



AcuityBrands.
Expanding the boundaries of lighting™

LED Luminaires

OPTIMAL
EFFICIENCY
LED

PATENT PENDING
REGISTERED EUROPEAN DESIGN







For over 120 years the name Holophane has enjoyed an enviable reputation throughout the world for expertise, quality and innovation in lighting. From the earliest days when the company pioneered its famous glass refractor, the Holophane name has been ever present as a leader in the field of luminaire and lighting design.

In today's environment, where landscape lighting, modern architecture and public space projects predominate, the Holophane name remains synonymous with quality design, high performance, low maintenance and cost-effective lighting.

Incorporating interior, exterior, amenity, road, rail and floodlighting luminaires alongside our control solutions, Holophane's product range is suitable for today's demanding, environmentally conscious world, offering lowest total cost of ownership, engineering quality, cutting-edge design and outstanding optical performance. Holophane, part of the Acuity Brands group, provides a comprehensive range of professional lighting services which offer advice and support on all types of professional lighting projects.

contents

High bay lighting

Haloprism™	8
Vantage® LED	10
IBH	12
Prismaspace™	14
DC Rack	16

Ceiling mounts & bulkheads

D-Series Parking Garage	20
HF LED	22
Denver™ Elite Wall	24
Prismashield™ Elite	26
Atlanta™	28
Parkpack®	30

Street & tunnel

V-Max™	34
FACTOR™ + FACTOR™ Small	36
High Mast Advanced Optix	38
T-Max™	40
Metrolux™	42
Widerlite™	44

Amenity

D-Series	48
Denver™ Elite Pole	50
Aeris® Medium	52
Vista™ Junior	54
Denver™ Elite Bollard	56

Architectural

Walk Over	60
Drive Over	60
Underwater	60
Floodlight	61
Bollards	61
Post Top	61
Wall Mount	62
Wall Recessed	62
Ceiling Recessed	62
Contact details	64





Practical Innovation

Extraordinary Concepts. Practical Benefits.

Holophane is at the forefront of the digital transformation. We are leading the charge and creating the change: innovating and harnessing lighting technologies to develop some of the most desired products in the world.

We are driving the integration of indoor and outdoor lighting, digital controls; creating an ecosystem of products that is incredibly smart, and yet so elegantly simple to install, commission and use. For us, the development of new lighting technologies such as LED and wireless controls systems is not the final destination; it is the everyday road we travel so we can deliver innovative, exciting and practical solutions that address our customers' needs.

Customers desire a quality of light that translates into visual comfort and promotes human interaction. They want advanced technologies and more design choices. They also want more sustainable solutions. So we endeavour to create not only extraordinary lighting solutions, but also enhanced life experiences. Our intensely innovative mindset is pushing the human quality of light to new horizons.

Quality

Engineered Lighting. Enhanced Living.

An advanced, high-performance luminaire should not only be energy efficient, it should also produce the best quality light.

Holophane has dramatically raised the bar, and customer expectations, as it relates to the quality of LED lighting. Every factor, from the colour rendering index (CRI), colour temperature and colour consistency, to lumen output and heat management, is important to the quality of lighting, and all dependent upon specific applications.

Holophane develops and participates in the installation of a vast array of indoor and outdoor applications with unique quality needs, including: schools and university campuses; highways streets and walkways; healthcare facilities; industrial manufacturing facilities, warehouses and distribution centres; retail stores; parking garages, national monuments, museums and libraries; and more.



The use of prismatic glass refractors help break up the image of the LEDs with a PrismGlow effect. This reduces the glare normally associated with individual LEDs and eliminates hotspots on the working environment.



high bay
lighting



Haloprism™



Vantage® LED



IBH



Prismaspace™



DC Rack



HALOPRISM

Performance through Technology – Taking high bay lighting to new levels of lumen output with superior light control. **Haloprism™** fuses the latest in LED technology with the distinguished dynamics of Holophane's durable prismatic glass optics. Combined to deliver the highest LED lumen package, longest system life and lowest maintenance high bay luminaire solution.



CONDUCTION

from led junction to luminaire heat-sink chassis



CONVECTION

from luminaire heat-sink chassis & driver electronics to ambient air



RADIATION

more active in ambient temperatures above 25°C

optics / light source

- > Available with 5 light distributions; Narrow, Focused, Intensive, Broad and Extensive
- > 4 lumen packages ranging from 20,000 to 55,000 lumens
- > 80CRI
- > 4000°K colour temperature
- > Fully soak tested high powered LEDs
- > Efficiencies of up to 131lpw

approvals

Complies with EN60598

IP IP20 luminaire, IP65 option* available. IP65 Optical Chamber

Ta -20°C to 50°C** with .WL2 option: -20°C to 40°C

CE

*Electrical termination (supplied with centre chamber extension and 2.5m 5-core flying lead)

**Projected life of the luminaire will vary

For further information please visit the Holophane website
www.holophane.co.uk

typical luminaire performance

Configuration	Delivered Lumens	Power Consumption (W)	Driver Current (mA)	Projected Life of LED Module (L70B50 @Tq 30°C)*
HAL.LM2048	c. 20000	147W	300mA	100,000+ hrs
HAL.LA2048	c. 20000	200W	700mA	100,000+ hrs
HAL.LM3048	c. 30000	247W	500mA	100,000+ hrs
HAL.LA3048	c. 30000	290W	525mA	100,000+ hrs
HAL.LM4048	c. 40000	360W	700mA	100,000+ hrs
HAL.LA4048	c. 40000	390W	700mA	100,000+ hrs
HAL.LM5548	c. 55000	460W	585mA	100,000+ hrs

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

applications

Factories
Warehouses
Aircraft Hangers
Exhibition areas
Gymnasiums

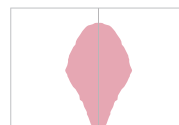
Large retail stores
Railway stations
Airports
Atria

weight (with control gear)

17.7kg

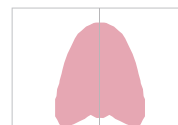
light distribution

Focused



SHR 0.7:1 to 0.9:1

Intensive



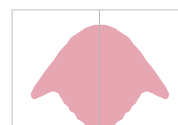
SHR 0.9:1 to 1.2:1

Narrow



SHR 0.9:1 to 1.3:1

Broad



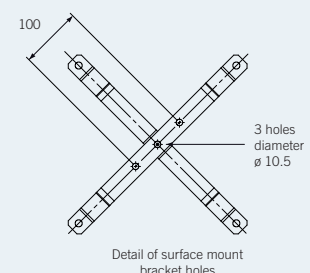
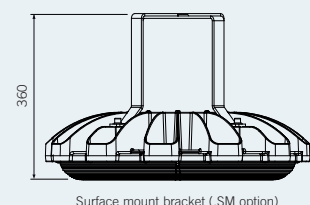
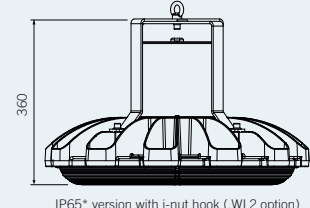
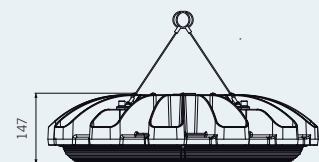
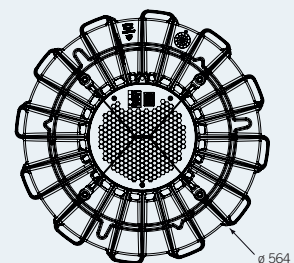
SHR 1.2:1 to 1.7:1

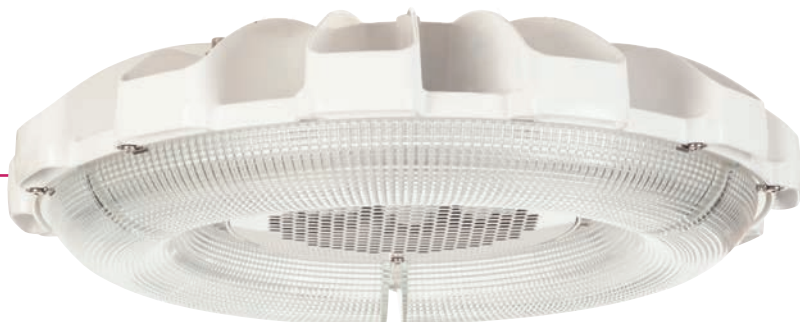
Extensive



SHR 1.7:1 to 2.2:1

dimensions in mm





ordering details – luminaire

Code	
HAL	Haloprism Luminaire
Code	Lamp Type (required)
.LM2048	LED light engine producing c.20,000 lm with a nominal 4000K colour temperature, 80CRI
.LA2048	LED light engine producing c.20,000 lm with a nominal 4000K colour temperature, 80CRI
.LM3048	LED light engine producing c.30,000 lm with a nominal 4000K colour temperature, 80CRI
.LA3048	LED light engine producing c.30,000 lm with a nominal 4000K colour temperature, 80CRI
.LM4048	LED light engine producing c.40,000 lm with a nominal 4000K colour temperature, 80CRI
.LA4048	LED light engine producing c.40,000 lm with a nominal 4000K colour temperature, 80CRI
.LM5548	LED light engine producing c.55,000 lm with a nominal 4000K colour temperature, 80CRI
Code	Light Distribution (required)
.FD	Focused Distribution (SHR 0.7:1 to 0.9:1)
.ID	Intensive Distribution (SHR 0.9:1 to 1.2:1)
.ND	Narrow Distribution (SHR 0.9:1 to 1.3:1)
.BD	Broad Distribution (SHR 1.2:1 to 1.7:1)
.ED	Extensive Distribution (SHR 1.7:1 to 2.2:1)
Code	Optics (option)
.FGL	Frosted glass lens (10% lumen depreciation on original luminaire output)
Code	Colour (required)
.C1	White RAL9016
.RAL****	RAL Colour (customer choice)
Code	Control gear (option)
.ANF	Analogue (0-10 volt DC) fast dim system
.D4	DALI (3 x DALI Addresses)
.CL7	Programmed to deliver 70% of the initial lumens over the life of the luminaire
.CL8	Programmed to deliver 80% of the initial lumens over the life of the luminaire
.CL9	Programmed to deliver 90% of the initial lumens over the life of the luminaire
Code	Inputs (option)
.WI	Integrated wireless node* (cannot be specified with any control gear options)
Code	Fixing Method (option)
.SM	Surface mounted (factory installed surface mount bracket)
Code	IP Rating (option)
.WL2	Wet location IP65** (supplied with centre chamber extension)
Code	Guard (option)
.WG	Wire guard
Code	Cable Entry (option)
.FL3	Supplied with 3m 5-core flying lead

Example

HAL .LM2048 .FD .FGL .C1 .ANF .WI .SM .WG .FL3

*Not available with option .WL2. **Electrical Termination (supplied with centre chamber extension and 2.5m 5-core flying lead).

TO SAVE LOTS OF MONEY?
SPEND A LITTLE MORE

Vantage® LED

Advanced Food-Safe Design

The **Vantage luminaire** helps to create safe, clean and usable environments while providing an effective and energy efficient lighting solution within demanding applications. Using the latest in optical, electronic and thermal management technologies, Holophane has designed a luminaire specifically for food processing and clean room environments.

features and benefits

Controlled optical performance

- > Fully sealed optical chamber with a single piece prismatic lens that maximises light output and controls glare
- > Two distributions developed using an LED system that ensures superior uniformity and maximises spacing

Sloped luminaire design

- > Design ensures water is allowed to run off the luminaire and that there is nowhere for food, dirt or debris to hide or accumulate

Complete light package

- > DALI compatible driver as standard option enabling dimming facility
- > Integrated 360° PIR available for mounting of 3 to 13m
- > Available with internal DC fuse to accept 170-275V DC. Luminaire will dim to 15% output when powered by VDC

Controlled optical performance

- > Fully sealed optical chamber with a single piece prismatic lens that maximises light output and controls glare
- > Two distributions developed using an LED system that ensures superior uniformity and maximises spacing

Sloped luminaire design

- > Design ensures water is allowed to run off the luminaire and that there is nowhere for food, dirt or debris to hide or accumulate

Complete light package

- > DALI compatible driver as standard option enabling dimming facility
- > Integrated 360° PIR available for mounting of 3 to 13m
- > Available with internal DC fuse to accept 170-275V DC. Luminaire will dim to 15% output when powered by VDC

optics / light source

- > Fully soak tested light engines ensuring LED reliability and eliminating infant mortality failures
- > 80 CRI
- > 4000°K colour temperature
- > Three lumen packages available (15,000, 22,000 & 28,000)
- > Fully sealed luminaire

approvals

Complies with EN60598

IP IP65 luminaire

Ta -20°C to 50°C

CE

For further information please visit the Holophane website www.holophane.co.uk

applications

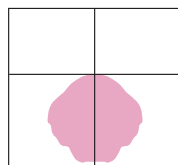
Food processing & handling	Chemical processing
Poultry & meat processing	Pharmaceutical plants
Beverage processing	Pet-food production
	Cold storage/ freezers

weight

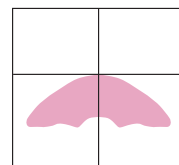
17kg

light distribution

Medium



Wide



typical luminaire performance

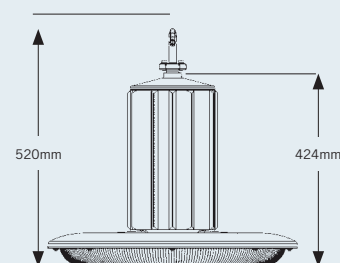
Configuration	Delivered Lumens†	Power Consumption (W)	Drive Current (mA)	Rated Life of LED Module (L70B50 @Tq 30°C)*
VAN.LA154	c. 15000	128	700mA	100,000+
VAN.LA224	c. 22000	188	700mA	100,000+
VAN.LA284	c. 28000	245	700mA	100,000+

Note: Data is correct at time of print.

