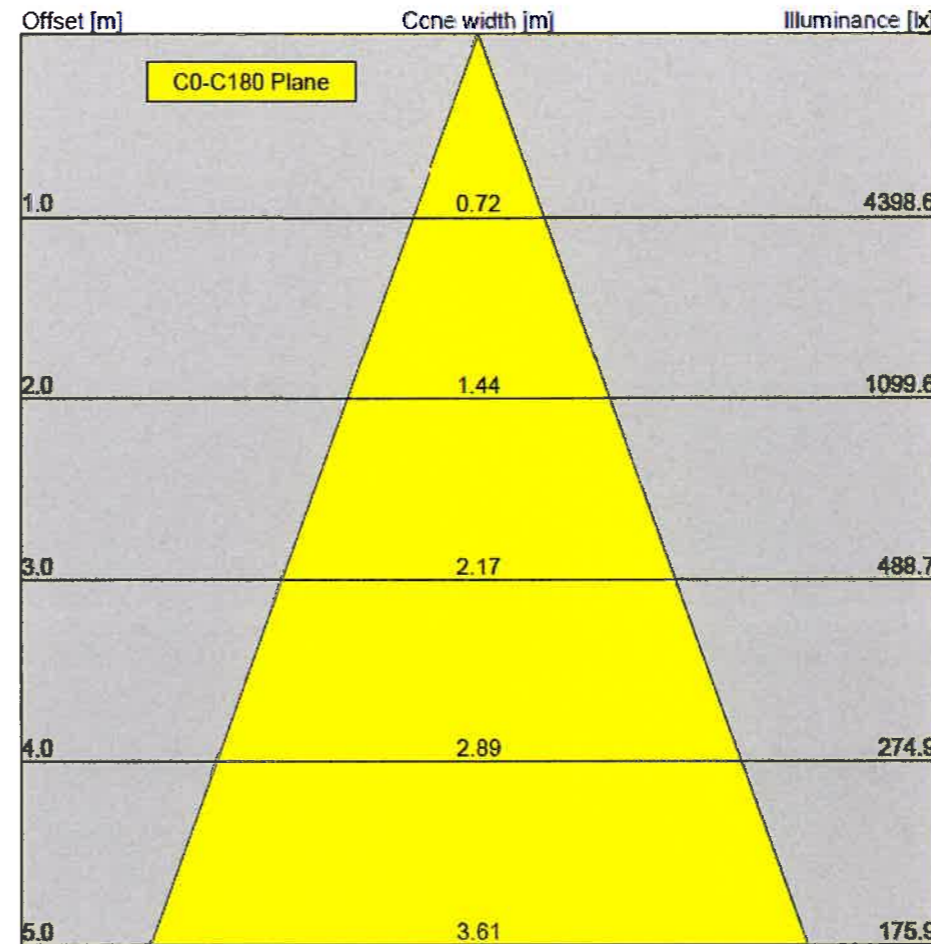
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ILLUMINANCE LEVELS



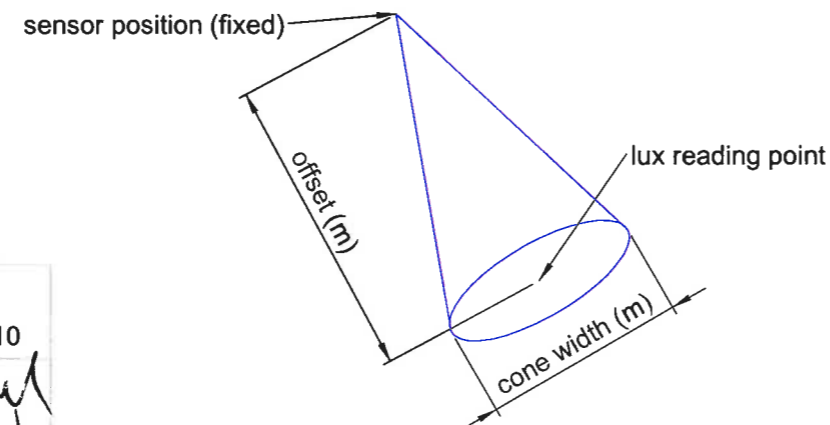
Note: The illuminance is calculated with $I(\gamma=0)$

ILLUMINANCE READINGS FOR MEDIUM OPTIC FLOOD LIGHT



Note: The illuminance is calculated with $I(\gamma=0)$

ILLUMINANCE READINGS FOR WIDE OPTIC FLOOD LIGHT



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note. photometric testing completed by independent test house (42 partners ltd) IES files are available on request



