DRAWING NO	SHEET	MODEL NAME	ISSUE
SPL9066	**1 OF 3**	**ASS8800**	**1**

ISSUE	MODIFICATION	DRN	DATE
1	ORIGINAL ISSUE	RE	14.03.12

748-982-76-50

Marl International Limited
Marl Business Park,
Ulverston, Cumbria,
LA12 9BN, England.

tel: +44 (0)1229 582430
fax: +44 (0)1229 585155
e-mail: sales@marl.co.uk
website: www.marl.co.uk

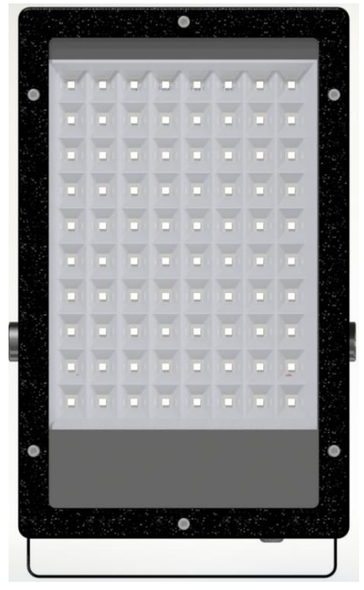
OVERVIEW

THE MARL LOW PROFILE FLOOD LIGHT COMBINES THE LATEST 130Lm/W LEDS WITH HIGH-EFFICIENCY OPTICS, PSU AND OPTIMISED THERMAL DESIGN TO ACHIEVE A TOTAL LUMEN OUTPUT OF UP TO 5000 LUMENS MAKING IT THE IDEAL ANSWER TO LOW ENERGY FLOOD LIGHTING SOLUTIONS. 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 UV STABILISED POWER CABLE.

EFFICIENCY OF >80Lm/W MEANS THIS PRODUCT QUALIFIES FOR ENHANCED CAPITAL ALLOWANCE (ECA) CLAIM. CONTACT SALES FOR DETAILS.



- **HIGH EFFICIENCY COMPONENTS USED FOR MAXIMUM ENERGY SAVING.**
- **LONG LIFE AND RELIABILITY ELIMINATE MAINTENANCE PERIOD FOR 60,000HRS (13 YRS @12 HRS PER DAY).**
- **DURABLE POWDER COATED IP66 HOUSING WITH TEMPERED GLASS.**
- **CAN REPLACE 500W LINEAR HALOGEN OR 100W METAL HALIDE**



ELECTRICAL

INPUT POWER: 60W
INPUT VOLTAGE: 90-305VAC
FREQUENCY: 47-63Hz
POWER FACTOR: >0.95/230VAC
INRUSH CURRENT: COLD START 75A/230VAC
AC CURRENT: (0.8A/115VAC 0.4/230VAC)
PROTECTION: OVER VOLTAGE / CURRENT / TEMPERATURE & S/C
AMBIENT OPERATING TEMPERATURE: -30ºC TO +45ºC
STORAGE TEMPERATURE: -40ºC TO +80ºC
COMPLIANCE TO WORLDWIDE SAFETY REGULATIONS FOR LIGHTING
80.8Lm/W TOTAL SYSTEM EFFICIENCY - INDEPENDENLT TESTED (SEE PAGE 3)

OPTICAL

VIEWING ANGLE: 100˚
COLOUR TEMP: >5000K
CRI (TYP): 85.7

MECHANICAL

IP RATING: IP66
GLASS: TEMPERED
HOUSING: DIE-CAST ALUMINIUM POWDER COATED
WEIGHT: 8.1 KG
CABLE SPEC: PVC INSULATED PUR SHEATHED
3-CORE 16/0.2MM, 7.1MM OD
CABLE LENGTH: 2M

21/03/12
NON-MAINTAINED
COPY

TOLERANCE/ SCALE UOS			
LINEAR	± 0.5	ALL DIMENSIONS IN MM	DRN: RE
ANGULAR	N/A		DATE: 14.03.12
ORIGINAL SCALE 1:5			CHK1: **RW**
			CHK2: **NJO**