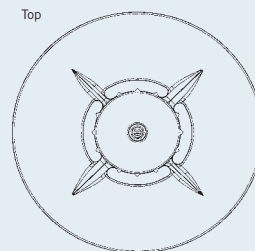
* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

† Based on the average of all the optical distribution options.

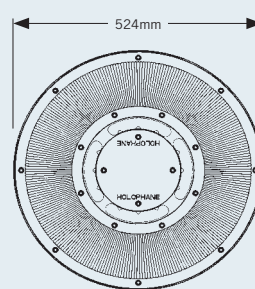
dimensions in mm



Top



Bottom





ordering details – luminaire

Code

VAN	Vantage LED						
	Code	Lamp Type (required)					
	.LA154	LED light engine producing c.15,000 lumens with a nominal 4000°K colour temperature					
	.LA224	LED light engine producing c.22,000 lumens with a nominal 4000°K colour temperature					
	.LA284	LED light engine producing c.28,000 lumens with a nominal 4000°K colour temperature					
	Code	Optics					
	.MD	Medium distribution (1.0:1 - 1.5:1)					
	.WD	Wide distribution (1.5:1 - 2.0:1)					
	Code	Colour (required)					
	.C1	Smooth White RAL9016					
	.RAL****	RAL Colour (customer choice)					
	Code	Control Gear (options)					
	.ANF	Analogue (1-10 volt) fast dim					
	.D4	DALI (interior)*					
	.CL7	Programmed to deliver 70% of the initial lumens over the life of the luminaire					
	.CL8	Programmed to deliver 80% of the initial lumens over the life of the luminaire					
	.CL9	Programmed to deliver 90% of the initial lumens over the life of the luminaire					
	Code	Inputs (options)					
	.WI	Integrated wireless node					
	Code	Photocell (options)					
	.PIRA	PIR (attached) for 360°, from 3m to 13m mounting heights					
	Code	Voltage (options)					
	.VDC	Luminaire supplied with internal DC fuse to accept 170-275 VDC. Luminaire will dim to 15% when powered by VDC					
Example	VAN	.LA154	.MD	.C1	.ANF	.WI	.PIRA .VDC

Standard with 3m 5-core (0.75mm conductor size) flying lead.

Note: Exclusions apply to specific options. These will be advised at time of quotation.

*1 x DALI address for LA154 version. 2 x DALI addresses for LA224 & LA284 versions.

accessories - motion sensors only with .ANF option

Code

HEL.PIR	Standalone high-bay PIR kit 20m analogue
----------------	--

The new **IBH LED** luminaire delivers a reliable, cost-effective lighting solution to a demanding market. We have leveraged years of experience to develop innovative lighting technologies that meet growing consumer demands for efficiency, reliability and positive environmental impact. IBH delivers peak performance, exceptional aesthetics, simple installation and easy maintenance.

features and benefits

Thermal management

- > Luminaire construction has been designed to move heat away from the LEDs and driver(s) to maximise luminaire life.

Exceptional optical performance

- > Bespoke reflectors that deliver two distributions (narrow and wide) to meet both horizontal and vertical light requirements.
- > Available with 6 lumen packages that are designed for a number of applications.

Complete lighting package

- > Can be integrated with DALI controls system. Option for a 1 & 3 hour integrated LED emergency. Attached PIR suitable for 360°, aisle and end of aisle, from 3 to 13 metres mounting heights.

Versatile lighting system

- > Available in 2 sizes, depending on lumen package, that can be suspended, surface mounted or attached directly to trunking.
- > Trunking available with T-joints, cross joint or corner joint allowing full on site flexibility.

optics / light source

- > Available with narrow and wide distributions to meet both horizontal and vertical light requirements
- > 80 CRI
- > 4000°K & 5000°K colour temperature
- > Six lumen packages available (9000, 15000, 18000, 24000, 30000 & 36000)

approvals

Complies with EN60598

IP IP20 luminaire

Ta up to 50°C

CE

For further information please visit the Holophane website www.holophane.co.uk

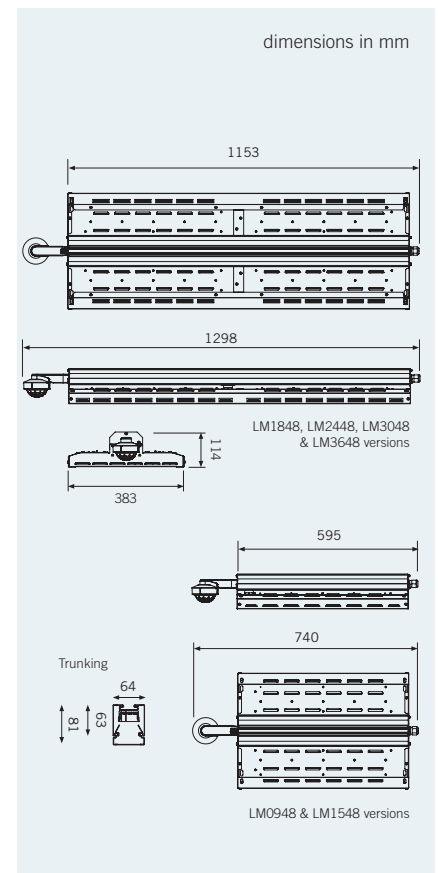
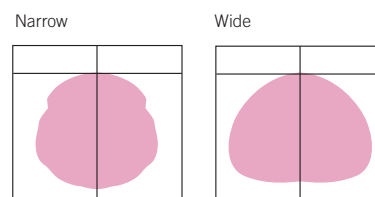
applications

Retail Environments
Warehousing
Convention Centres
Light Industrial
Commercial Environments

weight (with control gear)

LM09X8 & LM015X8 versions 5kg
LM24X8, LM30X8 & LM36X8 versions 10kg

light distribution



typical luminaire performance

Configuration	Delivered Lumens [†]	Power Consumption	Drive Current	Rated Life of LED Module (L70B50 @Tq 40°C)*
IBH.LM0948	c.8880	75W	400mA	100,000+ hrs
IBH.LM1548	c.14690	131W	700mA	100,000+ hrs
IBH.LM1848	c.17800	150W	400mA	100,000+ hrs
IBH.LM2448	c.24000	208W	560mA	100,000+ hrs
IBH.LM3048	c.30000	261W	700mA	100,000+ hrs
IBH.LM3648	c.36000	322W	365mA	100,000+ hrs

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

† Based on the average of all the optical distribution options.



ordering details – luminaire

Code

IBH IBH Luminaire

Code Lamp Type (required)

.LM0948	LED light engine producing c.9,000 lumens with a nominal 4000°K colour temperature 80CRI
.LM1548	LED light engine producing c.15,000 lumens with a nominal 4000°K colour temperature 80CRI
.LM1848	LED light engine producing c.18,000 lumens with a nominal 4000°K colour temperature 80CRI
.LM2448	LED light engine producing c.24,000 lumens with a nominal 4000°K colour temperature 80CRI
.LM3048	LED light engine producing c.30,000 lumens with a nominal 4000°K colour temperature 80CRI
.LM3648	LED light engine producing c.36,000 lumens with a nominal 4000°K colour temperature 80CRI
.LM0958	LED light engine producing c.9,000 lumens with a nominal 5000°K colour temperature 80CRI
.LM1558	LED light engine producing c.15,000 lumens with a nominal 5000°K colour temperature 80CRI
.LM1858	LED light engine producing c.18,000 lumens with a nominal 5000°K colour temperature 80CRI
.LM2458	LED light engine producing c.24,000 lumens with a nominal 5000°K colour temperature 80CRI
.LM3058	LED light engine producing c.30,000 lumens with a nominal 5000°K colour temperature 80CRI
.LM3658	LED light engine producing c.36,000 lumens with a nominal 5000°K colour temperature 80CRI

Code Light Distribution

.ND	Narrow distribution
.WD	Wide distribution

Code Diffuser (optional)

.SDR	Semi diffuse acrylic reflector
------	--------------------------------

Code Fixing Method (required)

.SM	Surface mounted bracket
.SUS	Suspension (kit supplied)
.TK	Trunking mount for HEL trunking system
.TK1	Universal surface mount/trunk blank bracket
.TK2	Universal trunk adaptor mounting plate (suitable for M20 trunk adaptor)

Code Photocell (option)

.PIRA	PIR (attached) for 360°, aisle and end of aisle. From 3 to 20 metres mounting
-------	---

Code Colour (required)

.C1	Smooth White (RAL9016)
-----	------------------------

Code Dimming Outputs (option)

.LRD	DALI HF electronic control gear
.CL7	Programmed to deliver 70%
.CL8	Programmed to deliver 80%
.CL9	Programmed to deliver 90% of the initial lumen over the life of the product

Code Emergency (option)

.EM1	1 hour LED emergency
.EM3	3 hour LED emergency
.VDC	Luminaire supplied with internal DC fuse to accept 170-275V DC Luminaire will dim to 15% when powered by DC

Code Guard (option)

.WG	Wireguard
-----	-----------

Code Auxiliary Circuits (option)

.FC1	Electrical connection to existing trunking loom via KLIK 4 plug
.FC2	Electrical connection to existing trunking loom via WAGO 5 POLE plug
.FC3	Electrical connection to existing trunking loom via GST18/6 BLACK/BLOCK plug
.FC4	Electrical connection to existing trunking loom via GST18/5 plug
.FC5	Electrical connection to existing trunking loom via ENSTO 6 D2 plug

Example

IBH .LM0948 .ND .SDR .SM .PIRA .C1 .LRD .EM1 .WG .FC1

PrismaspaceTM takes commercial interior lighting to new levels of flexibility with superior light control. The solution fuses the latest in highly efficient medium power LEDs with the distinguished dynamics of Holophane's durable prismatic optics. Combined to deliver unparalleled uniformity and the best in class Adaptable Lighting Solution.

features and benefits

Versatile lighting system

- > Available as a single or double optical modules with a range of outputs that can be suspended or mounted directly to trunking
- > Trunking available with T-joints, cross joint or corner joint allowing full on site flexibility
- > Emergency, sensors and controls integrated into the luminaire or available as standalone items that can be mounted directly to trunking system

High efficient LED technology

- > Unique design of the LED module that utilises the latest mid-power LEDs to deliver a market leading efficacy (up to 150lpw), reduced installation, power consumption and payback time

optics / light source

- > Available with 3 light distributions; Narrow, Medium and Open
- > Option of 70CRI and 80CRI
- > 4000°K & 5700°K colour temperature
- > Lumen packages ranging from 3,000 to 21,000 lumens

approvals

CE

Complies with EN60598

IP IP65

Ta -20°C to 45°C*

* Ta of 35°C for emergency versions

For further information please visit the Holophane website www.holophane.co.uk

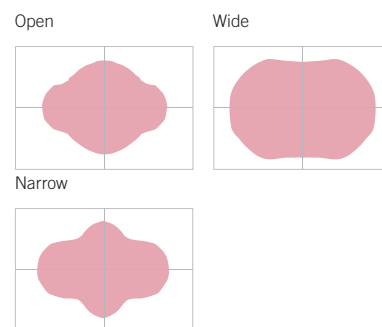
applications

Logistic Centres	Warehousing
Distribution Centres	Assembly Areas
Retail Stores	Industrial Areas

weight (with control gear)

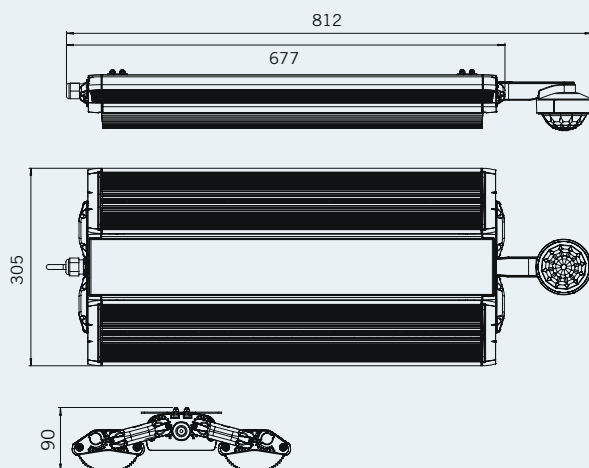
Single optic	4kg
Double optic	4.6kg

light distribution

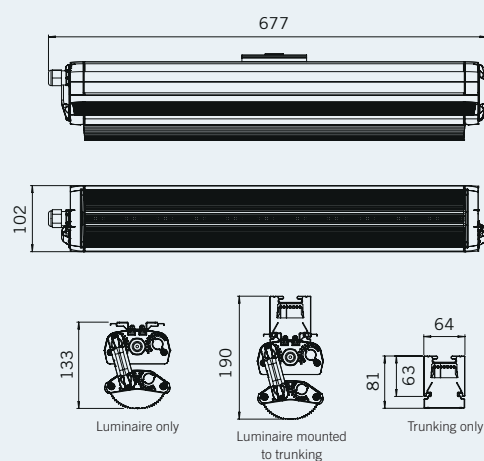


dimensions in mm

Double Module



Single Module





ordering details – luminaire

Code

PRs PrismaSpace Luminaire

Code Enclosure (required)

