

Allom **Architectural Lighting**

The object is the object - Studio FPM 1973



God is in the Details - Mies Van de Rohe 1929

Awards

Design awards, Italy, Germany, USA and UK
Product in Museum of Modern Art, New York, MOMA, since 1973



Logistics

Allom Architectural Lighting delivers all over Europe via London, Antwerp, Berlin, Milan, Paris, Warsaw, Zurich. Gulf and Asia Pacific - Dubai, Doha, Mumbai, Seoul, Singapore, Sydney, and Tokyo. USA - Baltimore, Houston, Long Beach.

Digital Infrastructure

Revit, Cobuilder, Solidworks, Adobe Creative Suite, Sage 50, Office 365.

Product Compliance

Guarantee - 10 years warranted and insured by Lloyd's of London
Heat transfer thermal dynamics convection cooling laminar flow
Allom Cool Head Technology™
OPTIM-AL™
385+ luminaires;
£5m product liability insurance for each major market;
a solid state company for electronics research and development.
Long product life, recyclable, biodegradable packaging Industrial, Retail, Residential.
TUV / CE/ Rohs / Recolight / UKCA ISO 9001 ISO 14001

Timing is everything

1961 Peter Nelson, Britains foremost aircraft modeller, starts AL, designs and makes Series S. Prior to this he modelled 12 versions of the Constellation aeroplane working with Howard Hughes.

1967 Series A designed and made.'More with less'. 750watt Light Box for retail, and gallery lighting.

1972 AL is the first lighting business in Europe to give a 5 year guarantee.

1974 Manufacture in Japan, USA and Italy. 'The Object is the object', the purpose of our work is to make better products and a better world.

1975 Cylinder Series UK and USA, 'The best for the most with the least'

1982 Series 20, mr16

1987 Series 30, B15d

1990 Series 900

1992 Allom picture lights

1995 Series 200, GU10

2004 Series 40, AR111, Allom Cool Head Technology™

2008 LED modules, Newton Series, patented UK, EU, USA, Brunel, Red Dot.

2017 Greenlight for vertical farming

2021 Medic-AL, Dept. for Health, Covid solution.

2022 Electric Vehicle charging point for kerbside, Skyraft patented UK, EU, USA & Skydisk.

2023 Energy saving patented projectors for track and ceiling plate.

2024 OPTIM-AL 10 years warranted and insured

Philosophy

We work continuously for a better world with longer product life, 98% recycling and always following the maxim of R. Buckminster Fuller: more with less.

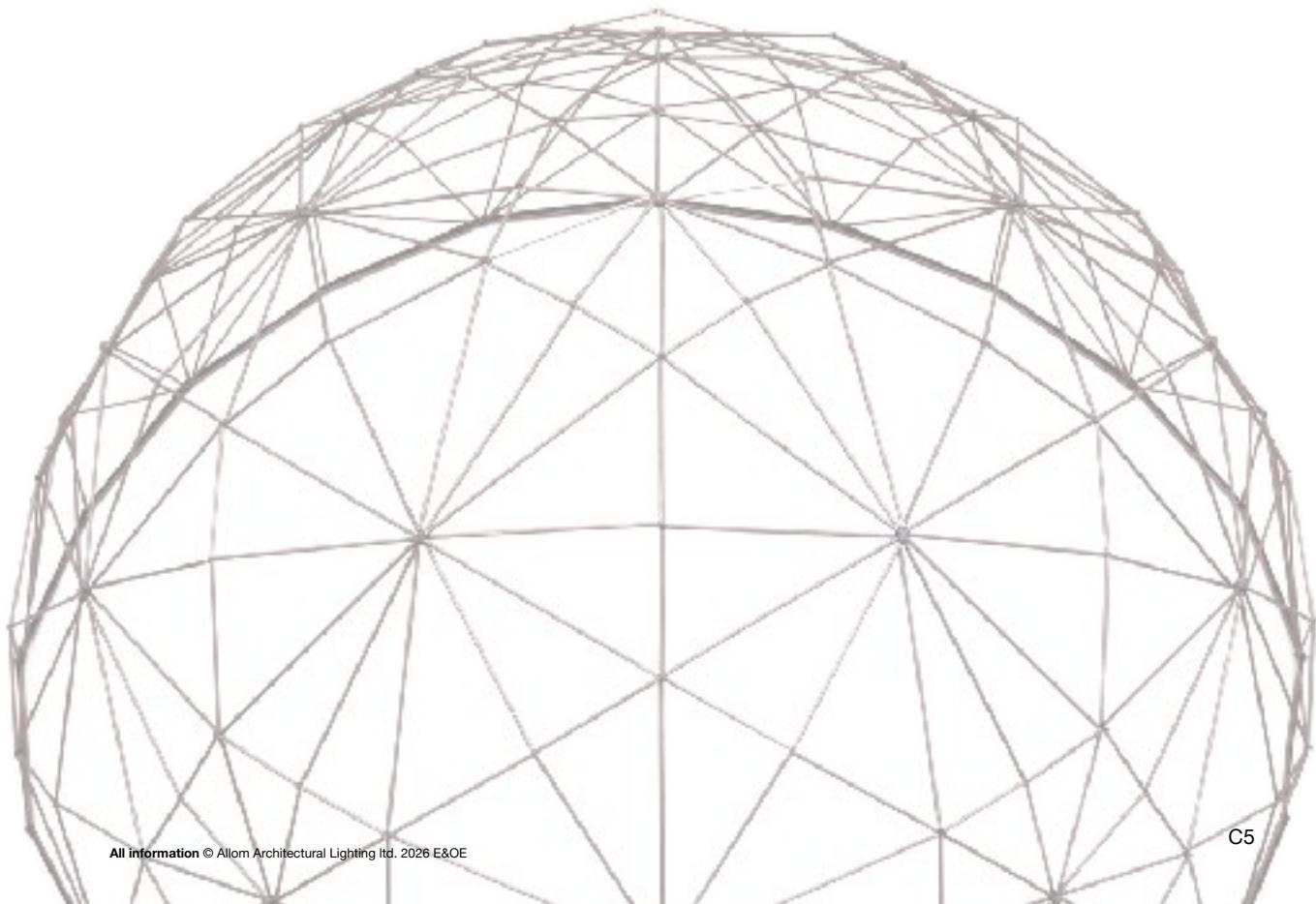
Wir arbeiten permanent an der Verbesserung unserer Produkte, um deren Lebensdauer und 98% Recyclebarkeit zu gewährleisten. Unser Motto ist die Maxime von R. Buckminster Fuller: more with less.

Nous travaillons continuellement pour un monde meilleur avec une durée de vie de produit plus longue, 98% recyclable et en suivant toujours la maxime de R. Buckminster Fuller: more with less.

Lavoriamo in continuazione per creare un mondo, con prodotti di lunga durata e riciclabili al 98%. Tuttociò sempre seguendo il motto di R. Buckminster Fuller: more with less.

Nosotros trabajamos continuamente para crear un mundo mejor, con productos más duraderos, reciclables en un 98% y siempre siguiendo el lema de R. Buckminster Fuller: more with less.

Nós trabalhamos continuamente para criar um mundo melhor, com produtos de longa duração, 98% reciclando e sempre seguindo o lema de R. Buckminster Fuller: more with less.



Influences

"We do these things not because they are easy but because they are hard" -

President John F Kennedy

"God is in the details" - Mies van der Rohe

"One thing will be decisive the way we assert ourselves in the face of circumstance" - Mies van der Rohe

"We cross the river by feeling the stones" - Deng Xiaoping

"An engineer can be an artist, but an artist cannot be an engineer" -

Frank Malina, Paris 1966

"The object is the object. The purpose of our work is to make better products and a better world" - Studio FPM, Milan 1972

"More with less" - R. Buckminster Fuller

"The best for the most with the least" - Ray Eames

"Design is not about decoration; it is about creating a space that enhances life" –

Charlotte Perriand

Pythagoras, Fibonacci, Galileo, Newton, Faraday, Swan, Tatlin, Malevitch, Rodchenko, Lissitsky, Aalto, van der Rohe, Takis, Malina, Gabo, Spencer, Castelli, Magistretti, Castiglione, Straub, Boothby, Kape, Mari.



