SMART LED
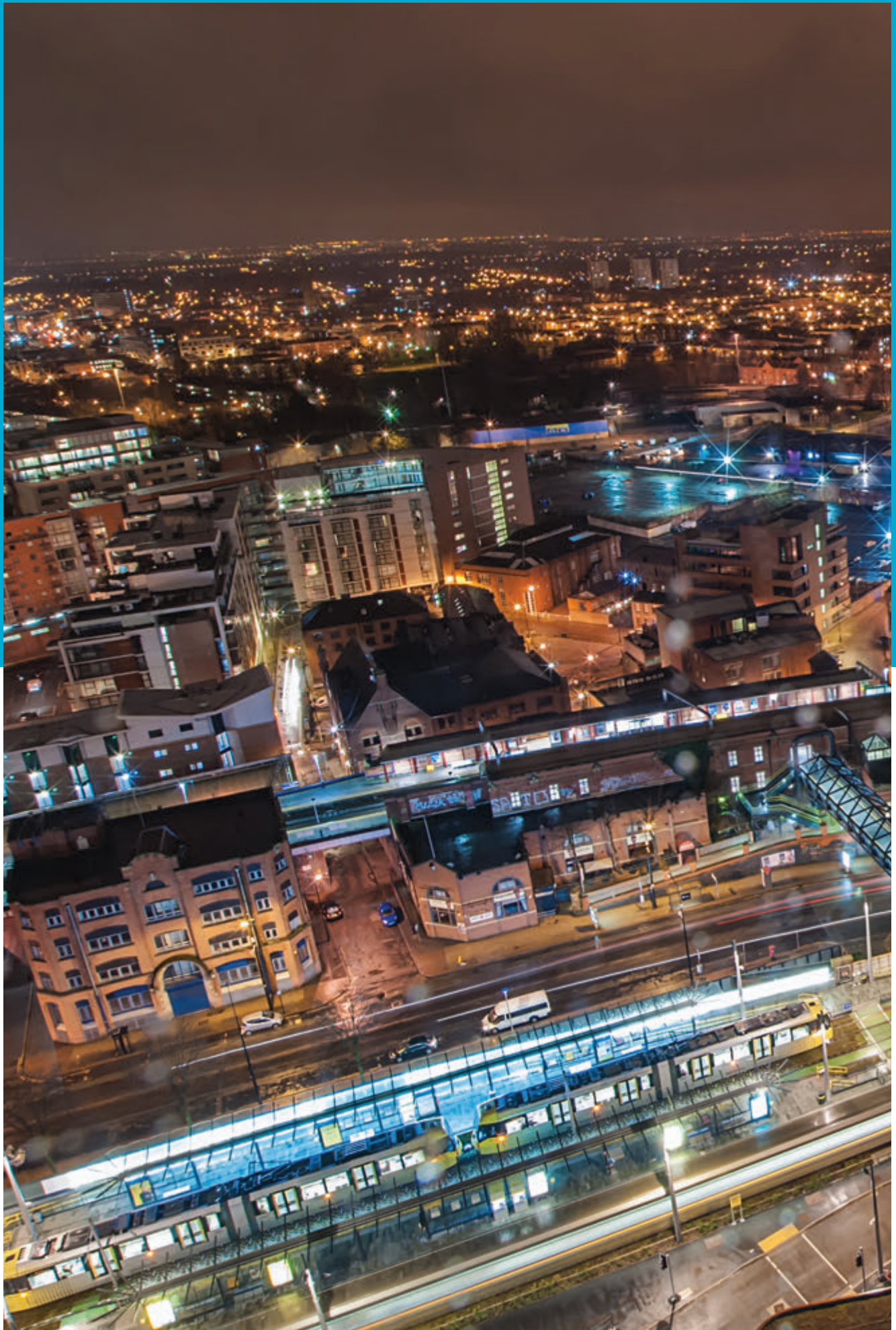
Saturn Lighting **LED** Products
2019/20

SMART
LED

Saturn Lighting
LED Products
2019/20

Saturn Super Distribution LTD. (Saturn Lighting). We were established in 1995 and are still a privately owned company, operating from Bolton, Greater Manchester.