S Single module
D Double module

Code Lamp Type (required)

.L0348 LED light engine producing c3000lm with a nominal 4000K colour temperature, 80CRI*
.L0548 LED light engine producing c5000lm with a nominal 4000K colour temperature, 80CRI*
.L0748 LED light engine producing c7000lm with a nominal 4000K colour temperature, 80CRI*
.L0948 LED light engine producing c9000lm with a nominal 4000K colour temperature, 80CRI.
.L0357 LED light engine producing c3000lm with a nominal 5700K colour temperature, 70CRI*
.L0557 LED light engine producing c5000lm with a nominal 5700K colour temperature, 70CRI*
.L0757 LED light engine producing c7000lm with a nominal 5700K colour temperature, 70CRI*
.L0957 LED light engine producing c9000lm with a nominal 5700K colour temperature, 70CRI
.L1248 LED light engine producing c12000lm with a nominal 4000K colour temperature, 80CRI+
.L1548 LED light engine producing c15000lm with a nominal 4000K colour temperature, 80CRI+
.L1848 LED light engine producing c18000lm with a nominal 4000K colour temperature, 80CRI+
.L2048 LED light engine producing c21000lm with a nominal 4000K colour temperature, 80CRI+
.L1257 LED light engine producing c12000lm with a nominal 5700K colour temperature, 70CRI+
.L1557 LED light engine producing c15000lm with a nominal 5700K colour temperature, 70CRI+
.L1857 LED light engine producing c18000lm with a nominal 5700K colour temperature, 70CRI+
.L2157 LED light engine producing c21000lm with a nominal 5700K colour temperature, 70CRI+

Code Distribution (required)

.ND Narrow distribution
.MD Medium distribution
.OD Open distribution

Code Lens (option)

.HI High angle shield (low UGR version, max 22)

Code Fixing method (option)

.SUS suspension (kit supplied)
.TK trunking mount for HEL trunking system
.TK1 universal surface mount / trunk clamp bracket (suitable for surface mounting on track dimensions up to width: 85mm x height: 70mm)
.TK2 universal trunk adaptor mounting plate (suitable for M20 trunk adaptor)

Code Photocell (option)

.PIRA PIR (attached) for 360°, aisle and end of aisle. From 3 to 13 metres mounting (IP65).

Code Colour (required)

.C1 White (RAL9016)

Code Control Gear (option)

.LRD DALI HF electronic control gear
.CL7 Programmed to deliver 70% of the initial lumens over the life of the luminaire
.CL8 Programmed to deliver 80% of the initial lumens over the life of the luminaire
.CL9 Programmed to deliver 90% of the initial lumens over the life of the luminaire

Code Emergency (option)

.EM1 Self contained 1hr maintained emergency battery and inverter (delivering c500 lumens)
.EM3 Self contained 3hr maintained emergency battery and inverter (delivering c500 lumens)
.VDC Luminaire supplied with internal DC fuse to accept 170-275VDC. Luminaire will dim to 15% when powered by DC

Code Inputs (option)

.WI Integrated wireless node

Code Auxiliary Circuits (option)

.FC1 Electrical connection to existing trunking loom via KLIK 4 plug
.FC2 Electrical connection to existing trunking loom via WAGO 5 POLE plug
.FC3 Electrical connection to existing trunking loom via GST18/6 BLACK/BLUE plug
.FC4 Electrical connection to existing trunking loom via GST18/5 plug
.FC5 Electrical connection to existing trunking loom via ENSTO 6 D2 plug

Example

PRs S .L0348 .ND .HI .SUS .PIRA .C1 .LRD .EM1 .WI .FC1

* single module only + double module only

The **DC Rack LED** delivers a lighting solution specifically designed for both racking and open area environments. Its lighting performance meets growing consumer demands for efficiency, reliability and positive environmental impact.

specification

The luminaire shall consist of an extruded aluminium body with two steel end plates ensuring a rigid linear design. The optical arrangement consists of mid power LEDs mounted on the aluminium body behind and extruded polycarbonate prismatic lens.

- > 4000°K Colour Temperature
- > Two lumen packages available (12,000 and 15,000)
- > Up to 102 lumens per watt
- > 80CRI
- > Available with dedicated trunking system

approvals

Complies with EN60598



Ta -20°C to 35°C

For further information please visit the Holophane website
www.holophane.co.uk

typical luminaire performance

Configuration	Delivered Lumens	Power Consumption (W)	Drive Current (mA)	Projected Life of LED Module (L70B50 @Tq 25°C)*
DCR.L124	c.12000	117W	500mA	100,000+
DCR.L154	c.15600	163W	700mA	100,000+

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

applications

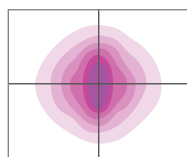
Logistics Centres
Warehousing
Distribution Centres

weight

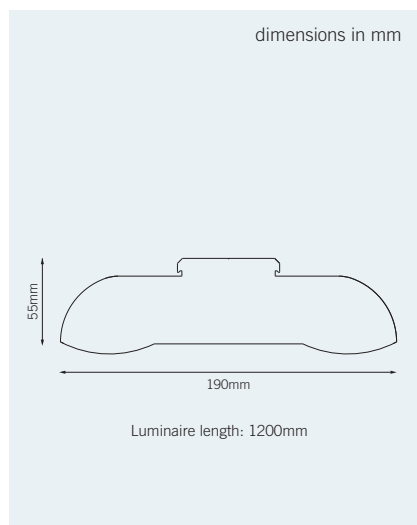
9kg

light distribution

Aisle Distribution



dimensions in mm





ordering details – luminaire

Code

DCR DC RACK LED

Code Lamp Type (required)

.L124 LED light engine producing c.12,000 lumens with a nominal 4000°K colour temperature

.L154 LED light engine producing c.15,500 lumens with a nominal 4000°K colour temperature

Code Optic (required)

.A1 Aisle distribution

Code Colour (required)

.C1 Smooth white (RAL9016)

Code Control Gear (options)

.D4 DALI (interior)

Code Emergency (options)

.EM3 3hr maintained emergency (remote battery)

Code Photocell (options)

.PIRA PIR (attached) for 360°. Up to 15 metres mounting

Code Cable Entry (options)

.FL3* 3m flying lead

Example

DCR .L124 .A1 .C1 .D4 .EM3 .PIRA .FL3*

* 3-core as standard, 4-core if option .EM3 selected, 5-core if option .D4 selected. Emergency versions will ALL be remote battery pack on plug and socket connection as standard - max 600mm distance from luminaire.

PIRA option has a default setting of 100% output during occupancy, when no presence is detected after 3 minutes the luminaire will dim to 10% output.

Please order accessory item HEL.PRO if default settings require changing on site. The luminaire is supplied with two mounting clips as standard.

Suspension kit must be ordered separately using accessory code HEL.SUS. A quantity of 1 is required for each luminaire.

accessories

Code Description

HEL.PRO Infrared Programming Handset

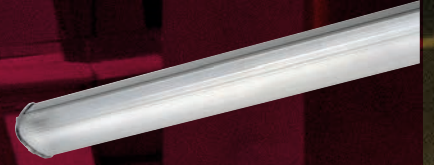
HEL.SUS Suspension kit (1m to 6m)



ceiling mounts
& bulkhea



D-Series
Parking Garage



HF LED



Denver™
Elite Wall



Prismashield™
Elite



Atlanta™



Parkpack®

ds

Parking Garage

Energy efficiency, high quality lighting and controllability are all combined in the **D-Series LED Parking Garage**. The D-Series Parking Garage features advanced LED optics specifically designed for applications such as parking decks with low mounting heights to provide light distribution and effective security light levels.

features and benefits

Energy efficient

- > DSX LED Parking Garage luminaire is engineered to maximise heat dissipation. The luminaires high performance LEDs are mounted to a metal core board and attached to a die cast aluminium heat sink for effective conductive cooling

Exceptional performance

- > Delivering a three year payback when compared to equivalent fluorescent luminaires and extending maintenance intervals
- > Three precision-engineered optics created specifically for the parking garage application that deliver light exactly where it is needed

Complete light package

- > Integrated three hours emergency option available
- > Integrated presence detector option available to dim the luminaire when area is unoccupied
- > Suitable for typical European ceiling heights and wiring methods

optics / light source

- > Three lumen packages available (4000, 5000 & 6000)
- > Fully soak tested light engines ensuring LED reliability and eliminating infant mortality failures
- > 4000°K colour temperature, 70 CRI
- > Three dedicated parking garage optics

approvals

Complies with EN60598

IP IP65 optic and luminaire

Ta Rated for -20°C to 40°C

CE

For further information please visit the Holophane website
www.holophane.co.uk

weight

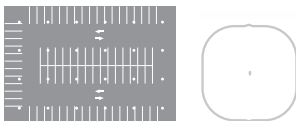
7.0kg

light distribution

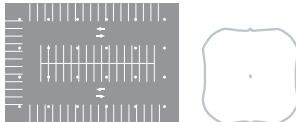
SQN - Square Narrow



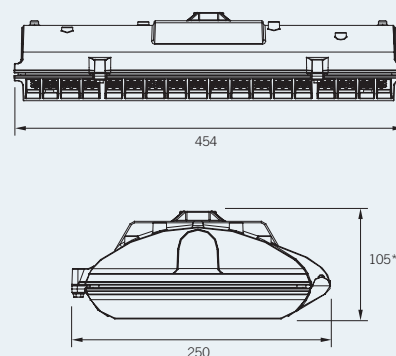
SQM - Square Medium



SQW - Square Wide



dimensions in mm



* Height excludes surface mount bracket (.SM)
Add 34mm for .SM option.

typical luminaire performance

Configuration	Delivered Lumens [†]	Power Consumption (W)	Drive Current (mA)	Rated Life of LED Module (L70B50 @Tq 20°C)*
DPG.L044	c. 4000	47W	700mA	100,000+
DPG.L054	c. 5000	51W	525mA	100,000+
DPG.L064	c. 6000	67W	700mA	100,000+

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

[†] Based on the average of all the optical distribution options.



ordering details – luminaire

Code

DPG DSX Parking Garage luminaire

Code	Lamp Type (required)
.L044	LED light engine producing c 4,000 lm with a nominal 4000°K colour temperature
.L054	LED light engine producing c 5,000 lm with a nominal 4000°K colour temperature
.L064	LED light engine producing c 6,000 lm with a nominal 4000°K colour temperature
Code	Light Distribution (required)
.SQW	Square wide
.SQM	Square medium
.SQN	Square narrow
Code	Fixing Method (required)
.SM	Surface mounting in conjunction with standard BESA box conduit (20mm or 25mm)
.FM	Flush mount
Code	Colour (required)
.C1	Smooth White RAL9016
.C4	Graphite RAL7011
.C6	Smooth Grey RAL7035
.C7	Black RAL9005
.C9	Metallic Silver RAL9006
.RAL****	RAL Colour (customer choice)**
Code	Optional Control Gear
.D2	DALI HF electronic control gear
.ANF	1-10V analogue fast dimming
Code	Optional Paint Finish
.C	Enhanced Paint finish
Code	Optional Photocell
.PIRA	Integrated presence detector (up to 9m radius)
Code	Optional Emergency
.ME	with self contained 3hr maintained emergency battery and inverter
Example	DPG .L044 .SQW .SM .C1 .D2 .C .PIRA .ME

Note: .ANF & .D2 cannot be used in conjunction with .PIRA.

HF LED

The **HF LED** has been designed for a variety of applications. From new builds or renovation of existing spaces it delivers a robust lighting solution for customers requiring a luminaire that provides quality of light, maintenance savings and sustainable performance. The new HF LED is an ideal replacement for traditional waterproof luminaires.

specification

The luminaire shall consist of a single piece of extruded polycarbonate (diffuser and casing) with nether joints or welds ensuring an IP66 rating and IK10 impact protection. The LED gear tray is housed behind a transparent diffuser with longitudinal prisms that produces an extensive distribution. Termination into the luminaire is via M20 metal gland covers which are located on the injection moulded polycarbonate side covers. Suitable for surface with two clips supplied.