Products - All with 10 year guarantee

OPTIM•AL

GU10	1.9 watt 398 lumen non dim 36 degree 50,000 hours Energy label A
INTEGRATED	5 watt 600 lumens dim 3/4/6K switchable, CRI90, IP65 fire rated 90mins 38 degree Energy label E
CIRCULAR	<p>Bulkhead with only 68mm projection 12 watts, 1440 lumens, 3/4/6.5K switchable, IP65 on-off, micro-sensor, EM, 3 year 2x batteries, 3 hours Li-ion. Energy Label E</p> <p>Bulkhead with 78mm projection to take a 20mm conduit tube 12 watts, 1440 lumens, 3/4/6.5K switchable, IP65 on-off, micro-sensor, EM, 3 year 2x batteries, 3 hours Li-ion for 20% output. Energy Label E</p>
SKYDISK	<p>Circular Highbay, 298mm dia 145 watt 29725 lumen IP65, 60,000 hours service life, 3 metre chainset and 3 metre power cable 4/5/6.6K switchable, Beam 55 or 85 degrees</p> <p>EM version as above but with 3 year, 3 hour Li-Ion battery for 10%. Energy label B</p>
SKYRAFT	<p>Linear Highbay, Made in Aluminium. Energy saving, COOL BRIDGE, IP65.</p> <p>Optional EM version at 20% performance for 3 hours with 3 Li-ION batteries with 3 year battery life. 3.5 metre chains and 3.5 metre power feeds as required 10 year guarantee, 80,000 Service life 3/4/5/6K switchable Energy label C</p>
DREADNOUGHT	<p>Bulkhead Series, Diecast Stainless steel body, 20/30/50 watts, 3000, 5000, 8000 lumen 3/4/5/6K switchable, M/S, Fire rated 90 minutes</p> <p>EM version available 20% for 3 hours and 3 year life Energy label C and E</p>
PROJECTOR	<p>Fixed Beam Track and ceiling plate. The overall wattage for major retail stores is 15watts. 2400lm, 160lm/watt Energy label C</p>
NEWTON	A series of 17 task lights at 8 watts and 1280 lumens, the best in class, with a universal dimmable driver at 97v-277v Energy label C
EVCP	Rapid Electrical Vehicle Charging Point

OPTIM•AL



10
Year



Guarantee

Energy

Product Code

OPGU10A3983N36UKEU

OPTIM•AL GU10 Longlife/Glass

Guarantee 10 years warranted and insured by Lloyd's of London

Energy Label A

Watts 1.9 Watts

Lumens 398 Lumens

CCT 3000k, lumens/watt 210

CRI 80

Dimensions Dia. 50mm, Height 55.5mm

Service Life 50,000 Hours

Beam Angle 36 Degrees

Dimmable Non Dim

Certifications UKCA CE RoHS SELV Recolight, ISO 9001 ISO 14001

Driver Constant Current

Trade Mark OPTIM•AL

OPTIM•AL



10
Year



Guarantee

Energy

Product Code

OPINTE600346D900365FR90UKEU

**INTEGRATED
FIREPROOF**

Integrated downlight fire rated

Fire Rated 90 minutes

Guarantee 10 years warranted and insured by Lloyd's of London

Energy Label E

Watts 5

Lumens 600

Lumens per Watt 120

CCT 3/4/6k switchable

CRI 80

Dimensions Dia. 84mm, cut out 68mm dia

Service Life 60,000 Hours rating

Beam Angle 38 Degrees

Bezel RAL 9003 White

Dimmable Dimmable recommended with Varilight Pro

IP IP65

Certifications CE RoHS SELV, UKCA, Recolight, VDE, TUV

ISO 9001, ISO 14001, SEDEX & SMETA

Trade mark

OPTIM•AL



OPTIM•AL

10
Year



Guarantee Energy

Product Code

OPCIRCE14403465N900354UKEU
OPCIRCE14403465N901054UKEU
OPCIRCE14403465N900354MSUKEU
OPCIRCE14403465N901054MSUKEU
OPCIRCE14403465N90039054EMUKEU
OPCIRCE14403465N90109054EMUKEU
OPCIRCE14403465N90039054EMMSUKEU
OPCIRCE14403465N90109054EMMSUKEU

CIRCULAR BULKHEAD

Fire Retardant Polycarbonate

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	E
Lumens	1440
Lumens/Watt	120 lumens at 12 watts
Watts	12 Watts, Non DIM
CCT	3000K/4000K/6500K switchable
CRI	80
Colour	RAL 9003 White or RAL 9010 Warm White
Driver	PF95
Certificate	TUV CE Rohs Recolight
Dimensions	315mm dia, 68mm projection
Service Life	50000 hours /10 years, 2x Li-Ion batteries at 3.2V and 150mAh, total 6.4V and 300mAh, 3 years and 3 hours
Uses	General lighting, ceiling or wall, stairs and communal areas
IP	IP65
Design & Copyright	Studio FPM
Trade Mark	OPTIM•AL

OPTIM•AL



10
Year



Guarantee

Energy

Product Code

OPCIRCCONE14403465N900365UKEU
OPCIRCCONE14403465N900365MSUKEU
OPCIRCCONE14403465N900365EMUKEU
OPCIRCCONE14403465N900365EMMSUKEU

CIRCULAR BULKHEAD

Fire Retardant Polycarbonate

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	E
Lumens	1440
Lumens/Watt	120 lumens at 12 watts
Watts	12 Watts, Non DIM
CCT	3000K/4000K/6500K switchable
CRI	80
Colour	RAL 9003 White or RAL 9010 Warm White
Driver	PF95
Certificate	TUV CE Rohs Recolight
Dimensions	315mm dia, 78mm projection to take a 20mm conduit tube
Service Life	50000 hours /10 years, 2x Li-Ion batteries at 3.2V and 150mAh, total 6.4V and 300mAh, 3 years and 3 hours
Uses	General lighting, ceiling or wall, stairs and communal areas
IP	IP65
Design & Copyright	Studio FPM
Trade Mark	OPTIM•AL



OPTIM•AL

10
Year



Guarantee. Energy

Product Code

OPDISKB29725456.565UKEU
OPDISKB29725456.565EMUKEU
OPDISKB20500456.565UKEU
OPDISKB20500456.565EMUKEU
OPDISKB15375456.565UKEU
OPDISKB15375456.565EMUKEU

SKY DISK

Top Spec Circular Highbay Series with 3 lumen outputs

Guarantee	Flicker Free – 10 years warranted and insured Lloyd's of London
Material	High pressure die cast aluminum body, RAL 9004
Lumens	29725, 20500, 15375, Lumileds 2835
Watts	145, 100, 75
CCT	4/5/6.5k Switchable, beam 55 or 85 degrees
CRI	80
Types	On-off, MS, 3 metre power feeds and 3 metre chainsets EM version with 10% output on 3 or 2 Li-Ion batteries, 3 hours and 3 years life, smart controls on application, Bluetooth, Dali, ZigBee
Driver	1x Lifud, 200watt for 145, 100 or 75 watts
Certificate	TUV, CE, RoHS, SELV, Recolight, UKCA
Dimensions	298mm dia, weight 4 or 6 kg
Service Life	60,000 hours
Uses	Industrial, Warehouse, Rail
IP	IP65
Design	Studio FPM
Trade mark	OPTIM•AL™ Allom Cool Head Technology™