Saturn Lighting offers a comprehensive range of products under the "Preslite" and "Prestronic" trade names. Saturn Lighting can now offer a range of highly efficient LED luminaires incorporating high quality branded components from the likes of Philips Lighting, Helvar, Tridonic and ELT.

Saturn also offers a LED emergency conversion service as well as bespoke conversions to high efficiency LED light sources in existing fittings.
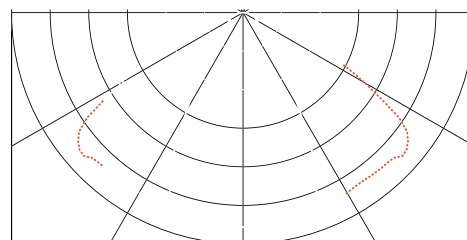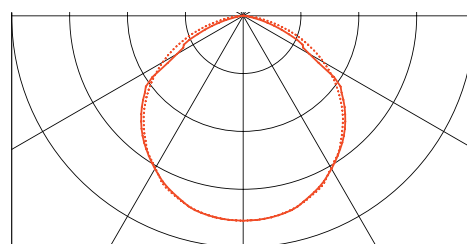
Saturn Lighting | **ASSEMBLED IN BRITAIN** | **PHILIPS** Lighting | Lighting Design Service

POWERLUX LED LOW / HIGH BAY

Model: LDLF1

Features:

White Steel Housing
Frosted LED Diffuser
European Manufactured Driver & LED Board
Supplied with Optical Attachment
Integral Sensor Option
Easy Fix & Connect
No Need To Remove Any Covers

45W 6800 Lumen LED Powerlux	LDLF1
45W 6800 Lumen High Rack LED Powerlux	LDLF1HR
71W 11985 Lumen LED Powerlux	LDLF2
71W 11985 Lumen High Rack LED Powerlux	LDLF2HR
100W 12000 Lumen LED Powerlux Dali	LDLF3
100W 12000 Lumen High Rack LED Powerlux Dali	LDLF3HR
200W 24000 Lumen LED Powerlux	LDLF4
200W 24000 Lumen High Rack LED Powerlux Dali	LDLF4HR
142W 23970 Lumen LED Powerlux	LDLF5
142W 23970 Lumen High Rack LED Powerlux	LDLF5HR
Integrated Emergency	/EML

POWERLUX

System Wattage 45w-200w Lumens 6,800-24,000	LED	IP20	5 YEAR WARRANTY

Designed and built in the UK

Model: LDLF1/2/3

Low Bay 600 x 300

System Wattage
45W-100W
Lumens
6800-12000
Voltage
220-240V
Size
595 x 300 x 45mm
Colour Temperature
4000K
Material
PMMA Lens
Steel Housing

IP20

Model: LDLF4/5

Low Bay 600 x 600

System Wattage
170W - 200W
Lumens
23000-24000
Voltage
220-240V
Size
595 x 520 x 45mm
Colour Temperature
4000K
Material
PMMA Lens
Steel Housing

IP20

Model: LDLINBAY1200

Low Bay 1500 x 300

System Wattage
55W-100W
Lumens
8800-15000
Voltage
220-240V
Size
1200 x 240 x 60mm
1500 x 240 x 60mm
Colour Temperature
4000K
Material
PMMA Lens
Steel Housing

IP20

Model: UFO100/150/200

UFO High Bay

System Wattage
100W-2000W
Lumens
10000-20000
Voltage
220-240V
Size
300 x 110mm
400 x 140mm
405 x 160mm
Colour Temperature
4000K
Material
Polycarbonate Lens
Aluminium Housing

IP65

Model: LDHBRB2000

Decorative High Bay with Prismatic

System Wattage
20W-45W
Lumens
2000-5000
Voltage
220-240V
Size
445 x 315mm
Colour Temperature
4000K
Material
Polycarbonate Lens
Aluminium Housing

IP20

Model: LDHBG

Decorative High Bay with Glass

System Wattage
20W-45W
Lumens
2000-5000
Voltage
220-240V
Size
500 x 315mm
Colour Temperature
4000K
Material
Glass Lens
Aluminium Housing