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ANGULAR	±1°	CHK1	<i>[Signature]</i>
ORIGINAL SCALE	1:5	CHK2:	<i>[Signature]</i>

ALL DIMENSIONS IN MM

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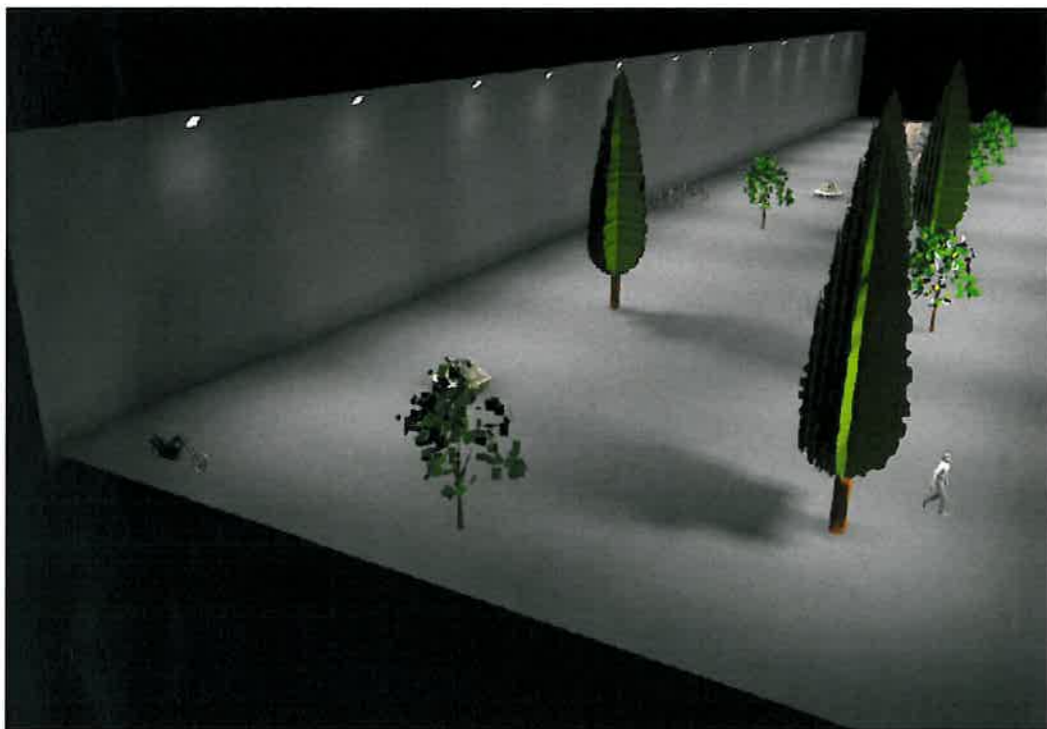
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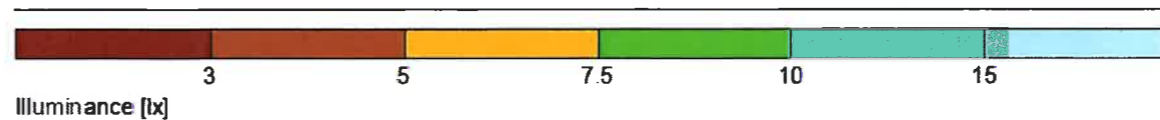
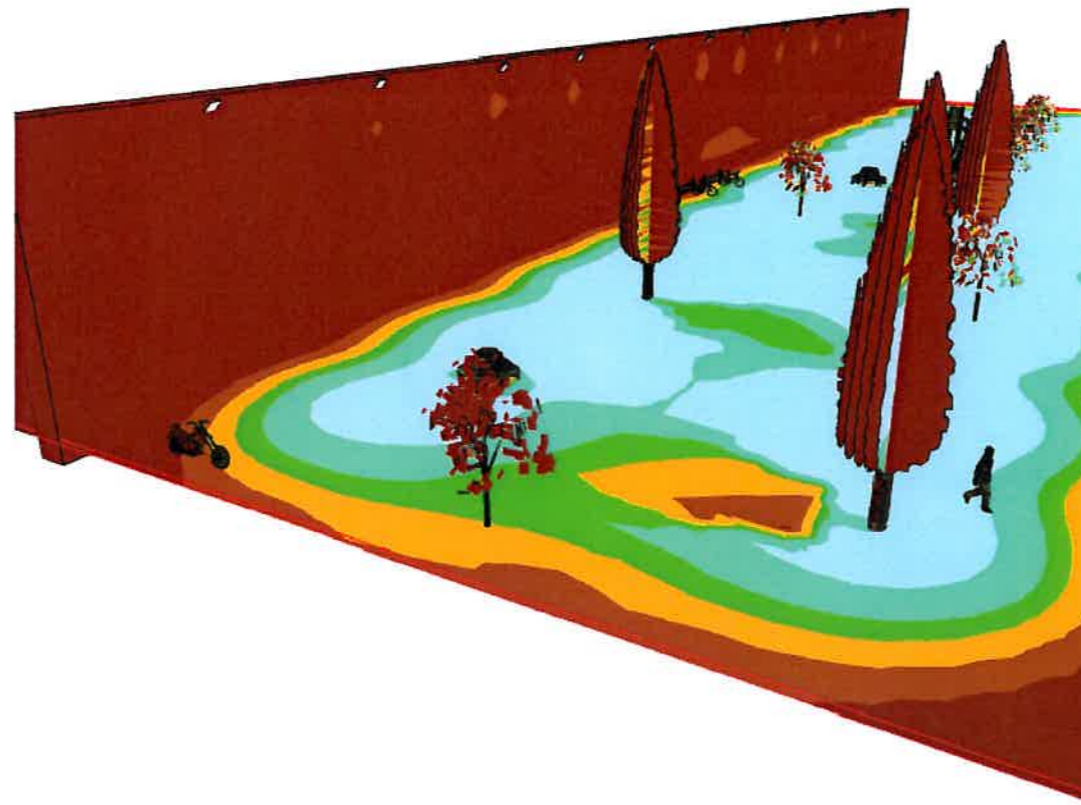