10
Year

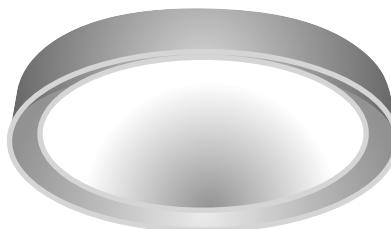


Guarantee Energy

Product Code

OPRAFTC27700456DMSUKEU
OPRAFTC27700456DMSEMUKEU
OPRAFTC20775456DMSUKEU
OPRAFTC20775456DMSEMUKEU
OPRAFTC13850456DMSUKEU
OPRAFTC13850456DMSEMUKEU

SkyRaft	Top specification Highbay with COOL BRIDGE
Guarantee	Flicker free; 10 years, warranted and insured Lloyd's of London
Energy Label	C
Material	Aluminium
Lumens	Lumens per watt 185; for 27700 total lumens
Watts/Voltage	150w, 97-277v
CCT	3/4/5/6K Switchable
CRI	80
Beam Angle	90 degrees
Types	On-off, MS, dim and/or EM Li-Ion 3 x 3 hour or 2 x 3 hour at 20%, 3 year life. Dali or Casambi on application STOOW power cable and chain standard 3.5m long or length to order, ATEX ZONE 2, fireproof dust cover
Drivers	1 x isolated Inventronic at 200w
Certificate	VDE, TUV, UKCA, CE, Rohs, SELV, Recolight, UL, CUL, ATEX Zone 2
Dimensions	900 x 453 x 52 mm Weight 6.3kg or EM 8.3kg
Service life	80000 hours L70
Uses	Data Centres, Warehouses, Industrial
IP	54, IK08
Design	Studio FPM
Trademark	OPTIM•AL: Patented UK, EU, USA. Allom Cool Head Technology™



OPTIM-AL

10
Year



Guarantee Energy

Product Code

OPDREFE2400N34565UKEU
OPDREFE2400N34565MSUKEU
OPDREFE2400N34565EMUKEU
OPDREFE2400N34565EMMSUKEU

DREADNOUGHT Series

3 sizes, microsensor, dimmable, DALI, EM for airport, railway stations, sports stadiums, commercial and residential installations

Guarantee	10 years, insured with Lloyds of London
Energy Label	C
Lumens	3000-5000-8000
Watts	20, 30 or 50
CCT	3/4/5/6K switchable
CRI	80
Dimensions	30, 50, 80 cm diameter
Projection	50, 60, 80mm
Surface	Ceiling or Wall
Lens	Super tough convex Gorilla glass
Body	Die cast in 'thin wall' stainless steel 304
Certifications	UKCA, CE, TUV, VDE, RoHS, UL, CUL
IP/IK	IP 67, IK 10, EN 62262
Driver	Inventronic 10 year guarantee, dim, MS, EM version, 3 hour 20% output 3-year life. Li-ion batteries 1 for 30 cm, 2 for 50 cm and 3 for 80 cm diameter.
Design & Copyright	Studio FPM
Trademark	OPTIM-AL



OPTIM•AL

10
Year



Guarantee

Energy

Product Code

OPDREFE2400N34565UKEU
OPDREFE2400N34565MSUKEU
OPDREFE2400N34565EMUKEU
OPDREFE2400N34565EMMSUKEU

DREADNOUGHT Diecast Aluminium body

BULKHEAD FULL

Guarantee Insured 10 years; batteries 3 year rating/ 3 year performance

Body Die cast in 'thin wall' stainless steel 304

Energy Label E

Lumens 2400

Watts Watts 20, lumens/watt 120

CCT 3/4/5/6K switchable

CRI 80

Dimensions 350mm dia x 107mm

Types On-off; plus micro-wave sensor; or emergency 3 hour Lithium Ion batteries; battery life rating 3 years

Service Life 60000 hours

Certifications TUV, CE, Rohs, SELV, UKCA, Recolight

Uses Retail warehouse, industrial, exterior office, residential, general

IP/IK IP65/IK10

Driver PF 95

Design & Copyright Studio FPM

Trademark OPTIM•AL



OPTIM•AL

10
Year



Guarantee Energy

Product Code

OPDREHE240020N34565UKEU
OPDREHE240020N34565MSUKEU
OPDREHE240020N34565EMUKEU
OPDREHE240020N34565EMMSUKEU

DREADNOUGHT Diecast Aluminium body BULKHEAD HALF

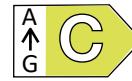
Guarantee	Insured 10 years; batteries 3 year rating/ 3 year performance
Body	Die cast in 'thin wall' stainless steel 304
Energy Label	E
Lumens	2400
Watts	Watts 20, lumens/watt 120
CCT	3/4/5/6K switchable
CRI	80
Dimensions	350mm dia x 107mm
Types	On-off; plus micro-wave sensor; or emergency 3 hour Lithium Ion batteries; battery life rating 3 years
Service Life	60,000 Hours
Certifications	UKCA CE RoHS SELV Recolight
Uses	Retail warehouse, industrial, exterior office, residential, general
IP/IK	IP65/IK10
Driver	PF 95
Design & Copyright	Studio FPM
Trademark	OPTIM•AL

Energy Saving Projector

OPTIM•AL



10
Year



Guarantee Energy

Product Code

OPPROTRACC24003N159003UKEU
OPPROTRACC24003N159004UKEU
OPPROTRACC24003N15POLUKEU

FIXED BEAM TRACK

Powder painted aluminium or polished and natural anodized aluminium White RAL 9003 and Black RAL 9004

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label C

Lumens 2400, 160 lumens/watt

Watts 15 watts, 230 volts

CCT 3000K with 2-Step MacAdam

CRI 90

Beam angle 15 degrees, super optic lenses

Driver Tridonic, PF 97 Non dimmable, 97-277v

Certificate VDE, TUV, CE, Rohs, Recolight, NEMCO, UL, CUL, UKCA
ISO 9001, ISO 14001, SEDEX, SMETA

Dimensions 180mm long, 90mm dia.

Service Life 60,000 hours /10 years

Uses Retail, Museums, Showrooms

IP 54

Euro track 4 channels, 1 or 2 metres

Patented UK/EU/USA convection cooling – Allom Cool Head Technology™

Design Studio FPM

Trademark OPTIM•AL

Energy Saving Projector

OPTIM•AL



10
Year



Guarantee Energy

Product Code

OPPROTRACC24003N249003UKEU
OPPROTRACC24003N249004UKEU
OPPROTRACC24003N24POLUKEU

FIXED BEAM TRACK

Powder painted aluminium or polished and natural anodized aluminium White RAL 9003 and Black RAL 9004

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label C

Lumens 2400, 160 lumens/watt

Watts 15 watts, 230 volts

CCT 3000K with 2-Step MacAdam

CRI 90

Beam angle 24 degrees, super optic lenses

Driver Tridonic, PF 97 Non dimmable, 97-277v

Certificate VDE, TUV, CE, Rohs, Recolight, NEMCO, UL, CUL, UKCA
ISO 9001, ISO 14001, SEDEX, SMETA

Dimensions 180mm long, 90mm dia.

Service Life 60,000 hours /10 years

Uses Retail, Museums, Showrooms

IP 54

Euro track 4 channels, 1 or 2 metres

Patented UK/EU/USA convection cooling – Allom Cool Head Technology™

Design Studio FPM

Trademark OPTIM•AL

Energy Saving Projector

OPTIM•AL



10
Year



Guarantee Energy

Product Code

OPPROTRACC24003N369003UKEU
OPPROTRACC24003N369004UKEU
OPPROTRACC24003N36POLUKEU

FIXED BEAM TRACK

Powder painted aluminium or polished and natural anodized aluminium White RAL 9003 and Black RAL 9004

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label C

Lumens 2400, 160 lumens/watt

Watts 15 watts, 230 volts

CCT 3000K with 2-Step MacAdam

CRI 90

Beam angle 36 degrees, super optic lenses

Driver Tridonic, PF 97 Non dimmable, 97-277v

Certificate VDE, TUV, CE, Rohs, Recolight, NEMCO, UL, CUL, UKCA
ISO 9001, ISO 14001, SEDEX, SMETA

Dimensions 180mm long, 90mm dia.