- > 3000°K & 4000°K Colour Temperature
- > 5 lumen packages available (1,000 to 8,000)
- > Up to 115 lumens per watt
- > 80CRI
- > Available with DALI enabled control gear
- > Available with self-contained 1 hour or 3 hour maintained emergency battery and inverter
- > 10% of initial lumens in emergency mode

approvals

Complies with EN60598



IP IP66. IK10

Ta -30°C to +40°C*

*L01X & L03X version only

L04X - Ta: 38°C

L06X - Ta: 26°C

L08X - Ta: 29°C

For further information please visit the Holophane website
www.holophane.co.uk

applications

Parking garages

Warehouses

General lighting

weight

HFL.L01X 2.5kg

HFL.L03X & L04X 3.5kg

HFL.L06X & L08X 4.5kg

light distribution

Extensive distribution

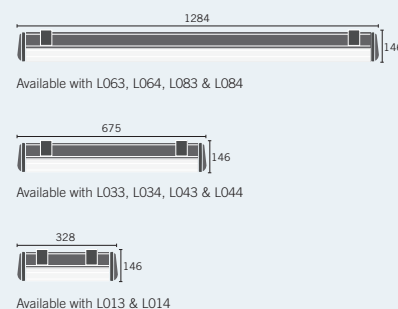
typical luminaire performance

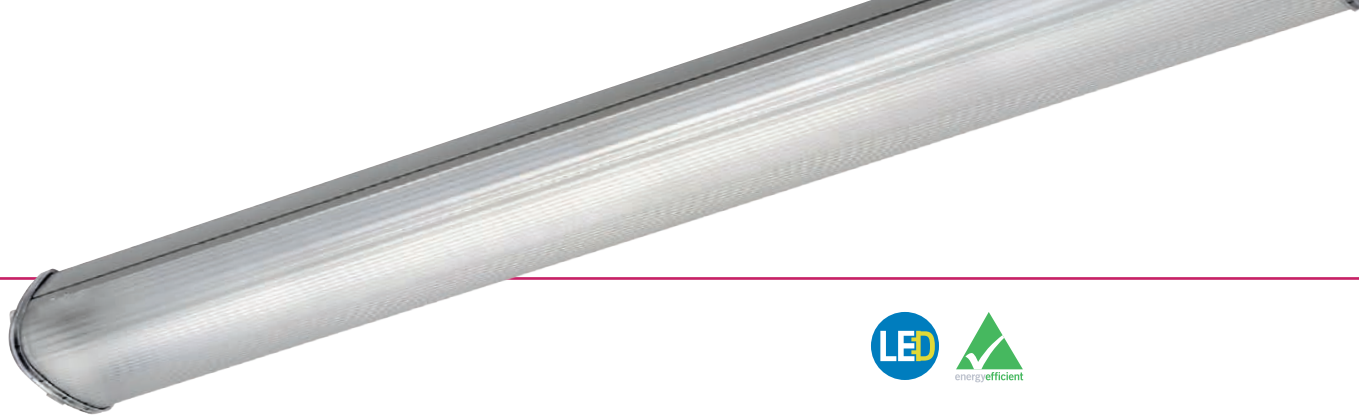
Configuration	Delivered Lumens	Power Consumption (W)	Drive Current (mA)	Projected Life of LED Module (L70B50 @ Tq 25°C)
HFL.L014	c. 1000	16W	500mA	50,000 hours
HFL.L034	c. 3000	29W	550mA	50,000 hours
HFL.L044	c. 4000	39W	700mA	50,000 hours
HFL.L064	c. 6000	57W	550mA	50,000 hours
HFL.L084	c. 8000	79W	700mA	50,000 hours

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

dimensions in mm





ordering details – luminaire

Code						
HFL	HF LED					
	Code	Lamp Type (required)				
	.L013	LED module approx. 1000lm with temp. 3000K colour				
	.L014	LED module approx. 1000lm with temp. 4000K colour				
	.L033	LED module approx. 3000lm with temp. 3000K colour				
	.L034	LED module approx. 3000lm with temp. 4000K colour				
	.L043	LED module approx. 4000lm with temp. 3000K colour				
	.L044	LED module approx. 4000lm with temp. 4000K colour				
	.L063	LED module approx. 6000lm with temp. 3000K colour				
	.L064	LED module approx. 6000lm with temp. 4000K colour				
	.L083	LED module approx. 8000lm with temp. 3000K colour				
	.L084	LED module approx. 8000lm with temp. 4000K colour				
	Code	Dimming Output (option)				
	.LRD	DALI Control Gear				
	.ANF	1-10V Control Gear				
	Code	Emergency (option)				
	.VDC	Luminaire supplied with internal DC fuse				
	.EM1	Self-contained 1hr maintained emergency battery and inverter				
	.EM3	Self-contained 3hr maintained emergency battery and inverter				
	Code	Protection				
	.CPROTEC	Additional Surge Protection (10KV)				
	.CFUS	With fuse included - (only for emergency options)				
	Code	Cable Entry				
	.TW	Through wiring*				
Example	HFL	.L013	.LRD	.VDC	.CPROTEC	.TW

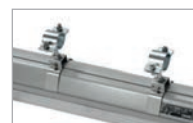
* Not available with .EM1, .EM3, .L013 & .L014

accessories

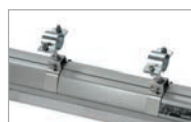
Code	Description
HEL.FA	Suspension loop (two loops per kit, supplied separately)
HEL.FT42	Coupler Mounting (42mm diameter tube)
HEL.FT60	Coupler Mounting (60mm diameter tube)
HEL.FAR	Quick release for ceiling fixtures



HEL.FA



HEL.FT42



HEL.FT60



HEL.FAR

The **Denver™ Elite Wall** is a modern aesthetic design that incorporates LEDs in addition to standard white light sources. With its stylised design and prismatic glass optic, providing a high performance asymmetric distribution, with wide spacings and high efficiency. This makes the Denver™ Elite Wall an industry leading wall mount product.

features and benefits

Contemporary styling

- > Unique 'registered' trilobular design giving an aesthetic appeal that complements today's modern architecture and continues the Denver™ Elite family range

High quality construction

- > Durability ensured by a high pressure die cast LM6 aluminium housing and glass optic
- > The housing is designed to include thermal management features
- > Designed to IP65 to provide a fully weather sealed rating

Optional photocell

- > Photocell option discretely designed into the casting to ensure clean aesthetics

Flexibility during installation

- > A variety of improved cable 'knockout' points allow simple and flexible installation and through wiring

Emergency options

- > Available as standard option

Low ULOR option available

- > LED version has circa <3% ULOR as standard
- > Upward light shield available providing <5% ULOR with the HID or CFL option

Vandal resistant

- > Robust design and construction offering a vandal resistant product

typical luminaire performance

Configuration	Delivered Lumens [†]	Power Consumption (W)	Drive Current (mA)	Rated Life of LED Module (L70B50 @Tq 20°C)*
DEW.L014	c. 1000	18W	350mA	100,000+ hours
DEW.L024	c. 2000	26W	500mA	100,000+ hours
DEW.L034	c. 3000	36W	700mA	95,000+ hours

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

† Based on the average of all the optical distribution options.

optics / light source

- > 1000 - 3000 lumen package LED options

approvals

EN60598

IP IP65

CE

For further information please visit the Holophane website
www.holophane.co.uk

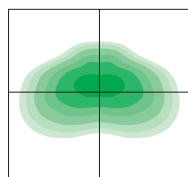
applications

Frontages Passage ways
Building perimeters Precincts
Amenity areas
Walkways

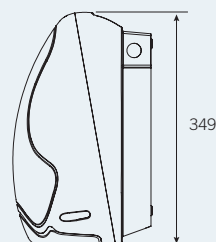
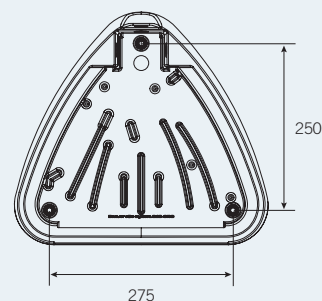
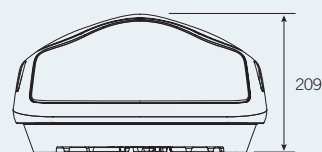
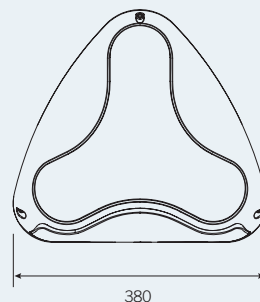
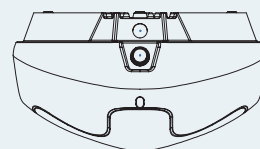
weight

4.7kg - 5.2kg

light distribution



dimensions in mm





ordering details – luminaire

Code							
DEW Denver Elite Wall							
Example	DEW	Code	Lamp Type (required)				
		.L014	LED light engine producing c.1000 lm with a nominal 4000°K colour temperature				
		.L024	LED light engine producing c.2000 lm with a nominal 4000°K colour temperature				
		.L034	LED light engine producing c.3000 lm with a nominal 4000°K colour temperature				
		Code	Lens (required)				
			.PGL Prismatic Glass Lens				
		Code	Colour (required)				
			.C1 Smooth White (RAL 9016)				
			.C4 Textured Graphite (RAL 7011)				
			.C6 Smooth Grey (RAL 7035)				
			.C7 Black (RAL 9005)				
			.C9 Metallic Silver (RAL 9006)				
			.RAL**** RAL Colour (customer choice)				
		Code	Paint Finish				
			.C Enhanced Paint Finish				
		Code	Photocell				
			.T Photocell (Factory fitted option)				
		Code	Emergency				
			.ME1 3 Hour emergency option*				
Example	DEW	.L014	.PGL	.C1	.C	.T	.ME1

*Available with L014, L024 & L034.

luminaire accessories

Code	
GL.M20	1 x M20 IP68 plastic gland for cable entry suitable for cables between 6mm - 13mm Ø

prismashield[™] ELITE

Designed to meet the demanding environments of a metro or rail infrastructure application, **Prismashield[™] Elite** is a robust, stylish and multi functional luminaire. Prismashield[™] Elite can withstand severe physical attack, exposure to weather and vibration.

features and benefits

Robust modular construction

- > Suitable for areas prone to vandalism
- > Suitable for various types of surface/suspended/cornice mounting

Luminaire offers 7 cable entry points

- > Suitable for mounting end to end in continuous runs without compromising IP
- > Flexible on-site wiring and installation

Maintained emergency option

- > Maintained lighting through power cuts
- Anti-graffiti coating (optional)
- > Reduces cleaning costs
- IP659 (applies to option PPL & PFL)
- IP657 (applies to FGL)
- IK10++ (50 Joules) – (PPL & PFL)
- IK07 - (FGL)
- > Fully weatherproof with high impact resistance

Cable management system

- > Allows integration of cabling for power, communications, emergency & controls as part of the luminaire installation
- > Can be cut to size on site allowing easy and versatile installation

Hinged door assembly

- > Allows secure access to luminaire during maintenance or lamp change
- > Complete lens and door assembly can be replaced

Hinged lamp and reflector assembly

- > Allows tool-less access to gear and DIN-rail without having to remove lamps or reflector assembly

optics / light source

> 2000, 5000, 6000, 9000 & 11,000 lumen LED version

approvals

Designed to: IP659 (applies to PFL)
IP657 (applies to FGL)
IK10++ (50 Joules) –
(PPL & PFL)
IK07 - (FGL)

Designed to meet: EN60598-2-1

Designed to meet: BS EN 55015:2006
+ A1 2007

Designed to meet: London Underground
Section 12 compliance

For further information please visit
the Holophane website
www.holophane.co.uk

applications

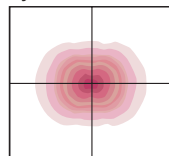
Underpasses	Secure units
Corridors	Hospitals
Car parks	Prisons
Airports	Detention centres
Stairwells	Indoor sports applications
Stations	Clean rooms
Under canopy areas	

weight (glass)

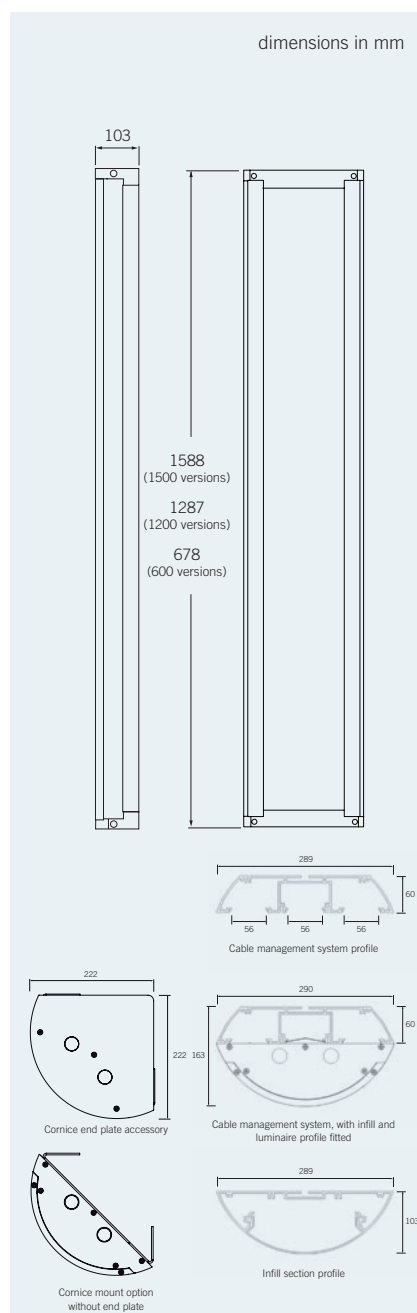
L024	7kg
L054	13kg
L094	13kg
L064	16kg
L114	16kg

light distribution

Symmetric



dimensions in mm





ordering details – luminaire

Code

PSE Prismashield Elite anti-vandal fluorescent luminaire

Code	Lamp Type (required)
.L024	LED light engine producing c2000lm with a nominal 4000K colour temperature (nominal length 600mm)
.L054	LED light engine producing c5000lm with a nominal 4000K colour temperature (nominal length 1200mm)
.L094	LED light engine producing c9000lm with a nominal 4000K colour temperature (nominal length 1200mm)
.L064	LED light engine producing c7000lm with a nominal 4000K colour temperature (nominal length 1500mm)
.L114	LED light engine producing c11000lm with a nominal 4000K colour temperature (nominal length 1500mm)
Code	Light Distribution
.SY	Symmetric
Code	Lens
.FGL	Frosted glass lens
.PFL	Prismatic polycarbonate frosted lens†
Code	Mounting (luminaires only) - for cable management system order the relevant CMS and infill accessories
.SM	Surface Mount
.CM	Cornice Mount
Code	Paint Finish
.C1	White (RAL 9016)
.C9	Silver (RAL 9006)
.RAL****	RAL colour (customer choice)
Code	Control Gear
.D2	DALI HF electronic control gear**
.DEM2	DALI HF electronic control gear - integral 3 hour maintained emergency option
Code	Emergency
.ME	Integral 3 hour maintained emergency option**
Code	Inputs
.WI	Integrated Wireless Node
Code	Lens
.AG	Anti-graffiti coating on prismatic polycarbonate lens option only