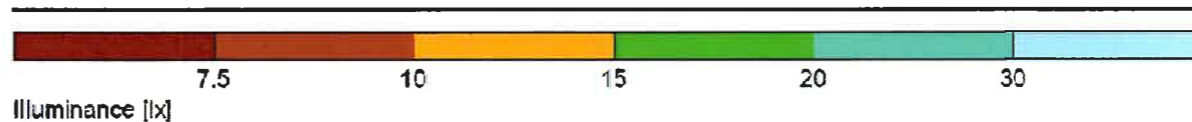
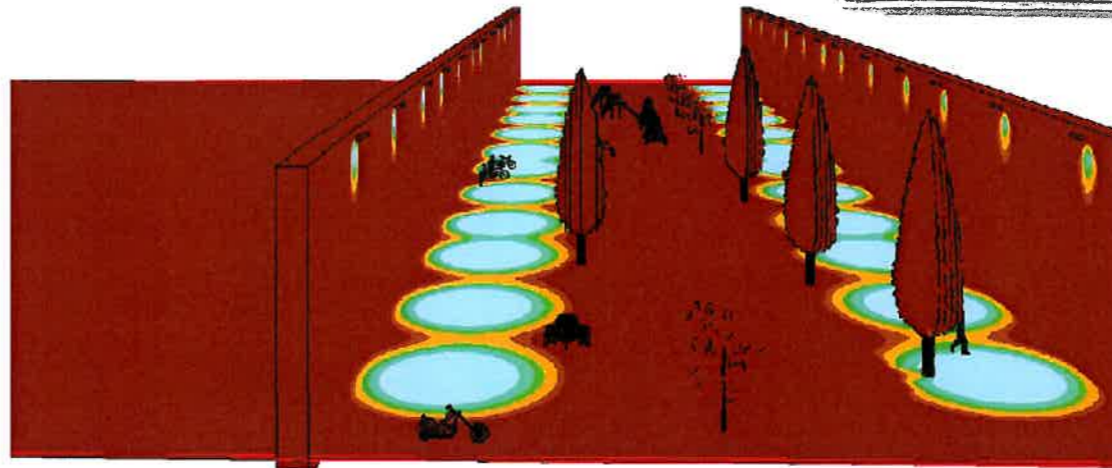


PHOTOMETRIC IMAGE OF MEDIUM OPTIC 65W LED FLOODLIGHT



PHOTOMETRIC IMAGE OF WIDE OPTIC 65W LED FLOODLIGHT

RELUX SIMULATION EXAMPLES



ILLUMINANCE LEVELS OF PHOTOMETRIC SIMULATION EXAMPLES

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 ANGULAR ±1°
 ORIGINAL SCALE 1:5



DRN: RW
 DATE: 01/10/10
 CHK1: *Chydhly*
 CHK2: *T.O. Level*