Service Life 60,000 hours /10 years

Uses Retail, Museums, Showrooms

IP 54

Euro track 4 channels, 1 or 2 metres

Patented UK/EU/USA convection cooling – Allom Cool Head Technology™

Design Studio FPM

Trademark OPTIM•AL

Energy Saving Projector



OPTIM•AL

10
Year



Guarantee Energy

Product Code

OPPPROCL24003N159003UKEU

OPPPROCL24003N159004UKEU

OPPPROCL24003N15POLUKEU

**FIXED BEAM
CEILING PLATE** Powder painted aluminium or polished and natural anodized aluminium White RAL 9003 and Black RAL 9004

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label C

Lumens 2400, 160 lumens/watt

Watts 15 watts, 230 volts

CCT 3000K with 2-Step MacAdam

CRI 90

Beam angle 15 degrees, super optic lenses

Driver Tridonic, PF 97 Non dimmable, 97-277v

Certificate VDE, TUV, CE, Rohs, Recolight, NEMCO, UL, CUL, UKCA
ISO 9001, ISO 14001, SEDEX, SMETA

Dimensions 180mm long, 90mm dia.
Ceiling plate 120mm dia., with rapid 3 pole connector
Cut out 100mm dia.

Service Life 60,000 hours /10 years

Uses Retail, Museums, Showrooms

IP 54

Patented UK/EU/USA convection cooling – Allom Cool Head Technology™

Design Studio FPM

Trademark OPTIM•AL

Energy Saving
Projector



OPTIM•AL

10
Year



Guarantee Energy

Product Code

OPPPROCL24003N249003UKEU

OPPPROCL24003N249004UKEU

OPPPROCL24003N24POLUKEU

**FIXED BEAM
CEILING PLATE**

Powder painted aluminium or polished and natural anodized aluminium White RAL 9003 and Black RAL 9004

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label C

Lumens 2400, 160 lumens/watt

Watts 15 watts, 230 volts

CCT 3000K with 2-Step MacAdam

CRI 90

Beam angle 24 degrees, super optic lenses

Driver Tridonic, PF 97 Non dimmable, 97-277v

Certificate VDE, TUV, CE, Rohs, Recolight, NEMCO, UL, CUL, UKCA
ISO 9001, ISO 14001, SEDEX, SMETA

Dimensions 180mm long, 90mm dia.
Ceiling plate 120mm dia., with rapid 3 pole connector
Cut out 100mm dia.

Service Life 60000 hours /10 years

Uses Retail, Museums, Showrooms

IP 54

Patented UK/EU/USA convection cooling – Allom Cool Head Technology™

Design Studio FPM

Trademark OPTIM•AL

Energy Saving
Projector



OPTIM•AL

10
Year



Guarantee Energy

Product Code

OPPPROCL24003N369003UKEU

OPPPROCL24003N369004UKEU

OPPPROCL24003N36POLUKEU

**FIXED BEAM
CEILING PLATE**

Powder painted aluminium or polished and natural anodized aluminium White RAL 9003 and Black RAL 9004

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label C

Lumens 2400, 160 lumens/watt

Watts 15 watts, 230 volts

CCT 3000K with 2-Step MacAdam

CRI 90

Beam angle 36 degrees, super optic lenses

Driver Tridonic, PF 97 Non dimmable, 97-277v

Certificate VDE, TUV, CE, Rohs, Recolight, NEMCO, UL, CUL, UKCA
ISO 9001, ISO 14001, SEDEX, SMETA

Dimensions 180mm long, 90mm dia.
Ceiling plate 120mm dia., with rapid 3 pole connector
Cut out 100mm dia.

Service Life 60000 hours /10 years

Uses Retail, Museums, Showrooms

IP 54

Patented UK/EU/USA convection cooling – Allom Cool Head Technology™

Design Studio FPM

Trademark OPTIM•AL



Photography: Elizabeth Brown

Photographed at Woolsthorpe Manor, the birthplace of Sir Isaac Newton with the actual tree in the background courtesy of the National Trust.

Isaac Newton (1643 - 1727)



Newton was an English physicist and mathematician and the greatest scientist of his era.

Isaac Newton was born on 4 January 1643 at Woolsthorpe Manor, Lincolnshire. In 1661, he went to Cambridge University where he became interested in mathematics, optics, physics and astronomy. In October 1665 a plague epidemic forced the university to close and Newton returned to Woolsthorpe Manor. The two years he spent there were an extremely productive time during which he began to think about gravity, and also devoted time to optics and mathematics.

In 1667 Newton returned to Cambridge, where he became a Fellow of Trinity College. It was Newton's reflecting telescope, made in 1668, that finally brought him to the attention of the scientific community and in 1672 he was made a Fellow of the Royal Society. From the mid 1660's Newton conducted a series of experiments on the composition of light, discovering that white light is composed of the same system of colours that can be seen in a rainbow and establishing the modern study of optics. In 1704 Newton published 'The Opticks' which dealt with light and colour.

However, in 1687, with the help of the astronomer Edmond Halley, Newton published his single greatest work, the 'Philosophiae Naturalis Principia Mathematica' ('Mathematical Principles of Natural Philosophy'). This showed how a universal force, gravity, applied to all objects in all parts of the universe.

In 1703 he was elected President of the Royal Society, an office he held until his death. He died on 31 March 1727 and was buried in Westminster Abbey. He was 84 years old.





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Year



Guarantee

Energy

Product Code

OPNEWT804B11103D60UKEU

NEWTON

804

Guarantee 10 years warranted and insured by Lloyd's of London

Energy Label C

Watts 8 Watts

Lumens 1280

Lumens per Watt 160

CCT 3000K

CRI 90

Dimensions Arms both 360mm

Service Life 60,000 hours

Beam Angle 7 x (2 x 30°) TIR reflectors (60°) super reflective

Dimmable Dimmable

Driver 10 Watt Universal Driver 97-277v dimmable

Materials Hand polished top grade Australian aircraft aluminium head clear lacquered and base plated, arms anodised

Certifications UKCA, UL, CE, VDE and TUV

Patented UK, EU, USA.

Design Giancarlo Fassina and Carlo Forcolini, Studio FPM patented head with convection cooling UK, EU, USA