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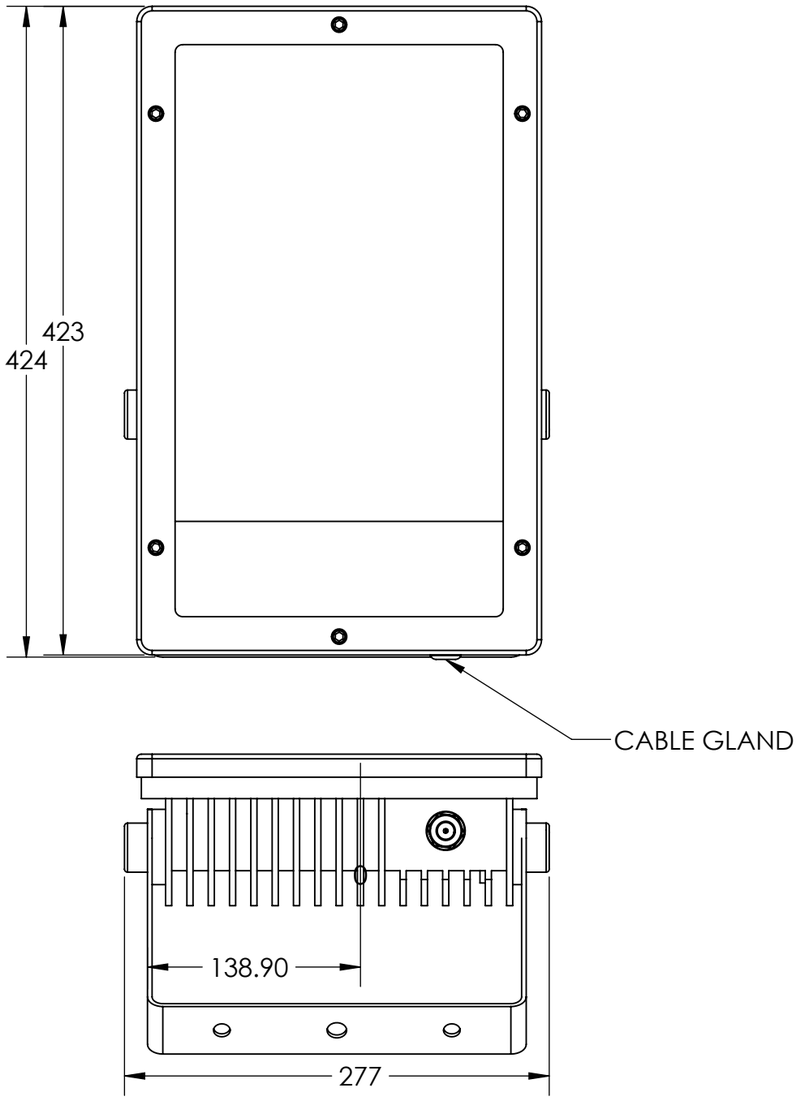
DRAWING NO	SHEET	MODEL NAME	ISSUE
SPL9066	**2 OF 3**	**ASS8800**	**1**

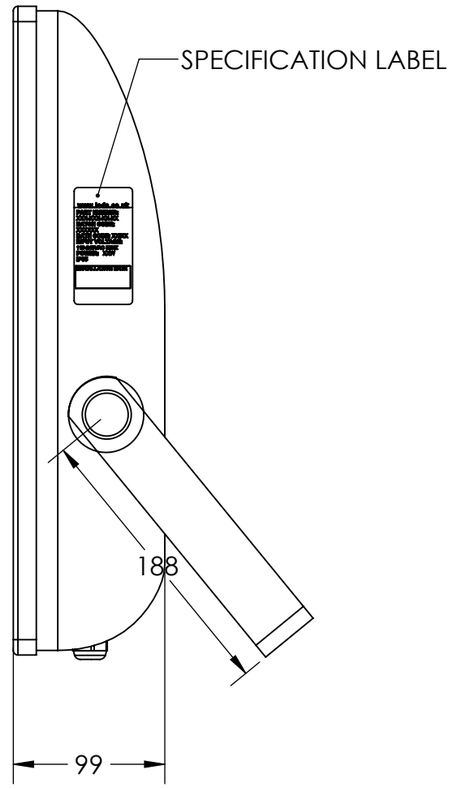
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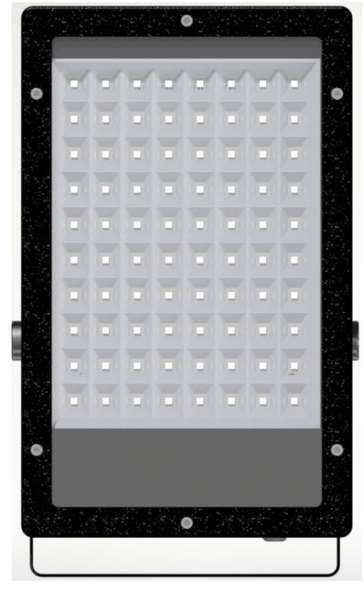
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TOLERANCE/ SCALE UOS		DRN: RE
LINEAR ± 0.5		DATE: 14.03.12
ANGULAR N/A	ALL DIMENSIONS	CHK1: **RW**
ORIGINAL SCALE 1:4	IN MM	CHK2: **NJO**

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SPL9066	**3 OF 3**	**ASS8800**	**1**