IP20

AQUAMAX LED

Model: LDNCC2

Features:
Impact Resistant ABS Housing
Retained Polycarbonate Opal Diffuser
with Stainless Steel Clips
Stainless Steel Mounting Brackets
Integral IP65 Sensor Option
Integral Emergency Option

Aquamax™

Description	Model
2FT 12W 900Lm 4000K Single LED Non Corrosive	LDNCC2
4FT 24W 1800Lm 4000K Single LED Non Corrosive	LDNCC4
5FT 32W 2500Lm 4000K Single LED Non Corrosive	LDNCC5
5FT 46W 4000Lm 4000K Single LED Non Corrosive	LDNCC5HO
6FT 40W 4000Lm 4000K Single LED Non Corrosive	LDNCC6
2FT 24W 1800Lm 4000K Single LED Non Corrosive	LDNCC22
4FT 45W 3600Lm 4000K Single LED Non Corrosive	LDNCC24
5FT 70W 6400Lm 4000K Single LED Non Corrosive	LDNCC25
5FT 92W 8000Lm 4000K Single LED Non Corrosive	LDNCC25HO
6FT 80W 8000Lm 4000K Twin LED Non Corrosive	LDNCC26
Integrated 3Hr Emergency Twin	/EM
Integrated IP65 PIR Occupancy/Daylight Sensor	/CDDPER/MB

**System Wattage
12w-92w
Lumens
900-8000**

LED

IP65

3 YEAR WARRANTY
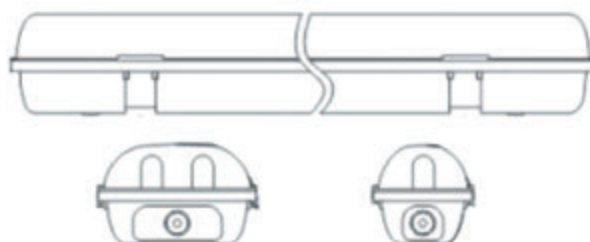
AQUAMAX SLIM

Features:
Slimline, Easy Fit, IP65 LED Non-corrosive,
External Fixings, Detachable Terminal Cover,
Quick and Easy Cable Termination,
No Need to Open the Body.
Supplied with Stainless Steel Fixing Clips &
Skin Top Style Cable Gland

Diffuser: Opal Polycarbonate
Body: Polycarbonate
Dimensions:
1500 x 76 x 65mm
1500 x 100 x 68mm
Fixing Centres: 1120mm

TÜVRheinland®

System Wattage
35w-70w
Lumens
3,150-6,300

LED

IP65

3 YEAR WARRANTY

Aquamax™

Saturn Lighting

Serving the commercial lighting industry since 1993

Model: LDPF30

PF30/45/60

System Wattage 30w-60w	Lumens 4000-7800	Voltage 220-240V
Size 270 x 405 x 400mm	Colour Temperature 4000K	Material Polycarbonate Lens

IP66

Model: PFF95

PFF95/120/145

System Wattage 95w-145w	Lumens 8000-14000	Voltage 220-240V
Size 265 x 265 x 114mm	Colour Temperature 4000K	Material Polycarbonate Lens

IP66

Model: LDFLS

System Wattage 85w-150w	Lumens 14000-24000	Voltage 220-240V
Size 438 x 428 x 148mm	Colour Temperature 4000K	Material Glass Lens Aluminium Housing

IP66

WALL PACK

Features:
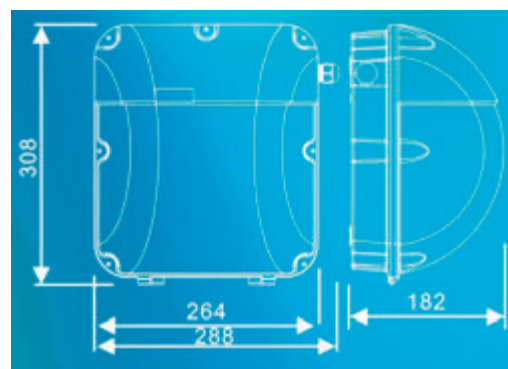Aluminium Die-Cast Base
Opal Polycarbonate Lense
F Rated & IP65
High Purity Anodized Aluminium Reflector
CCT: 4500K
Operating Temp; -40° C - 60° C