Example	PSE	.L024	.SY	.FGL	.SM	.C1	.D2	.ME	.WI	.AG
---------	-----	-------	-----	------	-----	-----	-----	-----	-----	-----

** Not available with .L024. † Only available with .L024, .L054, L064, L094 & L114.

luminaire accessories

cable management system & accessories

3 metre extrusion length to be cut / mitred on site by others

Infill bodies, panels and end plates

compatible with CMS mounting or stand alone luminaire mounting

Code

PSE.VK	Key for vandal resistant screw suitable for Prismashield Elite (PSE) luminaire
PSE.CMS.SM.C1	Prismashield Elite 3000m length of surface mount cable management system. White (RAL9016)
PSE.CMS.SM.C9	Prismashield Elite 3000m length of surface mount cable management system. Silver (RAL9006)
PSE.CMS.SM.EPC1	Prismashield Elite surface cable management end plate. White (RAL9016)
PSE.CMS.SM.EPC9	Prismashield Elite surface cable management end plate. Silver (RAL9006)
PSE.CRC	Cable retention clips to be used in conjunction with Cable Management System (pack of 9)
PSE.JMA	Infill/Cable Management System variable 0-90° mitre joint mounting aid (1 required per joint)
PSE.1000.INFILL.C1	Prismashield Elite blanking infill body (1000mm nominal length). White (RAL9016)
PSE.1000.INFILL.C9	Prismashield Elite blanking infill body (1000mm nominal length). Silver (RAL9006)
PSE.2000.INFILL.C1	Prismashield Elite blanking infill body (2000mm nominal length). White (RAL9016)
PSE.2000.INFILL.C9	Prismashield Elite blanking infill body (2000mm nominal length). Silver (RAL9006)
PSE.3000.INFILL.C1	Prismashield Elite blanking infill body (3000mm nominal length). White (RAL9016)
PSE.3000.INFILL.C9	Prismashield Elite blanking infill body (3000mm nominal length). Silver (RAL9006)
PSE.1000.INFILL.CM.C1	Prismashield Elite cornice mount blanking infill body (1000mm nominal length). White (RAL9016)
PSE.1000.INFILL.CM.C9	Prismashield Elite cornice mount blanking infill body (1000mm nominal length). Silver (RAL9006)
PSE.2000.INFILL.CM.C1	Prismashield Elite cornice mount blanking infill body (2000mm nominal length). White (RAL9016)
PSE.2000.INFILL.CM.C9	Prismashield Elite cornice mount blanking infill body (2000mm nominal length). Silver (RAL9006)
PSE.3000.INFILL.CM.C1	Prismashield Elite cornice mount blanking infill body (3000mm nominal length). White (RAL9016)
PSE.3000.INFILL.CM.C9	Prismashield Elite cornice mount blanking infill body (3000mm nominal length). Silver (RAL9006)
PSE.INFILL.EP.C1	End plate for Prismashield Elite infill. White (RAL9016) Not required for Cornice version
PSE.INFILL.EP.C9	End plate for Prismashield Elite infill. Silver (RAL9006) Not required for Cornice version
PSE.CM.EPC1	Prismashield Elite cornice end plate. White (RAL9016)
PSE.CM.EPC9	Prismashield Elite cornice end plate. Silver (RAL9006)
PSE.JMA	Infill/Cable Management System variable 0-90° mitre joint mounting aid (1 required per joint)

Atlanta™ combines form and function for lighting covered car parks and an array of other applications. The unique circular low profile housing and slender body contours provide an elegant solution for low to medium mounting height applications. Utilising energy saving LED technology or compact fluorescent lamps coupled with a precisely engineered prismatic refractive lens, Atlanta™ offers exceptional performance, wide spacing and maximum efficiency.

features and benefits

- Total lamp obscurity
- > Even, illumination
- High quality construction
- > Durable and vandal-resistant
- > Fully weather sealed
- Single point fix refractive lens
- > Ease of installation & maintenance
- Fully upgradeable
- > LED gear tray that can be retrofitted into existing installations
- Totally enclosed luminaire (IP65)
- > Suitable for wide range of applications
- Efficient refractive/reflective technology
- > Reduced number of luminaires

approvals

Complies with EN60598



For further information please visit the Holophane website
www.holophane.co.uk

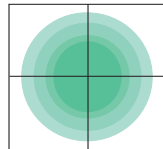
applications

- | | |
|------------------------|------------------|
| Multi-storey car parks | Passage lighting |
| Canopies | Processing areas |
| Covered walkways | Mezzanines |
| Loading bays | |

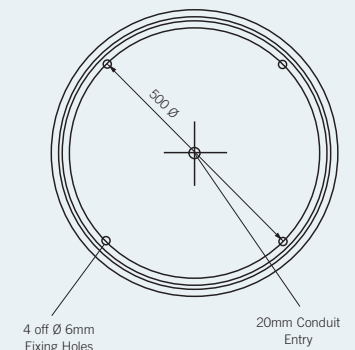
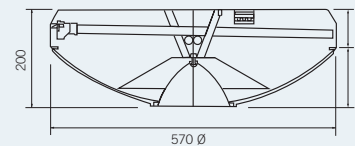
weight

5.0kg

light distribution



dimensions in mm





ordering details – luminaire

Code										
ATL	Atlanta									
Example	Code	Lamp Type (required)								
	.L034	LED light engine producing c. 3,000lm with a nominal 4000K colour temperature								
	Code	Terminal Blocks								
		.TF	Terminal Block - Fused							
	Code	Colour								
		.RAL ****	RAL colour (customer choice)*							
	Code	Optics								
		.A	Acrylic lens							
	Code	Cable Entry								
		.TW	Through Wiring							
	Code	Screws								
		.V	Vandal Resistant Screws							
	Code	Emergency								
		.EM1	self contained 1hr maintained emergency battery and inverter							
	Code	Emergency								
.EM3		self contained 3hr maintained emergency battery and inverter								
Code	Infills									
	.DT	Decorative Semi-recessed Trim								
Code	Control Gear									
	.D2	DALI HF electronic control gear								
Example	PSE	.L034	.TF	.RAL	.A	.TW	.V	.EM1	.DT	.D2

*Please specify RAL colour reference.

luminaire accessories order separately for on-site installation by others

Code

ATL.VK Key for Vandal Resistant Screw

ATL.ST Surface Trim

ATL.FK Fixing Kit

LED Retrofit Gear Tray

Code

ATL.GT.L034 Retrofit Atlanta LED gear tray, producing c.3000lm

ATL.GT.L034.D2 Retrofit Atlanta LED gear tray, producing c.3000lm. DALI enabled

ATL.GT.L034.EM3 Retrofit Atlanta LED gear tray, producing c.3000lm & self contained 3hr maintained emergency

ATL.GT.L034.EM3.D2 Retrofit Atlanta LED gear tray, producing c.3000lm & self contained 3hr maintained emergency. DALI enabled

ATL.GT.L034.EM1 Retrofit Atlanta LED gear tray, producing c.3000lm & self contained 1hr maintained emergency

ATL.GT.L034.EM1.D2 Retrofit Atlanta LED gear tray, producing c.3000lm & self contained 1hr maintained emergency. DALI enabled

parkpack®

For rugged, vandal resistant security lighting, inside or out, **Parkpack®** cannot be beaten. By improving uniformity of illuminance, Parkpack® transforms previously dark and foreboding car parks and walkways, removing shadowy areas, deterring crime and vandalism. A choice of either square or asymmetrical light distributions (square for central locations and asymmetrical for perimeter) means that fewer luminaires are required, thus reducing expenditure on installation and running costs.

features and benefits

Prismatic polycarbonate refractor

> Precise light control

Rugged construction

> Durability

Polycarbonate refractor

> Controlled light output

> Vandal resistant

Choice of light distributions

> Suits various requirements for car park lighting

> Reduces scheme costs

Various mounting options

> Flexibility

approvals

Complies with EN 60598

CE

IP IP659

Ta -20°C to + 25°C

For further information please visit the Holophane website
www.holophane.co.uk

applications

Multi-storey car parks

Open car parks
Precincts

Amenity areas

Walkways

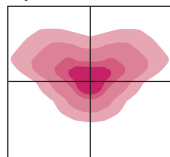
Residential areas
Roads

weight (with control gear)

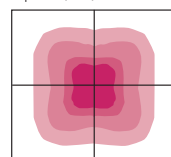
6kg

light distribution

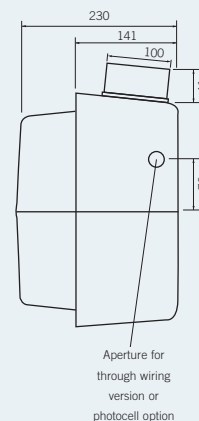
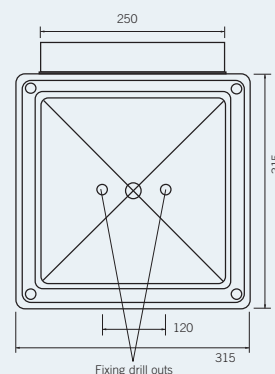
Asymmetric (.AY)



Square (.SQ)



dimensions in mm





ordering details – luminaire

Code

PRK	Parkpack						
	Code	Lamp Type (required)					
	.LO44	LED light engine producing c4000lm with a nominal 4000K colour temperature					
	Code	Light Distribution					
	.AY	Asymmetric - top entry					
	.SQ	Square - top entry					
	.AYSM	Asymmetric - side entry					
	.SQSM	Square - side entry					
	Code	Colour (required)					
	.C1	White (RAL9016)					
	.C4	Graphite (RAL 7011)					
	.C6	Grey (RAL 7035)					
	.C7	Black (RAL 9005)					
	.C9	Metallic Silver (RAL 9006)					
	.RAL ****	RAL colour (customer choice)**					
	Code	Control Gear					
	.D2	DALI Gear					
	Code	Paint Finish					
	.C	Enhanced Paint Finish					
	Code	Photocell					
.T	Photocell						
Code	Screws						
.V	Tamper-Resistant Screws						
PRK	.LO44	.AY	.C1	.D2	.C	.T	.V



street &
tunnel



V-Max™



Factor™ &
Factor™ Small



HMAO



T-Max™



Metrolux™



Widerlite™

V-MAX™ is a landmark LED luminaire characterised by its efficiency and revolutionary form. With a pioneering modular design the luminaire has been engineered with an approach that subdivides the luminaire system creating a fully scalable, maintainable and upgradeable luminaire that can be used for a range of street lighting applications.



CONDUCTION

From the LEDs and driver onto the LED chevron and RIBBED gear HOUSING respectively.



CONVECTION

From LED chevron and the air CHANNEL between each chevron.



RADIATION

Heat energy from the driver and LED Chevron is emitted from the casting in all directions.

optics / light source

- > Available with a variety of optical packages for various street lighting standards
- > Lumen packages ranging from 2,000 to 31,000
- > 4000°K and 3000°K colour temperature

approvals

IP 66 light engines (IEC60529)
IP 66 gear compartment (IEC60529)
Ta - 40°C to +50°C
CE

For further information please visit the Holophane website
www.holophane.co.uk

typical luminaire performance

Configuration	# of LED Chevrons	Delivered Lumens	Power Consumption (W)	Driver Current (mA)	Projected Life of LED Module (L70B50 @Tq 15°C)*
VMX.L074	V1	c. 7000	60W	300mA	100,000+ hrs
VMX.L144	V2	c. 14000	118W	300mA	100,000+ hrs
VMX.L164	V3	c. 16000	160W	1050mA	100,000+ hrs
VMX.L224	V6	c. 23000	205W	700mA	100,000+ hrs
VMX.L294	V8	c. 31000	278W	700mA	100,000+ hrs

The above is just an example of the lumen packages offered. For details of all the performance characteristics for V-MAX™ please contact your Holophane representatives.