Trademark OPTIM•AL

Newton

OPTIM•AL



10
Year

Guarantee

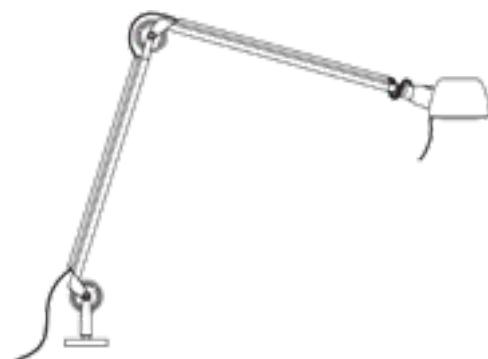


Energy

Product Code



804 36 in
mini desk top
£ 355
OPNEWT804IN36B11103D60UKEU



804 36 out
mini desk top
£ 355
OPNEWT804OUT36B11103D60UKEU



805 46 in
desk top
£ 375
OPNEWT805IN46B11103D60UKEU



805 46 out
desk top
£ 375
OPNEWT805OUT46B11103D60UKEU

Newton

OPTIM•AL



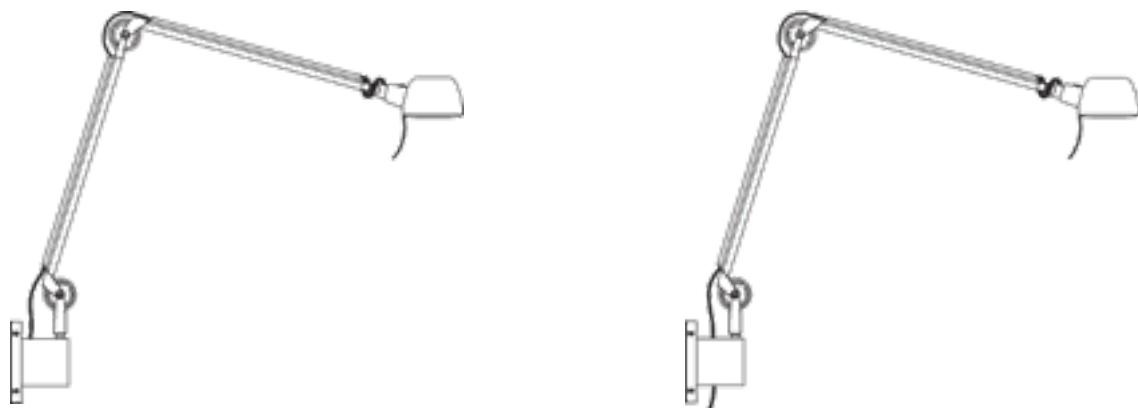
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Year

Guarantee



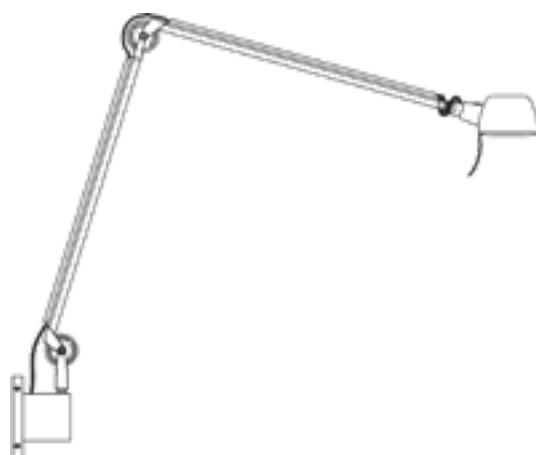
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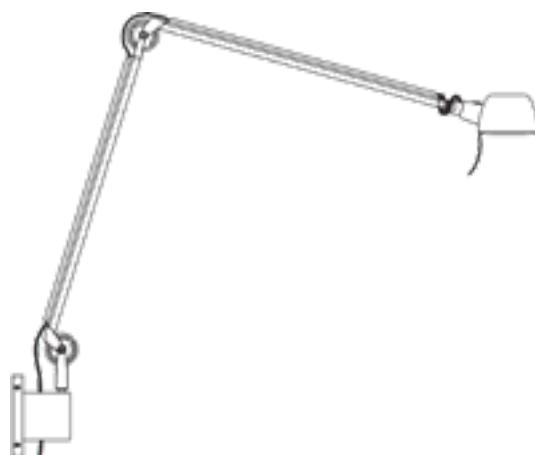


803 36 in
wall two arm
£ 365
OPNEWT803IN36B11103D60UKEU

803 36 out
wall two arm
£ 365
OPNEWT803OUT36B11103D60UKEU



803 46 in
wall two arm
£ 395
OPNEWT803IN46B11103D60UKEU



803 46 out
wall two arm
£ 395
OPNEWT803OUT46B11103D60UKEU

Newton

OPTIM•AL



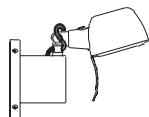
10
Year

Guarantee

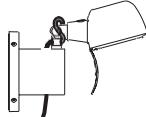


Energy

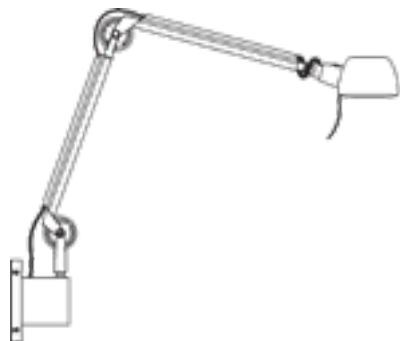
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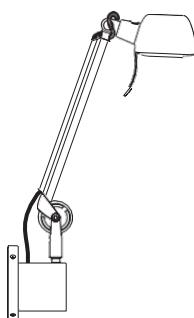
800 in
wall
£ 295
OPNEWT800INB11103D60UKEU



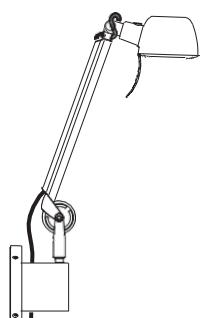
800 out
wall
£ 295
OPNEWT800OUTB11103D60UKEU



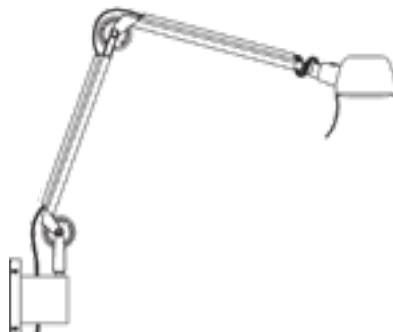
802 25 in
two arm
£ 345
OPNEWT802INB11103D60UKEU



801 in
wall one arm
£ 325
OPNEWT801INB11103D60UKEU



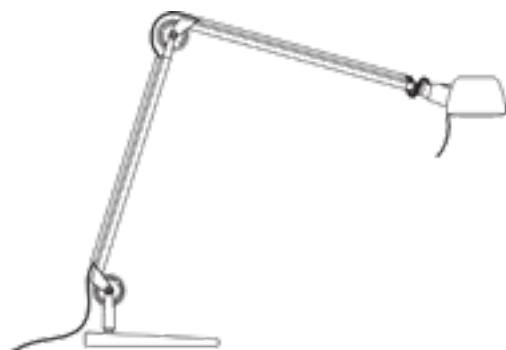
801 out
wall one arm
£ 325
OPNEWT801OUTB11103D60UKEU



802 25 out
wall two arm
£ 345
OPNEWT802OUTB11103D60UKEU

Newton

OPTIM•AL



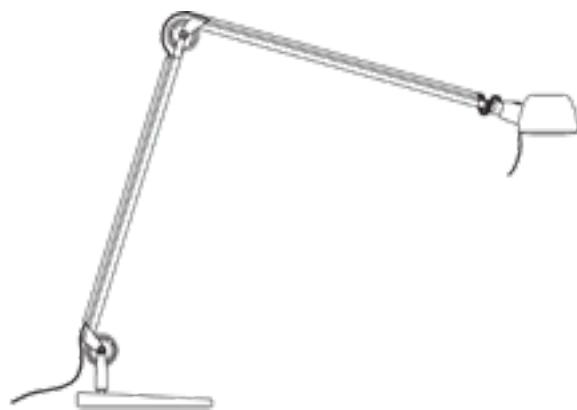
804 36

Mini table

£ 395

OPNEWT804B11103D60UK

OPNEWT804B11103D60EU



805 46

Table

£ 425

OPNEWT805B11103D60UK

OPNEWT805B11103D60EU



806 100 46

Floor

£ 495

OPNEWT806B11103D60UK

OPNEWT806B11103D60EU

10
Year



Guarantee

Energy

Product Code

EVCP.