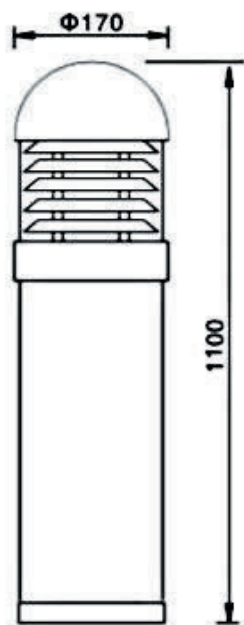| System Wattage 30W Lumens 2400	LED	IP65	2 YEAR WARRANTY

308
264
288
182

LED HD BOLLARD

Model: LDBDHD12

The HD type bollard is constructed from aluminium, with a vandal resistant polycarbonate diffuser. The bollard can be surface mounted or root mounted with an optional root mounting kit.

Ideally suited to building perimeters, pathways and landscaping.

Φ170

1100

Features:
Aluminium Body
Root Mounted Kit (Optional)
Polycarbonate Diffuser

LED Bollard 12W 1500 Lumen	LDBDHD12
LED Bollard 25W 3000 Lumen	LDBDHD18
LED Bollard 35W 4500 Lumen	LDBDHD26

System Wattage
12W-35W
Lumens
1500-4500

LED

IP65

5
YEAR
WARRANTY

Designed and built
in the UK

Saturn Lighting | Tel 01204 575100 | sales@saturnlighting.co.uk

Saturn Lighting

Serving the commercial lighting industry since 1993

Model: LDDL

LED Slimline Panel Downlighter

System Wattage 12W-23W	Lumens 700-1300	Voltage 220-240V
Size 160-225mm	Colour Temperature 4000K	Material Polycarbonate Lens

IP20

Model: LDDFA 1

E Trunk Standard 40W

System Wattage
40W
Lumens
2750
Voltage
220-240V
Size
185 x 180mm
Colour Temperature
4000K
Material
Aluminium & Glass
Cutout 175mmØ

IP20

Model: LDDFA 2

E Trunk Standard 60W

System Wattage
60W
Lumens
4000
Voltage
220-240V
Size
185 x 180mm
Colour Temperature
4000K
Material
Aluminium & Glass
Cutout 175mmØ

IP20

Model: LDDFR

Oblong LED Tilt Downlighter 40W

System Wattage
40W
Lumens
3500
Voltage
220-240V
Size
230 x 145 x 85mm
Colour Temperature
4000K
Material
Aluminium & Glass
Cutout 220 x 130mm

IP20

Model: LDDL 40

Premium LED Downlighter

System Wattage
40W
Lumens
5000
Voltage
220-240V
Size
225mm
Colour Temperature
4000K
Material
Aluminium & Glass
Cutout 185mmØ

IP20

Saturn Lighting

Serving the commercial lighting industry since 1993

Model: LDDAC

Type 'C' Amenity

System Wattage 15W	Lumens 1600	Voltage 220-240V
Size 275 x 270 x 195mm	Colour Temperature 4000K	Material Polycarbonate

IP65

Model: LDDAB

Type 'B' Amenity

System Wattage 12W	Lumens 1600	Voltage 220-240V
Size 279 x 173 x 132mm	Colour Temperature 4000K	Material Polycarbonate Lens

IP65

Model: LDPLE360

Eyelid Amenity

System Wattage 16W-70W	Lumens 2000-7800	Voltage 220-240V
Size 360 x 110mm	Colour Temperature 4000K	Material Polycarbonate Lens

IP65

Saturn Lighting

Serving the commercial lighting industry since 1993

Model: LDPLESQ PLE SQ

Pizza Square

System Wattage 11W-22W	Lumens 1200-3000	Voltage 220-240V
Size 225 x 225 x 100mm	Colour Temperature 4000K	Material Polycarbonate Lens

IP65

Model: LDPLE

Pizza Round

System Wattage
11W-22W
Lumens
1200-3000
Voltage
220-240V
Size
286 x 80mm
Colour Temperature
4000K
Material
ABS Polycarbonate