*For other life metric data in line with IEC PA62722-2-1 and 62717 contact your Holophane Representative for details.

Note: Data is correct at time of print.

applications

BS 5489:2012	Main roads
BSEN13201	Trunk roads
Residential lighting	Dual carriageways
Pedestrian areas	Car parks

windage (effective projected area)

VMX V1 version	0.034m ²
VMX V2 version	0.037m ²
VMX V3 version	0.039m ²
VMX V4 version	0.042m ²
VMX V5 version	0.044m ²
VMX V6 version	0.046m ²
VMX V7 version	0.049m ²
VMX V8 version	0.051m ²

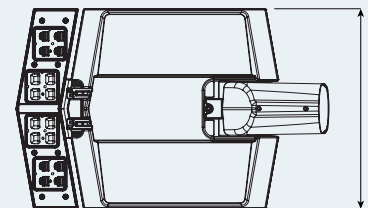
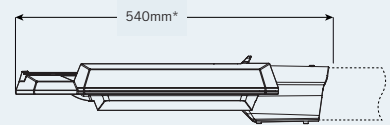
weight (with control gear)

VMX V1 version	6kg
VMX V2 version	8kg
VMX V3 version	9kg
VMX V4 version	11kg
VMX V5 version	12kg
VMX V6 version	14kg
VMX V7 version	15kg
VMX V8 version	17kg

dimensions in mm

Side Mounting

V1 version

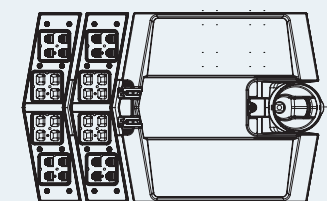
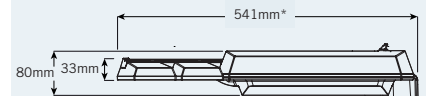


* This dimension is applicable to .SE1 / .PT1 only
 ** .SE1 (76mm / 60mm if internal reducer is removed)

Post Mounting

V2 version

.SE1 Ø 34mm / 42mm**
 .SE2 Ø 60mm only
 .SE3 Ø 34mm / 42mm only



.PT1 Ø 60mm / 76mm only
 .PT2 Ø 60mm only
 .PT3 Ø 34mm / 42mm only



ordering details – luminaire

Code	VMX	V-Max Luminaire
	Code	Lamp Type (required)
	.L074	LED light engine producing c.7000 lm with a nominal 4000K colour temperature
	.L144	LED light engine producing c.14000 lm with a nominal 4000K colour temperature
	.L164	LED light engine producing c.16000 lm with a nominal 4000K colour temperature
	.L224	LED light engine producing c.23000 lm with a nominal 4000K colour temperature
	.L294	LED light engine producing c.31000 lm with a nominal 4000K colour temperature
	Code	Operating package
	.V1	1 LED chevron
	.V2	2 LED chevrons
	.V3	3 LED chevrons
	.V6	6 LED chevrons
	.V8	8 LED chevrons
	Code	Optic
	.X2L2	X2L2 optical setting
	.L2L3	L2L3 optical setting
	.X2L3	X2L3 optical setting
	.L2L4	L2L4 optical setting
	Code	Fixing method
	.PT1	Post top 76/60mm only
	.PT2*	Post top 60mm only
	.PT3*	Post top 34/42mm only
	.SE1	34/42mm side entry (with internal reducer) - 60/76mm side entry when internal reducer is removed
	.SE2*	60mm side entry only
	.SE3*	34/42mm side entry only
	Code	Colour
	.C9	Metallic silver (RAL 9006)
	.RAL****	RAL colour (customer choice)
	Code	Electrical Class
	.CII	Class II
	Code	Photocell (Not available in Class II)
	.T1	Complete with NEMA socket (to accept standard NEMA photocell)
	.TSZ	Complete with miniature 70 lux factory fitted photocell (Zodion SS12)
	.TSZA	Complete with miniature 55 lux factory fitted photocell (Zodion SS12)
	.TSZB	Complete with miniature 35 lux factory fitted photocell (Zodion SS12)
	Code	Paint finish
	.C	Enhanced paint finish
	Code	Dimming Outputs
	.LRD	DALI electronic control gear
	.LRT56	Pre-set to dim to 50% between 12am to 6am
	.LRT66	Pre-set to dim to 60% between 12am to 6am
	.LRT76	Pre-set to dim to 70% between 12am to 6am
	.LRT*****	Customer specified pre-set dimming
	Code	Control Gear
		Over the life of the luminaire...
	.CL7	Programmed to deliver 70%
	.CL8	Programmed to deliver 80%
	.CL9	Programmed to deliver 90%
	Code	Cable Entry
	.FL831	8 metres of 1.5mm ² 3 core single cable "flex" (max length catered for)
	.FL1031	10 metres of 1.5mm ² 3 core single cable "flex" (max length catered for)
	.FL1231	12 metres of 1.5mm ² 3 core single cable "flex" (max length catered for)
	.FL1431	14 metres of 1.5mm ² 3 core single cable "flex" (max length catered for)
	.FL832	8 metres of 1.5mm ² 3 core double cable "flex" (max length catered for)
	.FL1032	10 metres of 1.5mm ² 3 core double cable "flex" (max length catered for)
	.FL1232	12 metres of 1.5mm ² 3 core double cable "flex" (max length catered for)
	.FL1432	14 metres of 1.5mm ² 3 core double cable "flex" (max length catered for)
	.FL851	8 metres of 1.5mm ² 5 core single cable "flex" (max length catered for)
	.FL1051	10 metres of 1.5mm ² 5 core single cable "flex" (max length catered for)
	.FL1251	12 metres of 1.5mm ² 5 core single cable "flex" (max length catered for)
Example	VMX	.L074 .V1 .X2L2 .PT1 .C9 .CL7 .FL831

The above is just an example of the lumen packages available. To see the complete range of V-MAX™ please contact your Holophane representatives.

To find out more please visit www.holophane.co.uk

FACTOR™

FACTOR™ SMALL

FACTOR™ and **FACTOR™ Small** from Holophane, are dedicated LED luminaires that deliver a variety of efficient lumen per watt packages with excellent optical performance. With their precision engineered optics and sleek body design - perfect for dissipating heat away from the LEDs and extending the luminaire life, FACTOR & FACTOR Small give the complete cost saving solution for street lighting environments.

optics / light source

- > Lumen package of between 2000 - 17,000 lumens
- > Two dedicated street lighting optics

approvals

Complies with EN60598

CE

IP IP65 light engines

Ta Rated for -20°C to 40°C

For further information please visit the Holophane website www.holophane.co.uk

applications

S-Class	Car Parks
ME-Class	Town Squares
Pedestrian Areas	Entrance Roads
Residential Areas	Precincts
Amenity Areas	

typical luminaire performance

Configuration	Delivered Lumens	Power Consumption	Drive Current	Rated Life of LED Module (L70B50 @Tq 15°C)*
---------------	------------------	-------------------	---------------	---

FACTOR

FTR.LA144	14154	105W	525mA	100,000+ hrs
FTR.LA174	17056	140W	700mA	100,000+ hrs

FACTOR Small

FTS.LA024	2359	17W	525mA	100,000+ hrs
FTS.LA034	2873	23W	700mA	100,000+ hrs
FTS.LA054	4629	35W	525mA	100,000+ hrs
FTS.LA064	5584	47W	700mA	100,000+ hrs
FTS.LA074	7077	52W	525mA	100,000+ hrs
FTS.LA084	8474	70W	700mA	100,000+ hrs
FTS.LA124	11722	100W	1050mA	100,000+ hrs

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

weight

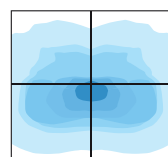
FACTOR	12kg
FACTOR small	7kg

windage (effective projected area)

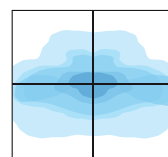
Factor	0.084 m ²
Factor Small	0.071 m ²

light distribution

Asymmetric

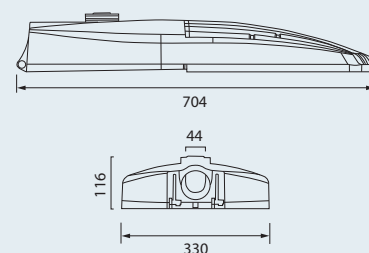


Long & Narrow



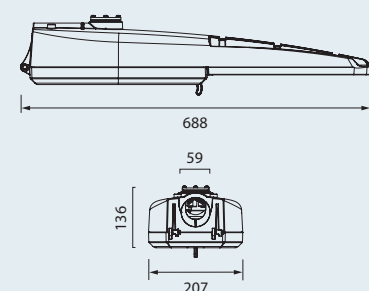
dimensions in mm

Factor (FTR)



Factor is suitable for 42mm side entry as standard. The option of 60mm side entry is available with option code .SE60.

Factor Small (FTS)



Factor Small is suitable for 42mm side entry as standard. The option of 34mm or 60mm side entry is available with option codes .SE34 or .SE60.



ordering details – luminaire

Code	Factor Luminaire									
FTR	Code	Lamp Type (required)								
	.LA144	LED light engine producing c.14,000 lm with a nominal 4000°K colour temperature								
	.LA174	LED light engine producing c.17,000 lm with a nominal 4000°K colour temperature								
	Code	Light Distribution (required)								
	.AY	Asymmetric								
	.NR	Long and Narrow								
	Code	Colour (required)								
	.C1	White (RAL9016)								
	.C4	Graphite (RAL7011)								
	.C6	Grey (RAL7035)								
	.C7	Black (RAL9005)								
	.C9	Metallic Silver (RAL9006)								
	.RAL****	(customer choice)								
	Code	Options								
	.T1	Complete with NEMA socket. (To accept standard NEMA Photocell, available from Holophane)								
	.TSZ	Complete with miniature 70 lux factory fitted photocell. (Zodion SS12)								
	.TSZA	Complete with miniature 55 lux factory fitted photocell. (Zodion SS12A)								
	.TSZB	Complete with miniature 35 lux factory fitted photocell. (Zodion SS12B)								
	Code	Fixing Method (optional)								
	.SE60	60mm side entry mounting								
	Code	Control Gear (optional)								
	.CL7	Programmed to deliver 70% of the initial lumens over the life of the luminaire.								
	.CL8	Programmed to deliver 80% of the initial lumens over the life of the luminaire.								
	.CL9	Programmed to deliver 90% of the initial lumens over the life of the luminaire.								
.D2	DALI HF electronic control gear									
Code	Dimming Outputs (optional)									
.LRT56	pre-set to dim to 50% between 12am to 6am									
.LRT66	pre-set to dim to 60% between 12am to 6am									
.LRT76	pre-set to dim to 70% between 12am to 6am									
Code	Cable Entry (optional) max length catered for									
.FF10S	10 metres of 1.5mm² 3 core cable “flex” for side entry mounting									
.FS10S	10 metres of flat twin & earth 2.5mm² for side entry mounting									
.F510S	10 metres of 1.5mm² 5 core cable “flex” for side entry mounting									
FTR	.LA144	.AY	.C1	.TSZ	.SE60	.CL7	.LRT56	.FFT10S		

Code	Factor Small		
FTS			
Code	Lamp Type (required)		
.LA024	LED light engine producing c.2,000 lm with a nominal 4000°K colour temperature		
.LA034	LED light engine producing c.3,000 lm with a nominal 4000°K colour temperature		
.LA054	LED light engine producing c.5,000 lm with a nominal 4000°K colour temperature		
.LA064	LED light engine producing c.6,000 lm with a nominal 4000°K colour temperature		
.LA074	LED light engine producing c.7,000 lm with a nominal 4000°K colour temperature		
.LA084	LED light engine producing c.8,000 lm with a nominal 4000°K colour temperature		
.LA124	LED light engine producing c.12,000 lm with a nominal 4000°K colour temperature		
Code	Light Distribution (required)		
.AY	Asymmetric		
.NR	Long and Narrow		
Code	Colour (required)		
.C1	Smooth White (RAL9016)		
.C4	Graphite (RAL7011)		
.C6	Grey (RAL7035)		
.C7	Black (RAL9005)		
.C9	Metallic Silver (RAL9006)		
.RAL****	(customer choice)		
Code	Options		
.T1	Complete with NEMA socket. (To accept standard NEMA Photocell, available from Holophane)		
.TSZ	Complete with miniature 70 lux factory fitted photocell. (Zodion SS12)		
.TSZA	Complete with miniature 55 lux factory fitted photocell. (Zodion SS12A)		
.TSZB	Complete with miniature 35 lux factory fitted photocell. (Zodion SS12B)		
Code	Fixing Method (optional)		
.SE60	60mm side entry mounting		
.SE34	34mm side entry mounting		
Code	Control Gear (optional)		
.CL7	Programmed to deliver 70% of the initial lumens over the life of the luminaire.		
.CL8	Programmed to deliver 80% of the initial lumens over the life of the luminaire.		
.CL9	Programmed to deliver 90% of the initial lumens over the life of the luminaire.		
.D2	DALI HF electronic control gear		
Code	Dimming Outputs (optional)		
.LRT56	pre-set to dim to 50% between 12am to 6am		
.LRT66	pre-set to dim to 60% between 12am to 6am		
.LRT76	pre-set to dim to 70% between 12am to 6am		
Code	Cable Entry (optional) max length catered for		
.FF10S	10 metres of 1.5mm² 3 core cable “flex” for side entry mounting		
.FS10S	10 metres of flat twin & earth 2.5mm² for side entry mounting		
.F510S	10 metres of 1.5mm² 5 core cable “flex” for side entry mounting		