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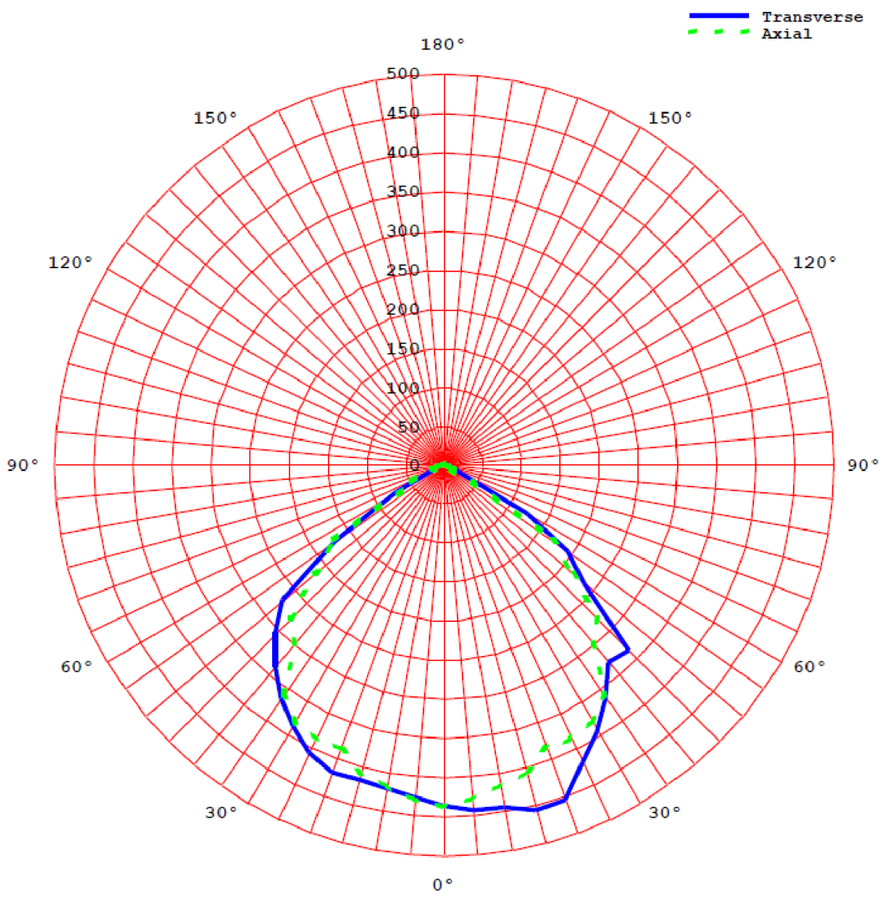
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Average Principal Axes Luminous Intensities (cd/klm)



RESULTS PROVIDED BY 42 PARTNERS LTD
PHOTOMETRIC REPORT DATED 14.03.12
IES FILES AVAILABLE ON REQUEST

Job / Report / Date 42 / 10249 / 10249-1a / 2012.03.14

Customer Marl International Limited
Luminaire catalog No. 748-982-76-50
Luminaire description LED floodlight
Source description 80 LED array
Luminaire output 4,938 lm

Electrical input & Photometric output characteristics

Sample	Voltage (V)	Current (mA)	Power Factor	Power (W)	VA	Output (lm)	Efficacy (lm/W)
Luminaire	230.0	273.3	0.972	61.1	62.9	4,938	80.8

Electrical characteristics at 25°C
Luminaire 230V 273.3mA 0.97PF 61.1W 62.9VA

Lumen Output figures used in this report (lumens)
Measured Luminaire Output 4,938

Measured luminous efficacy at 25°C
Luminaire 80.8 lm/W

CIE Chromaticity Coordinates:

CIE 1931(x,y) = (0.3353 , 0.3113)
CIE 1976(u',v') = (0.2211 , 0.4619)

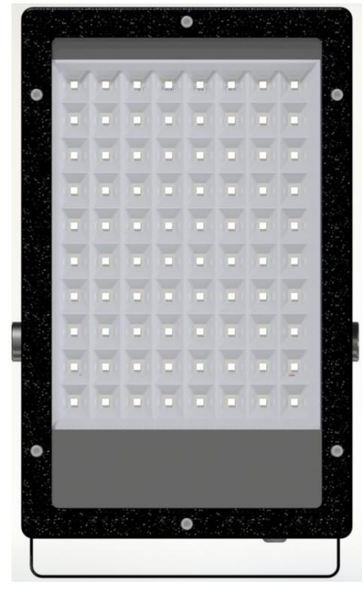
Correlated Color Temperature

CCT = 5330

Color Rendering Index

General CRI = 85.7

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LINEAR	± 0.5	ALL DIMENSIONS IN MM
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