Electrical Vehicle Charging Point



Guarantee

- 2 x 22kw, 2 x 55kw and 2 x 110kw AC 3 phase twin sockets and card readers
- RFID card/fob via OCCP management systems
- IP67 all weathers
- IK10 very robust structure with black nylon dampening seals and black nylon ribbon strips to all edges to dampen vibration
- 8 year guarantee, insured and certificated by Lloyds of London
- BSI tested and certificated, UKAL, CE, VDE, TUV, (UL and CUL later if required)
- 1300mm high x 420mm wide and 270mm deep
- Two Stainless Steel 304 pressed top and ribbed base plates 3mm thick to connect to the NAL inground
- Stainless Steel 304 body with many cutouts and welds for NAL fixing with 2 x M10 hexagon head bolts meter, 1 x twin card reader and 2x Mennekes charging sockets.
- Access panel covers 650mm high and 300mm wide to cover hole 600mm high and 250mm wide with black nylon ribbon 1mm thick all round inside of panel cover, secured with 8 x M8 stainless steel 304 bolts coated in black oxide & TORX security socket heads.
- E/driver Pay-to-charge smartphone integration
- Built in AC overload protection
- On board RFID readers and GPRS modem with antenna and ethernet connections
- OCCP-6 compliant, can integrate with any back office and remote firmware updates
- Type 2 (IEC 62196) 3 phase sockets c/w security hatchlocks
- Smart App/RFID controlled Mode 3 (IEC 61851-1) fast charging
- Painted with titanium epoxy powder RAL 9004, other colours by arrangement, on top of silicon dioxide
- Total of 52 TORX socket head M8 bolts, complete assembly with free issue TORX head wrenches



Charging Socket(s): 2 x IEC 62196-2 (Type 2) with illumination

Rated system output:

- 3.6 kW (16A), 7.2 kW (32A), and 22 kW
- Standby power consumption < 7w per socket

Input Voltage: 400V AC/50Hz (Single phase)

Overload & Fault Current Protection:

- Built in AC overload & Fault current protection (RCBO)
- Built in 6mA DC leakage protection
- Lightening surge protection
- TruePEN PME fault detection
- Support for dynamic load balancing & static load management
- Over-air software update/monitoring,
- Over temperature protection.

Street Connection: 5 x 50mm 3P + N + E

Energy Monitoring:

- Built in class 1 MID compliant kWh meter,
- Built in time clock for charge time management.

Charging Mode: IEC 61851-1 Mode 3

User interfacing:

- Plug and Charge Mobile App & RFID controlled
- Contactless payment systems interface
- Integrated RFID & GUI system panel

Communications:

- 4G LTE Cat-1
- Wi-Fi
- Ethernet connectivity
- Bluetooth BLE 4.1
- Encryption level TLS 1.2
- Open source card readers

Compliance:

OCPP compliant

BS 7671:2018 - SECTION 722 compliant.

Products - All with 10 year guarantee

Series S		Series 30	
S	Wall and ceiling light	31	Wall and ceiling light
FS	Single floor light	31T	Tronic wall and ceiling light
FS2	Twin floor light	31/50	Ceiling light
SS	Wall and ceiling light	31/2x50	Twin ceiling light
FSS	Single floor light	33/50	Single footlight
FSS2	Twin floor light	33/2x50	Twin footlight
Series A		Series 40	
A	Wall and ceiling light	41	Wall and ceiling light
A/SW	Switched wall light	41/2	Twin ceiling light
TA	Table light	41/4/1m	Four lamp ceiling light
FA	Single floor light	41/6/1.5m	Six lamp ceiling light
FA2	Twin floor light		
Series 20		Series 200	
21	Wall and ceiling light	201	Wall and ceiling light
21T	Tronic wall and ceiling light	201/SW	Switched wall light
21/50	Single ceiling light	201/2	Twin ceiling light
21/2x50	Twin ceiling light	201/3	Triple ceiling light
23/50	Single footlight	201/4	Four lamp ceiling light
23/2x50	Twin footlight	201/6/1.5m	Six lamp ceiling light
25/50	Table light	205	Table light
26/50	Floor light	206	Floor light
Downlights		GU10	
Downlight	IP20 Ceiling light	GU10	5 or 7 watt, dim or non dim
Downlight	IP65 Bathroom light	GU10	8.5, 1110 lumen, 63mm diameter

**S**

Ceiling or wall light made from aircraft grade hand polished anodised aluminium

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label F

Lumens 1275

Watts 15

Lumen/Watts 85

Dimensions 150mm projection

Weight 305 grams

Lamp R95 LED

CCT 3000K

CRI 80

Beam angle 120 degrees

Certificate UKCA, CE, RoHS, Recolight

Trade mark AL

Design Peter Nelson

**FS** **Single floor light**

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	1390mm height
Weight	3700 grams
Lamp	R95 LED
CCT	3000K
CRI	80
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

**FS2** **Twin floor light**

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	1390mm height
Weight	3950 grams
Lamp	R95 LED
CCT	3000K
CRI	80
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

Series A



A

Ceiling light

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	150mm projection
Weight	360 grams
Lamp	R95 R95 LED
Beam angle	35 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

Series A

**A/SW** **Wall light**

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	150mm projection
Weight	360 grams
Lamp	R95 R95 LED
Beam angle	35 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

Series A

**TA** **Table lamp**

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	550mm height
Weight	1850 grams
Lamp	R95 LED
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

Series A

AL



FA Single floor light

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	1390mm height
Weight	3850 grams
Lamp	R95 LED
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

AL

Series A



FA2 Twin floor light

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	F
Lumens	1275
Watts	15
Lumen/Watts	85
Dimensions	1390mm height
Weight	4250 grams
Lamp	R95 LED x 2
Beam angle	120 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson



21	Ceiling or wall light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	140mm projection
Weight	210 grams
Lamp	GU5.3 MR16 LED 12V
CCT	3000K
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

**21T**

Ceiling or wall light made from aircraft grade hand polished anodised aluminium

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label G

Lumens 690

Watts 9

Lumen/Watts 77

Dimensions 140mm projection

Weight 355 grams

Lamp GU5.3 MR16 LED 12V

CCT 3000K

CRI 90

Beam angle 36 degrees

Certificate UKCA, CE, RoHS, Recolight

Trade mark AL

Design Peter Nelson



21/50	Ceiling or wall light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	180mm projection
Weight	900 grams
Lamp	GU5.3 MR16 LED 12V
CCT	3000K
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson



21 2x 50 **Ceiling or wall light made from aircraft grade hand polished anodised aluminium**