Note: Factor and Factor Small are offered with 42mm side entry as standard

The **High Mast Advanced Optix (HMAO)** luminaire has been engineered for new and retrofit high mast applications. With the latest in high-efficiency LED technology it provides a complete lighting solution for the simplest through to the most complex area lighting applications.



optics / light source

- > Fully soak tested light engines ensuring LED reliability
- > 70 CRI
- > 4000°K colour temperature
- > Three lumen packages available (30,000, 44,000 & 58,000)

approvals

Complies with EN60598

Ta -20°C to 35°C

For further information please visit the Holophane website www.holophane.co.uk

applications

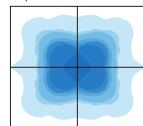
Freight Terminals	Ports and docks
Industrial	Airports
Facilities	Motorways
Car Parks/Truck Stops	Toll Plazas

weight

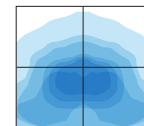
23kg

light distribution

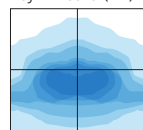
Square (SQ)



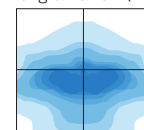
Forward throw (FW)



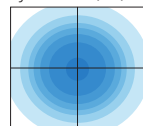
Asymmetric (AY)



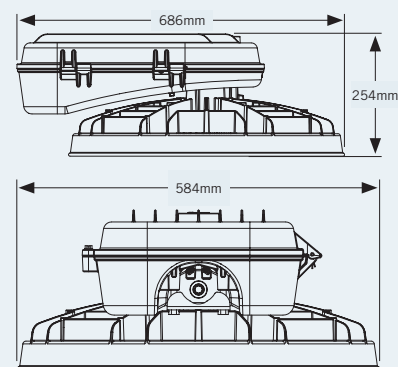
Long & narrow (NR)



Symmetric (SY)



dimensions in mm



typical luminaire performance

Configuration	Delivered Lumens	Power Consumption (W)	Drive Current (mA)	Rated Life of LED Module (L70B50 @Tq 20°C)
HAL.L304	c.30,000	252W	1000mA	100,000
HAL.L444	c.44,000	376W	1000mA	100,000
HAL.L584	c.58,000	490W	1000mA	100,000

Note: Data is correct at time of print.



ordering details – luminaire

Code

HMAO High Mast Advanced Optix

Code Lamp Type (required)

.L304	LED light engine producing c.30,000 lumens with a nominal 4000°K colour temperature
.L444	LED light engine producing c 44,000 lumens with a nominal 4000°K colour temperature
.L584	LED light engine producing c.58,000 lumens with a nominal 4000°K colour temperature

Code Optics

.NR	Long and narrow light distribution
.AY	Asymmetric light distribution
.FW	Forward throw light distribution
.SQ	Square light distribution
.SY	Symmetric light distribution

Code Colour (required)

.C9	Metallic Silver RAL9006
.RAL****	RAL Colour (customer choice)

Code Control Gear (options)

.ANF	Analogue (1-10 volt DC) fast dim
.LRD	DALI, number of addresses will vary on the lumen version configured
.CL7	Programmed to deliver 70% of the initial lumens over the life of the luminaire
.CL8	Programmed to deliver 80% of the initial lumens over the life of the luminaire
.CL9	Programmed to deliver 90% of the initial lumens over the life of the luminaire

Code Photocell (options)

.T	Complete with factory fitted photocell
.T1	Complete with NEMA socket to accept standard NEMA Photocell, available from Holophane

Example	HMAO	.L304	.NR	.C9	.LRD	.T
---------	------	-------	-----	-----	------	----

Note: 42/60mm side entry, 10kV surge protection & enhanced paint finish as standard on all versions.

accessories

Code

HMAO.SD90	90° shield
HMAO.SD120	120° shield
HMAO.SD180	180° shield

T·MAX™ has been designed around the latest in Solid State Lighting, captured inside a housing that is guaranteed to last for decades within tunnel environments. Our drive was to ensure that today's technology will still be applicable and effective in the future. Under the extremes of actual working environments the technology within T·MAX™ has been designed to deliver at up to 60°C ambient temperatures.

optics / light source

- > Lumen package ranging from 6000lm to 40000lm
- > 9 Distribution options
- > Color temperature 4000k
- > Class I
- > Suitable for working ambients of -40°C to 55°C
- > Designed to IP66
- > IK 9 suitable for high pressure jet cleaning
- > Fixing System – lineal & projector
- > IP68 IP69K cable gland

approvals

CE

IP 66 light engines (EN 60529)

IP 66 gear compartment (EN 60529)

Ta -40°C to +60°C

For further information please visit the Holophane website
www.holophane.co.uk

weight (without fixture kits or drivers)

TMX.L064/L084/L104/L124 => 5.3kg

TMX.L164/L204/L314/L404 => 8.8kg

TMX.L314/L404 => 17.6kg

weight (without fixture kits)

GBOX.L064/L084/L104/L124 => 1.9kg

GBOX.L164/L204/L314/L404 => 2.9kg

Photometric distributions

- .L1L7 => Long 60° & Wide 45°/15°
- .L7L0 => Long 70° & Wide 60°/15°
- .L5L6 => Long 70° & Narrow 20°
- .L1L5 => Long 60° & Narrow 20°
- .L1L6 => Long 60° & Narrow 30°
- .L6L6 => Long 70° & Wide Symmetric 40°
- .L1L1 => Long 60° & Narrow Symmetric 20°
- .L7L7 => Long 70° & Narrow Symmetric 30°
- .L8L7 => Asymmetric 50°

Luminaire Designed to Achieve Ta +25°C - Ambient

Configuration	N° LEDs	Drive Current (mA)	Power Consumption (W)	Delivered Lumens at 25°C (lm)	LPW at 25°C (lm/W)	CCT (K)	Projected Life of LED Module (L70B50 @ Tq 30°C) (Hours)
.L064	8	600	59	c.6000	113	4.000	100,000
.L084	10	600	73	c.8000	113	4.000	100,000
.L104	13	600	95	c.10000	113	4.000	100,000
.L124	15	600	110	c.12000	113	4.000	100,000
.L164	20	600	147	c.16000	113	4.000	100,000
.L204	24	600	176	c.20000	113	4.000	100,000
.L314	40	600	286	c.31000	116	4.000	100,000
.L404	48	600	353	c.40000	113	4.000	100,000

Luminaire Designed to Achieve Ta +40°C - Ambient

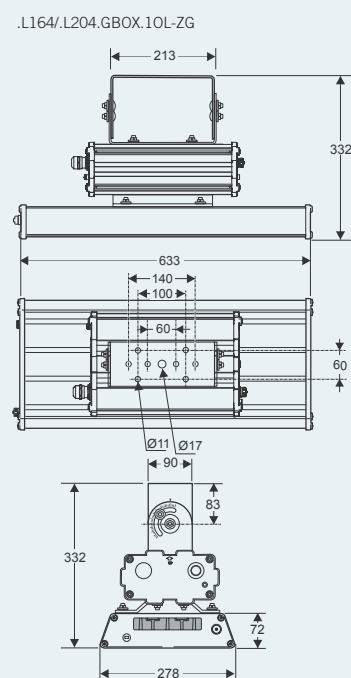
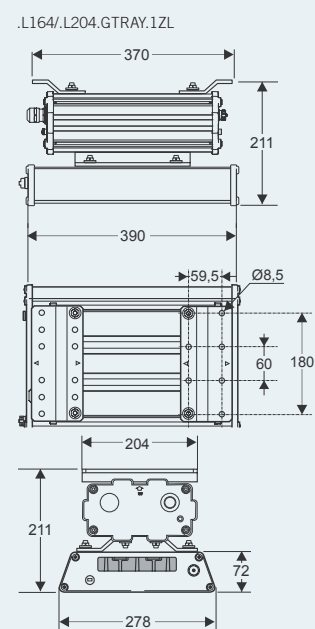
Configuration	N° LEDs	Drive Current (mA)	Power Consumption (W)	Delivered Lumens at 40°C (lm)	LPW at 40°C (lm/W)	CCT (K)	Projected Life of LED Module (L70B50 @ Tq 30°C) (Hours)
.L064	8	600	59	c.6000	112	4.000	100,000
.L084	10	600	73	c.8000	112	4.000	100,000
.L104	13	600	95	c.10000	112	4.000	100,000
.L124	15	600	110	c.12000	112	4.000	100,000
.L164	20	600	147	c.16000	112	4.000	100,000
.L204	24	600	176	c.20000	112	4.000	100,000
.L314	40	600	286	c.31000	115	4.000	100,000
.L404	48	600	353	c.40000	112	4.000	100,000

The above is just an example of the lumen packages offered. For more information on the performance characteristics of T·MAX™, please contact your Holophane representative.

Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing. In accordance with IESNA TM-21-11. Calculated Values represent time durations that exceed 6 times the IESNA LM-80-08 total test duration for the driver under testing.

Note: Information correct at time of printing. The company reserves the right to modify the value at any time.

dimensions in mm





ordering details – luminaire

Code										
TMX	TMAX - Tunnel Luminaire									
	Code	Lamp Type (required)								
	.L064	LED light engine producing c.6,000 lm with a nominal 4,000K colour temperature								
	.L084	LED light engine producing c.8,000 lm with a nominal 4,000K colour temperature								
	.L104	LED light engine producing c.10,000 lm with a nominal 4,000K colour temperature								
	.L124	LED light engine producing c.12,000 lm with a nominal 4,000K colour temperature								
	.L164	LED light engine producing c.16,000 lm with a nominal 4,000K colour temperature								
	.L204	LED light engine producing c.20,000 lm with a nominal 4,000K colour temperature								
	.L314	LED light engine producing c.31,000 lm with a nominal 4,000K colour temperature								
	.L404	LED light engine producing c.40,000 lm with a nominal 4,000K colour temperature								
	Code	Optical Distribution								
	.L1L7	Long 60° & Wide 45°/15°								
	.L7L0	Long 70° & Wide 60°/15°								
	.L5L6	Long 70° & Narrow 20°								
	.L1L5	Long 60° & Narrow 20°								
	.L1L6	Long 60° & Narrow 30°								
	.L6L6	Long 70° & Wide Symmetric 40°								
	.L1L1	Long 60° & Narrow Symmetric 20°								
	.L7L7	Long 70° & Narrow Symmetric 30°								
	.L8L7	Asymmetric 50°								
	Code	Gear equipment								
	.GBOX	With control gear box								
	.GTRAY*	Without control gear box (only gear tray)								
	Code	Cable connection length** (option)								
	.FL309	3 core cable (90 cm) with IP connector								
	.FL318	3 core cable (180 cm) with IP connector								
	.FL390	3 core cable (900 cm) with IP connector								
	.FL509	5 core cable (90 cm) with IP connector								
	.FL518	5 core cable (180 cm) with IP connector								
	.FL590	5 core cable (900 cm) with IP connector								
	Code	High ambient (option)								
	.D03	Suitable for a maximum ambient temperature of 60°C								
	Code	Fuse protection (option)								
	.CFUS	With fuse included								
	Code	Control gear (option)								
	.LRD	LED dimmable DALI protocol								
	.ANF	LED dimmable 1-10V								
	Code	Colour								
	.C9	RAL 9006								
	.RAL ****	RAL colour (customer choice)								
	Code	Fixing method (2)								
	.10L*	Kit 1 LED unit: Rotational Bracket for Luminaire								
	.10LZG	Kit 1 LED unit: Rotational Bracket for Luminaire & Z Bracket for Gbox								
	.1ZL*	Kit 1 LED unit: Z Bracket for Luminaire								
	.1ZLZG	Kit 1 LED unit: Z Bracket for Luminaire & Z Bracket for Gbox								
	.20LZG	Kit 2 LED unit: Rotational Bracket for Luminaire & Z Bracket for GBox								
.2ZLZG	Kit 2 LED unit: Z Bracket for Luminaire & Z Bracket for Gbox									
.20PL*	Kit 2 LED unit: Rotational Bracket for Luminaire Perpendicular									
.20PLZG	Kit 2 LED unit: Rotational Bracket for Luminaire Perpendicular & Z Bracket for Gbox									
.20SL*	Kit 2 LED unit: Rotational Bracket for Luminaire Side									
.20SLZG	Kit 2 LED unit: Rotational Bracket for Luminaire Side & Z Bracket for Gbox									
Code	Overvoltage protection system (option)									
.C-PROTEC	With overvoltage protection									
TMX	.L064	.L1L7	.GBOX	.FL309	.D03	.CFUS	.LRD	.C9	.10L	.C-PROTEC

* This version will be available under special request after confirm the required gear-tray dimensions.