IP65

Model: LDPLEPO

Polo

System Wattage
11W-22W
Lumens
1200-3000
Voltage
220-240V
Size
330 x 100mm
Colour Temperature
4000K
Material
ABS Polycarbonate

IP65

Model: LD OP 3

Opaline 320

System Wattage
11W-22W
Lumens
1200-3000
Voltage
220-240V
Size
325 x 107mm
Colour Temperature
4000K
Material
Aluminium
Polycarbonate

IP20

Model: LD OP 4

Opaline 420

System Wattage
11W-35W
Lumens
1200-4000
Voltage
220-240V
Size
425 x 117mm
Colour Temperature
4000K
Material
Aluminium
Polycarbonate

IP20

LED EMERGENCY

ZES1NM/M
Small LED IP44 Bulkhead
Size: 230mm x 75mm x 37mm

ZES38M
LED NM/maintained Exit Box
Size: 392mm x 192mm x 60mm
ZES38ST
LED Self Test Exit Box
Size: 392mm x 192mm x 30mm

ZES91
LED NM/maintained Recessed Exit Blade
Size: 355mm x 114mm x 63mm
Cutout: 335mm x 90mm

ZES17M
LED NM/maintained IP65 Bulkhead
Size: 335mm x 95mm x 70mm

ZES31
LED NM/maintained Hanging Exit Sign
Size: 350mm x 188mm x 20mm

ZES11NM/M
LED NM/maintained IP65 Starburst
ZES11SLAVE
LED 24/50/110V Slave Starburst
Size: 156mm x 100mm x 50mm

ZES80
LED NM/maintained Recessed Bulkhead
Size: 3700mm x 140mm x 80mm
Cutout: 350mm x 120mm

LED EMERGENCY

ZES38/SLAVE
Led 24/50/110 Universal Slave Exit Box
Size: 392mm x 192mm x 60mm

ZTS216
Led 2 x 3W Twinspot

ZTS248ST
Led 2 x 3W IP65 Self Test Twinspot

ZESD1
1w Non Maintained Downlighter
ZESD3
3w Nm/maintained Downlighter
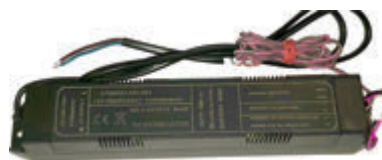
ZESLDP1
Led Panel Conversion Kit
ZESLDP2
Led Downlight + Panel Conversion Kit
ZESLDP1GU
GU10 Led Mains Conversion

ZES18/SLAVE
Led 24/50/110V Universal Slave Bulkhead
Size: 335mm x 95mm x 70mm

ZTS215
Led 2 X 3W Small Twinspot
Size: 310mm x 310mm x 72mm

Saturn Lighting

Serving the commercial lighting industry since 1993

Model: LDSL50

Streetlight 50W

System Wattage 50W	Lumens 5000	Voltage 220 - 240V
Size 420 x 195 x 115 60mm Entry	Colour Temperature 5700K	Material Aluminium/ Glass

IP65

Model: LDSL75

Streetlight 75W

System Wattage 75W	Lumens 7500	Voltage 220 - 240V
Size 535 x 242 x 140 60mm Entry	Colour Temperature 5700K	Material Aluminium/ Glass

IP65

Model: LDSL100

Streetlight 100W

System Wattage 100W	Lumens 10000	Voltage 220 - 240V
Size 535 x 242 x 140 60mm Entry	Colour Temperature 5700K	Material Aluminium/ Glass

IP65

Saturn Lighting | Tel 01204 575100 | sales@saturnlighting.co.uk

Saturn Lighting

Serving the commercial lighting industry since 1993

Model: LDMFIPD

Recessed Panel 600 x 600

System Wattage 38W-70W	Lumens 4000-6500	Voltage 220-240V
Size 595 x 595mm	Colour Temperature 4000K	Material Polycarbonate Lens

IP65 Front

Model: LDMSIPD

Surface Panel 600 x 600

System Wattage 38W-70W	Lumens 4000-6500	Voltage 220-240V
Size 595 x 595mm	Colour Temperature 4000K	Material Polycarbonate Lens