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label G

Lumens 690

Watts 9

Lumen/Watts 77

Dimensions 220mm projection

Weight 1613 grams

Lamp GU5.3 MR16 LED 12V

CCT 3000K

CRI 90

Beam angle 36 degrees

Certificate UKCA, CE, RoHS, Recolight

Trade mark AL

Design Peter Nelson

Series 20

**23/50** **Single footlight**

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label G

Lumens 690

Watts 9

Lumen/Watts 77

Dimensions 180mm height

Weight 1226 grams

Lamp GU 5.3

CCT 3000k

CRI 90

Beam angle 36 degrees

Certificate UKCA, CE, RoHS, Recolight

Trade mark AL

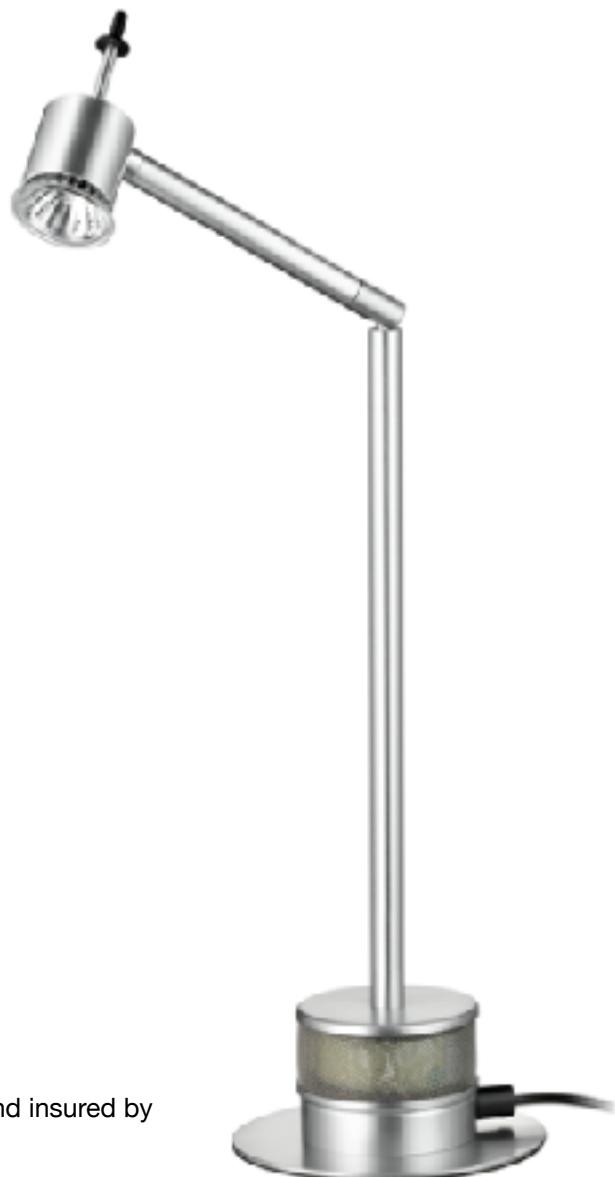
Design Peter Nelson

Series 20

**23/2x50 Double footlight**

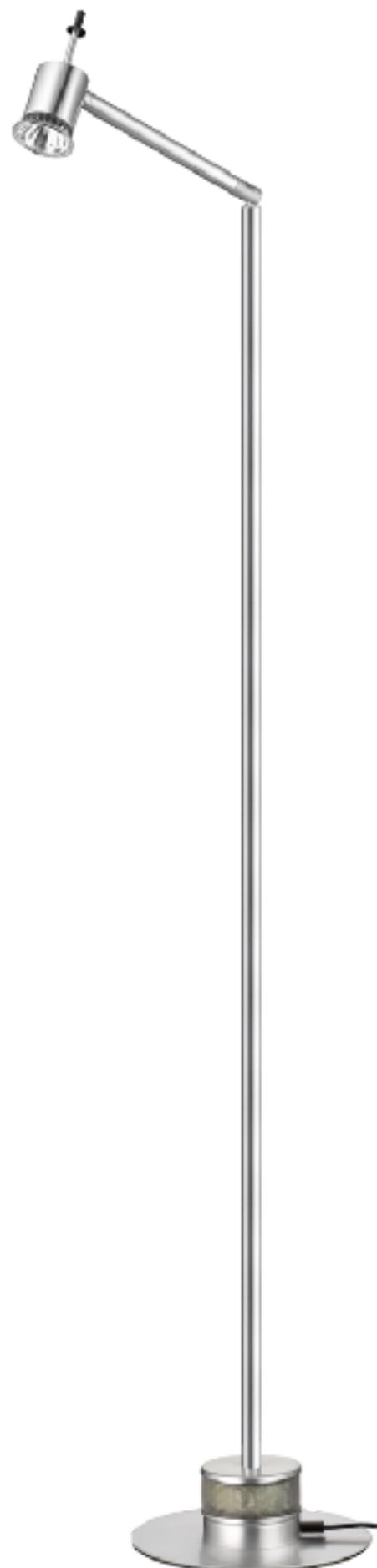
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	220mm height
Weight	1900 grams
Lamp	GU5.3 MR16 LED 12V
CCT	3000k
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

Series 20

**25/50** **Table light**

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	575mm height
Weight	1400 grams
Lamp	GU 5.3MR16 LED 12V
CCT	3000k
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

Series 20

**26/50** **Floor light**

Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	690
Watts	9
Lumen/Watts	77
Dimensions	1275mm height
Weight	1650 grams
Lamp	GU 5.3 MR16 LED 12V
CCT	3000k
CRI	90
Beam angle	36 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson



31 Ceiling or wall light made from aircraft grade hand polished anodised aluminium

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label G

Lumens

Watts 8

Lumen/Watts 7

Dimensions 130mm projection

Weight 230 grams

Lamp: R15d AR30 LED 12V reflector

2021-2022

SBI 22

Parameters

Beam angle ± 3 degrees

Statement

Trade mark A



31T	Ceiling or wall light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	540
Watts	8
Lumen/Watts	68
Dimensions	130mm projection
Weight	410 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	25 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

Series 30



31/50	Ceiling or wall light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	540
Watts	8
Lumen/Watts	68
Dimensions	170mm projection
Weight	955 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	25 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

Series 30



31/2 x 50	Ceiling or wall light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	540
Watts	8
Lumen/Watts	68
Dimensions	220mm projection
Weight	1615 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	24 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

**41****Ceiling or wall light made from aircraft grade hand polished anodised aluminium****Guarantee** 10 years warranted and insured by Lloyd's of London**Energy label** G**Lumens** 540**Watts** 14-8**Lumen/Watts** 60**Dimensions** 100mm projection**Weight** 220 grams**Lamp** AR111 AR70 LED 12V reflector**CCT** 3000k**CRI** 90**Beam angle** 24 degrees**Certificate** UKCA, CE, RoHS, Recolight**Trade mark** AL**Design** Peter Nelson



41/2	Ceiling or wall light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	888
Watts	14-8
Lumen/Watts	60
Dimensions	170mm width
Weight	445 grams
Lamp	AR111 AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	24 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson



41/4	Ceiling or wall light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	888
Watts	14-8
Lumen/Watts	60
Dimensions	1000mm width
Weight	1370 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	24 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson



41/6	Ceiling or wall light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	888
Watts	14-8
Lumen/Watts	60
Dimensions	1500mm width
Weight	2000 grams
Lamp	B15d AR70 LED 12V reflector
CCT	3000k
CRI	90
Beam angle	24 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

**201****Wall and ceiling light made from aircraft grade hand polished anodised aluminium**

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label G

Lumens 1110

Watts 8.5

Lumen/Watts 130

Dimensions 150mm projection

Weight 215 grams

Lamp GU10 63mm dia LED

CCT 3000k

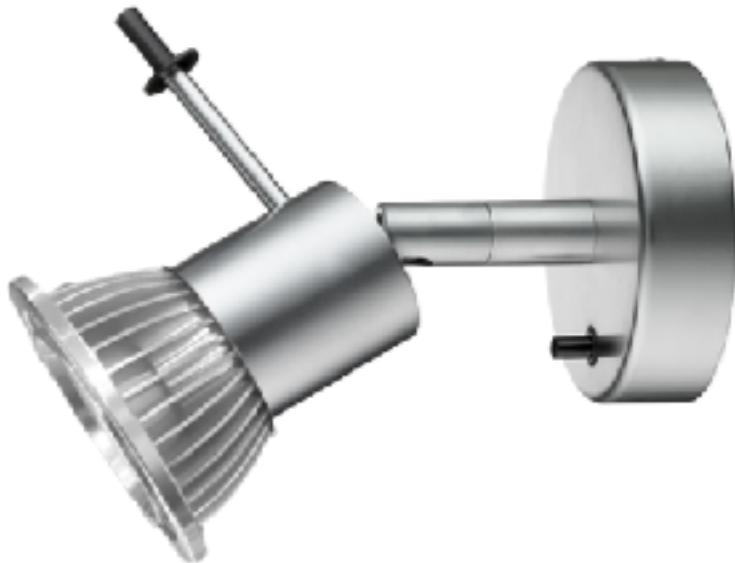
CRI 90

Beam angle 38 degrees

Certificate UKCA, CE, RoHS, Recolight

Trade mark AL

Design Peter Nelson

**201/SW**

Switched wall light made from aircraft grade hand polished anodised aluminium

Guarantee

10 years warranted and insured by Lloyd's of London

Energy label

G

Lumens

1110

Watts

8.5

Lumen/Watts

130

Dimensions

150mm projection

Weight

220 grams

Lamp

GU10 63mm dia LED

CCT

3000k

CRI

90

Beam angle

38 degrees

Certificate

UKCA, CE, RoHS, Recolight

Trade mark

AL

Design

Peter Nelson

**201/2**

Twin ceiling light made from aircraft grade hand polished anodised aluminium

Guarantee

10 years warranted and insured by Lloyd's of London

Energy label

G

Lumens

1110

Watts

8.5

Lumen/Watts

130

Dimensions

170mm projection

Weight

435 grams

Lamp

GU10 63mm dia LED

CCT

3000k

CRI

90

Beam angle

38 degrees

Certificate

UKCA, CE, RoHS, Recolight

Trade mark

AL

Design

Peter Nelson



201/3	Triple ceiling light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	280mm width
Weight	620 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson



201/4 **Four spot ceiling light made from aircraft grade hand polished anodised aluminium**

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label G

Lumens 1110

Watts 8.5

Lumen/Watts 130

Dimensions 1000mm width

Weight 1350 grams

Lamp GU10 63mm dia LED

CCT 3000k

CRI 90

Beam angle 38 degrees

Certificate UKCA, CE, RoHS, Recolight

Trade mark AL

Design Peter Nelson



201/6 **Six spot ceiling light made from aircraft grade hand polished anodised aluminium**

Guarantee 10 years warranted and insured by Lloyd's of London

Energy label G

Lumens 1110

Watts 8.5

Lumen/Watts 130

Dimensions 1500mm width

Weight 1970 grams

Lamp GU10 63mm dia LED

CCT 3000k

CRI 90

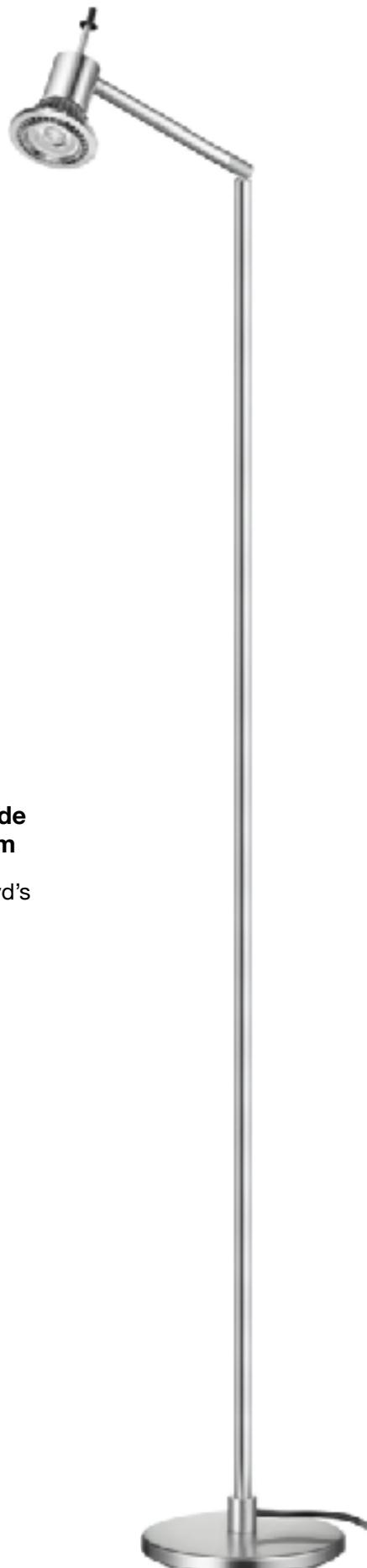
Beam angle 38 degrees

Certificate UKCA, CE, RoHS, Recolight

Trade mark AL

Design Peter Nelson

**205****Table light made from aircraft grade hand polished anodised aluminium****Guarantee** 10 years warranted and insured by Lloyd's of London**Energy label** E**Lumens** 1110**Watts** 8.5**Lumen/Watts** 130**Dimensions** 690mm height**Weight** 2180 grams**Lamp** GU10 63mm dia LED**CCT** 3000k**CRI** 90**Beam angle** 38 degrees**Certificate** UKCA, CE, RoHS, Recolight**Trade mark** AL**Design** Peter Nelson



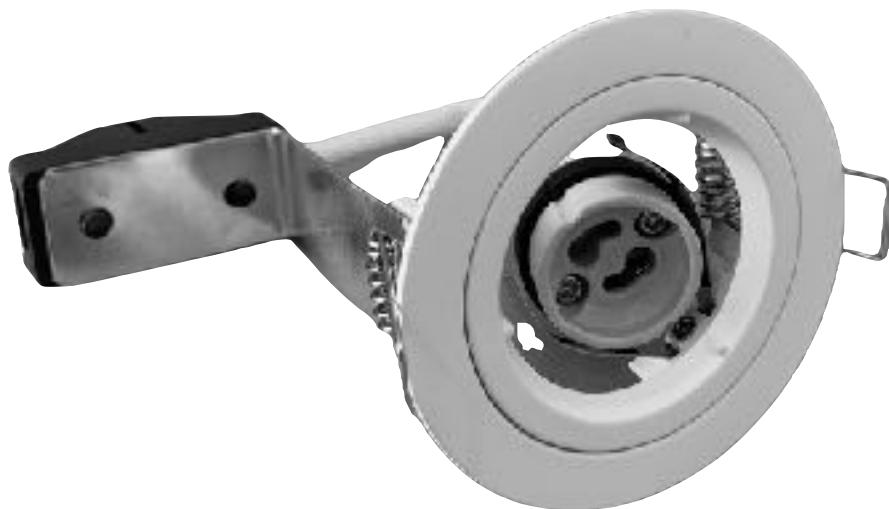
206	Floor light made from aircraft grade hand polished anodised aluminium
Guarantee	10 years warranted and insured by Lloyd's of London
Energy label	G
Lumens	1110
Watts	8.5
Lumen/Watts	130
Dimensions	1450mm height
Weight	3605 grams
Lamp	GU10 63mm dia LED
CCT	3000k
CRI	90
Beam angle	38 degrees
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Design	Peter Nelson

Downlight



Downlight Round white bathroom downlight

Guarantee	10 years warranted and insured by Lloyd's of London
Lumens	450 or 630
Watts	5 or 7 GU10 dim or non-dim
Dimensions	Dia. 85mm, Height 73mm
Cut out	75mm
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL
Glass	Clear or Opal
IP	65, Bathroom

Downlight**Downlight****Fixed downlight - white**

Guarantee 10 years warranted and insured by Lloyd's of London

Dimensions Dia. 80mm,
Silicon 15cm cable, metal strip:
Terminal block and GU10 holder

Cut out 70mm

Certificate UKCA, CE, RoHS, Recolight

Trade mark AL

IP 20, general use

GU10**AL****GU10****Dim or non-dim**

Guarantee	10 years warranted and insured by Lloyd's of London
Lumens	450 or 630
Energy label	F
Watts	5 or 7
CCT	3000K
CRI	80
Dimensions	Dia. 50mm, Height 55.5mm
Service Life	50,000 hours
Beam angle	38 degrees
Dimmable	Non dim or dimmable use Varilight V-Pro 300watt
Certificate	UKCA, CE, RoHS, Recolight
Trade mark	AL

"that which is not worth doing,
is not worth doing well"

Warren Buffett

Allom Architectural Lighting