IP65

Model: LDMFIPD126

Recessed Panel 1200 x 600

System Wattage 38W-70W	Lumens 4000-6500	Voltage 220-240V
Size 1195 x 595mm	Colour Temperature 4000K	Material Polycarbonate Lens

IP65 Front

Saturn Lighting

Serving the commercial lighting industry since 1993

Model: LDMFP/4

Standard Panel 600 x 600

System Wattage 38W	**Lumens** 3000	**Voltage** 100-240V
Size 595 x 595mm	**Colour Temperature** 4000K	**Material** Polycarbonate Lens

IP20

Model: LDMFP 126/4

Standard Panel 1200 x 600

System Wattage
60W
Lumens
4300
Voltage
220-240V
Size
1195 x 595mm
Colour Temperature
4000K
Material
Aluminium
Polycarbonate

IP20

Model: LDMAGNA

Magna LED

System Wattage
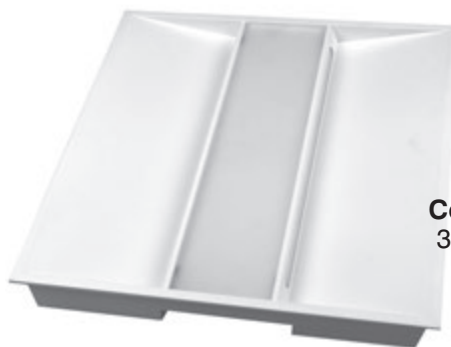20W-60W
Lumens
2000-6000
Voltage
220-240V
Size
595 x 595 x 60mm
Colour Temperature
3000K/4000K/5000K
Material
Steel
Polycarbonate

IP20

Model: LDCARDI

Cardi LED

System Wattage
45w-100W
Lumens
3000-5000
Voltage
220-240V
Size
595 x 595 x 68mm
Colour Temperature
4000K
Material
Steel
Polycarbonate

IP20

Model: BESPOKE

Armstrong Ceiling Panel LED

System Wattage
45w-100W
Lumens
4000-10000
Voltage
220-240V
Colour Temperature
2000K/4000K/5000K
Material
Steel
Polycarbonate

IP20

For Armstrong
Ceiling Slot
Custom Sized

Saturn **Lighting**

Serving the commercial
lighting industry since 1993

Model: LDFL30/LDFL50

SMD Flood 30/50W

System Wattage 30-50 W	Lumens 2400-4000	Voltage 200-240V
Size 223 x 184 x 51 (30W) 233 x 284 x 62 (50W)	Colour Temperature 4500K	Material Aluminium/ Glass

IP66

Model: LDFL100

SMD Flood 100W

System Wattage 100W	Lumens 8000	Voltage 95-265V
Size 335 x 300 x 70mm	Colour Temperature 4500K	Material Aluminium/ Glass

IP66

Model: LDFL150

SMD Flood 150W

System Wattage 150W	Lumens 12000	Voltage 95-265V
Size 385 x 300 x 160mm	Colour Temperature 4000K	Material Aluminium/ Glass

IP66

Model: LDQSSP52

LED Pro
Sportslighter

The Sports Lighter and Architectural Flood luminaire is available in two wattages with specially designed optical systems to provide uniform light levels for sports applications and architectural highlighting. Four beam patterns provide optical distribution that is designed to replace HID lighting systems of 400W to 1500W MH or HPS.

Typical sports applications include football, golf, motor vehicle tracks, tennis and outdoor recreation. Commercial flood light and accent lighting applications include retail centres, theme parks, schools and universities, public transit and airports, mid and high rise buildings and bridge structures. Mounting heights of up to 24 meters can be used based on light level and uniformity requirements.

Engineered with careful consideration for the best possible performance

Specifications and Features:

Housing:
Die cast aluminium housing with top glare shield, integral heat sinking and driver compartment. Laser aiming bracket is provided on the top of the housing. Heavy duty adjustable yoke allows for pole downward and ground/wall upward aiming. Nickel-Plated stainless steel hardware.

Finish:
Textured architectural grey powdercoat finish over a chromate conversion coating. Custom colours available upon request

Lens:
Clear one-piece moulded ¼-section vandal-resistant polycarbonate lenses in 2x2, 3x3, 4x4, and 5x5 distributions. 4 lenses per fixture, with automatically applied closed cell gasketing.

Mounting Options:
Heavy duty yoke allows for aiming horizontally and vertically. Locking bolts can be configured for up or down aiming. Adjustment slots are stamped with embossed 5 degree increment marks. Fixture is supplied with 900mm flex and liquid tight connector to allow for installation without opening the housing to make circuit connections. Yoke can be bolted to sports lighting cross arms or other structures.

LED:
Aluminium Boards

Wattage:
536w array model: 584w (Up to 1500w HID equivalent)

Driver:
Electronic driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; less than 20% THD and PF>0.90. Standard internal surge protection 6kV. 0-10V dimming standard for a dimming range of 100% to 10%; dimming source current is 150ma.

Saturn Lighting | Tel 01204 575100 | sales@saturnlighting.co.uk

Case Study
Lancaster University

Saturn Lighting was requested to provide a solution to upgrade the unique Thorn fittings first installed in 1997.

The original fittings of 40pcs 2 x 26w PL had reached end of life, combined with providing a substantial energy saving as the reading room in the library is open 24hrs a day 7 days a week. This was achieved by designing a purpose made gear tray, LED array holder\reflector and utilising Tridonic LED Boards combined with Tridonic Drivers.

By reducing the annual consumption from 55,910Kwh to 15,724Kwh showing a 72% reduction in energy use provided a saving of over £4000 per annum.

Lancaster University

Energy Saving Calculator

Existing Costs		Proposed Costs	
Annual Consumption (Kwh)	55910.4	Annual Consumption (Kwh)	15724.8
Cost Per Unit (£)	0.1	Cost Per Unit (£)	0.1
Annual Electricity Cost	£5,591.04	Annual Electricity Cost	£1,572.48
		Annual Saving	£4,018.56
Annual Tonnes of CO2 Produced	24.04	Annual Tonnes of CO2 Produced	6.76
		Annual Tonnes of CO2 Saved	17.28

Low Bays

LB150S	150W SON LOWBAY	IP20
LB250S	250W SON LOWBAY	IP20
LB400S	400W SON LOWBAY	IP20
LB150M	150W HQI LOWBAY	IP20
LB250M	250W HQI LOWBAY	IP20
LB400M	400W HQI LOWBAY	IP20
LSG	SAFETY GLASS	
LWG	WIRE GUARD	

HQI varients are supplied C/W safety glass
All lowbays are supplied C/W lamp

Superior Flood Asymetric

DFPAS150	150W SON SUPERIOR ASYMETRIC	IP65
DFPAS250	250W SON SUPERIOR ASYMETRIC	IP65
DFPAS400	400W SON SUPERIOR ASYMETRIC	IP65
DFPAM150	150W HQI SUPERIOR ASYMETRIC	IP65
DFPAM250	250W HQI SUPERIOR ASYMETRIC	IP65
DFPAM400	400W HQI SUPERIOR ASYMETRIC	IP65
PC	PHOTOCELL FITTED	
DFPGR	WIRE GUARD	

All superior floodlights are supplied C/W lamp

Superior Flood Symetrical

DFPS150	150W SON SUPERIOR	IP65
DFPS250	250W SON SUPERIOR	IP65
DFPS400	400W SON SUPERIOR	IP65
DFPM150	150W HQI SUPERIOR	IP65
DFPM250	250W HQI SUPERIOR	IP65
DFPM400	400W HQI SUPERIOR	IP65
PC	PHOTOCELL FITTED	
DFPGR	WIRE GUARD	

All superior floodlights are supplied C/W lamp

LED Extrusions & Architectural

Linear surface, suspended & recessed aluminium LED lighting, stand alone luminaires and custom lengths. RAL colour finishes to your specification.

Please contact our specification department for further details

Globes

We offer an extensive range of Globes, PC, PMMA, Opal, Clear, Smoked. With or without Louvre Stack, with or without "monks cap".

Please contact our specification department for further details