Metrolux™ has been specifically designed for use in underground rail tunnel systems, employing a prismatic glass refractor to control light output and a die-cast aluminium front frame and body for the durability required for tunnels and a multitude of industrial applications. Stainless steel quick release door latches allow easy access to the lamp and control gear compartment for quick and simple maintenance. A vital feature for use in tunnels is the special safety mechanism preventing the door from swinging wide open.

features and benefits

Rugged die-cast aluminium construction

> Durable

Prismatic optics

> Controlled light output

> Available with shallow and deep glass versions

Stainless steel quick release door latches

> Tool free maintenance

Door safety mechanism

> Prevents door from accidentally swinging fully open

Retrofit LED module

> Allows existing installation to be updated

optics / light source

> Available with deep and shallow glass optics

> 1,000 lumen package

> 70 CRI

> 5300°K colour temperature

typical luminaire performance

Configuration	Delivered Lumens	Power Consumption (W)	Drive Current (mA)	Rated Life of LED Module (L70B50 @Tq 45°C)*
MTX.14LED	c. 1000	20W	410mA	100,000+ hours

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

approvals

Complies with EN60598

IP IP65

Ta 0°C to 40°C

CE

For further information please visit the Holophane website
www.holophane.co.uk

applications

Rail tunnels

Industrial tunnels

Security lighting

Gantries

Boiler houses

Conveyor tunnels

Local industrial

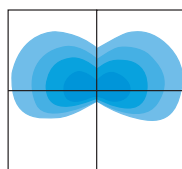
lighting

weight

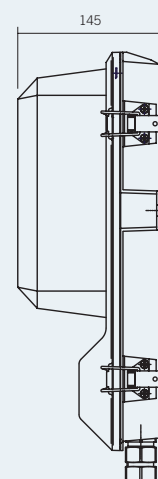
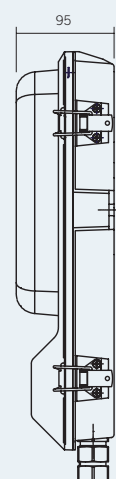
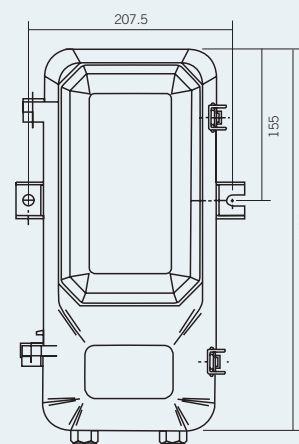
14LED

6.0kg

light distribution



dimensions in mm



Fixing suitable for M10 bolts



ordering details – luminaire

Code

MTX	Metrolux						
	Code	Lamp Type					
	.14LED	14 x 1.3w Cool White LEDs (6000K)					
		Code	Optic (required)				
		.SG	Shallow glass lens				
		.DG	Deep glass lens				
		Code	Colour				
		.C1	White (RAL 9016)				
		.RAL ****	RAL colour (customer choice)*				
		Code	Paint Finish				
		.C	Enhanced Paint Finish				
		Code	Terminal Blocks				
		.DTB	Din Rail mounted connections, complete with FUSE, for up to 10mm sq. conductors. Suitable for looping in and out. With additional 20mm cable gland entry				
		Code	Fixing Method				
		.SLH	Spring loaded hinge				
Example	MTX	.14LED	.SG	.C1	.C	.DTB	.SLH

*Please specify RAL colour reference.

Note: Luminaires are supplied as standard for use on 240V 50Hz supply and complete with lamp.
For 230V 50Hz add prefix 'N'. Other voltages available on request.

spares

Code

MTX.GT.14LED	Replacement Metrolux 14 x 1.3W LED gear tray with driver, 240v 50Hz
---------------------	---

widerlite™

Widerlite™ is suitable for a wide range of heavy duty industrial and tunnel applications, using a prismatic glass refractor to control light output and a diecast aluminium front frame and body to guarantee the durability needed for these applications. A concealed hinge and single screw ensures easy access with minimal usage of tools for maintenance.

features and benefits

Rugged die-cast aluminium construction

> Durable

Prismatic optics

> Controlled light output

Single screw for maintenance access

> Minimal tools for maintenance

approvals

Complies with EN60598

CE

IP IP65

Ta 0°C to + 40°C

For further information please visit the Holophane website
www.holophane.co.uk

typical luminaire performance

Configuration	Delivered Lumens	Power Consumption (W)	Drive Current (mA)	Rated Life of LED Module (L70B50 @Tq 50°C)*
WDL12LED	c. 1000	16W	350mA	100,000+ hours

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

applications

Rail tunnels

Industrial tunnels

Security lighting

Gantries

Boiler houses

Conveyor tunnels

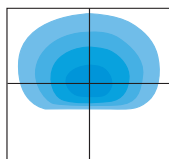
Local industrial

lighting

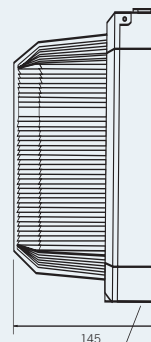
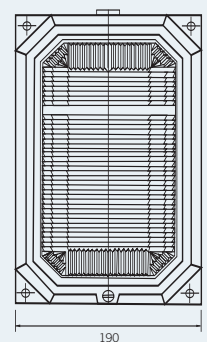
weight (with control gear)

3.9kg

light distribution



dimensions in mm



20mm
conduct entry
both ends



ordering details – luminaire

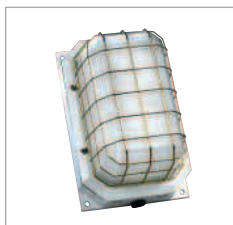
Code						
WDL	Widerlite					
	Code	Lamp Type				
	.12LED	12 x 1.2w Neutral White LEDs (4500k)				
		Code	Colour			
		.C1	White (RAL 9016)			
		.RAL****	RAL colour (customer choice)*			
		Code	Paint Finish			
		.C	Enhanced Paint Finish			
		Code	Guard			
		.G1	Wire guard			
		Code	Screws			
		.SS	Stainless Steel Screws			
Example	WDL	.12LED	.C1	.C	.G1	.SS

*Please specify RAL colour reference.

Note: Luminaires are supplied as standard for use on 240V 50Hz supply and complete with lamp.
For 230V 50Hz add prefix 'N'. Other voltages available on request.

spares

Code	
WDL.GT.12LED	Replacement Widerlite 12 x 1.2W LED gear tray with driver, 240v 50Hz



.G1 Wire Guard



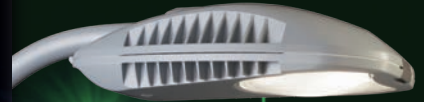
LED Gear Tray



amenity
lighting



D-Series



Denver™
Elite Pole



Aeris® Medium



Vista™ Junior



Denver™ Elite
Bollard

D-SERIES

The modern styling of the **D-Series** is striking yet unobtrusive – making a bold, progressive statement as it blends seamlessly with its environment. D-Series takes all the benefits of LED technology and moulds it into a high performance, high efficacy and long life area lighting luminaire.

optics / light source

- > 30, 60, 80 & 100 LED options available
- > Fully soak tested light engines ensuring LED reliability and eliminating early failures
- > 4000°K colour temperature
- > Eight lumen packages available (5,000, 6,000, 8,000 11,000, 16,000, 22,000, 30,000 & 36,000).

approvals

Complies with EN60598

CE

IP IP65 luminaire* and LED optic

* .TLS option is IP43 rated with IP65 LED optics

Ta -40°C to +40°C

For further information please visit the Holophane website
www.holophane.co.uk

applications

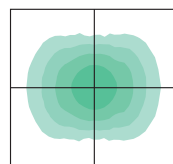
Landscaped areas Retail parks
Car parks Entrance roads
Amenity areas Parks
Town squares

weight (with control gear)

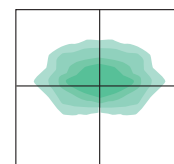
DSX 1 12.2kg
DSX 2 15.0kg

light distribution

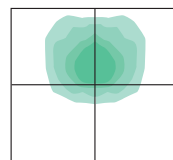
Symmetric



Asymmetric



Forward Throw



typical luminaire performance

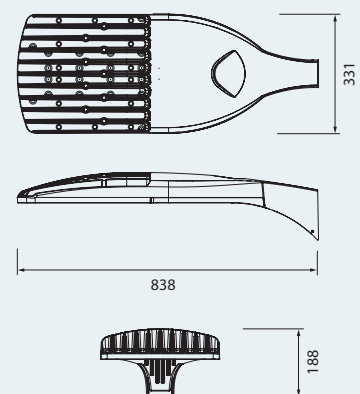
Configuration	Delivered Lumens	Power Consumption	Drive Current	Rated Life of LED Module (L70B50 @Tq 20°C)*
DSX1.LA054	4842	34W	350mA	100,000+ hrs
DSX1.LA064	6653	51W	525mA	100,000+ hrs
DSX1.LA084	8450	68W	700mA	100,000+ hrs
DSX1.LA114	11557	98W	1050mA	100,000+ hrs
DSX1.LA164	16437	137W	700mA	100,000+ hrs
DSX1.LA224	22479	195W	1050mA	100,000+ hrs
DSX2.LA304	30188	260W	1050mA	100,000+ hrs
DSX2.LA364	36500	326W	1050mA	100,000+ hrs

Note: Data is correct at time of print.

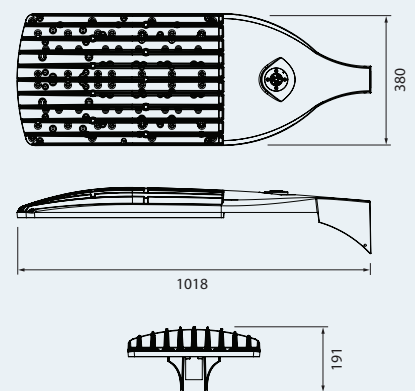
* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

dimensions in mm

D-Series 1



D-Series 2







ordering details – luminaire

Code

DSX1 D-Series 1 Luminaire



Code	Lamp Type (required)	
.LA054	LED light engine producing c 5,000 lumens with a nominal 4000°K colour temperature	
.LA064	LED light engine producing c 6,000 lumens with a nominal 4000°K colour temperature	
.LA084	LED light engine producing c 8,000 lumens with a nominal 4000°K colour temperature	
.LA114	LED light engine producing c 11,000 lumens with a nominal 4000°K colour temperature	
.LA164	LED light engine producing c 16,000 lumens with a nominal 4000°K colour temperature	
.LA224	LED light engine producing c 22,000 lumens with a nominal 4000°K colour temperature	
Code	Light Distribution	
.AY	Asymmetric	
.SY	Symmetric	
.FW	Forward throw	
Code	Colour	
.C1	White RAL9016	
.C4	Graphite RAL7011	
.C6	Grey RAL7035	
.C7	Black RAL9005	
.C9	Metallic Silver RAL9006	
.RAL****	RAL Colour (customer choice)**	
Code	Photocell	
.C	Enhanced Paint Finish	
.T1	Complete with NEMA socket (To accept standard NEMA Photocell, available from Holophane)	
.T	Mini Photocell	
.TLS	Tool-less entry trigger latch*	
.D2	DALI HF electronic control gear	

Example DSX1 .LA224 .AY .C7 .T

* .TLS option is IP43 rated with IP65 LED optics

Code

DSX2 D-Series 2 Luminaire

Code	Lamp Type (required)	
.LA304	LED light engine producing c 30,000 lumens with a nominal 4000°K colour temperature	
.LA364	LED light engine producing c 36,000 lumens with a nominal 4000°K colour temperature	
Code	Light Distribution	
.AY	Asymmetric	
.SY	Symmetric	
.FW	Forward throw	
Code	Colour	
.C1	White RAL9016	
.C4	Graphite RAL7011	
.C6	Grey RAL7035	
.C7	Black RAL9005	
.C9	Metallic Silver RAL9006	
.RAL****	RAL Colour (customer choice)**	
Code	Photocell	
.C	Enhanced Paint Finish	
.T1	Complete with NEMA socket (To accept standard NEMA Photocell, available from Holophane)	
.T	Mini Photocell	
.TLS	Tool-less entry trigger latch*	
.D2	DALI HF electronic control gear	

Example DSX2 .LA364 .AY .C7 .T

* .TLS option is IP43 rated with IP65 LED optics

The **Denver™ Elite Pole** exterior lighting luminaire joins the popular 'Denver™ Elite' family of lighting products. This family of products shares the same registered form to give designers flexibility in exterior lighting schemes.

features and benefits

Contemporary design

- > Unique 'registered' design that captures the form of the Denver Elite Family
- > Integrated bracket channel specifically designed for side entry mounting

High quality construction

- > Finned luminaire construction has been developed using high pressure die cast marine grade LM6 aluminium that incorporates thermal management benefits to ensure long life of the LED modules
- > Luminaire is designed to IP65 to ensure a fully weather sealed rating
- > Tool less latch ensures ease of access into gear compartment during installation and maintenance

Exceptional optical performance

- > Two distributions delivered with a combination of bespoke reflector designs and precision glass lenses incorporating PrismaLED technology
- > Controlled upward light ensures 'Night Time Friendly' achieved with the recessed optical aperture

Complete lighting package

- > Integrated 60mm side entry bracket channel allows Denver Elite Pole to blend with a variety of columns designs
- > Fully integrated into Holophane standard column range

typical luminaire performance

Configuration	Delivered Lumens	Power Consumption (W)	Driver Current (mA)	Projected Life of LED Module (L70B50 @Tq 20°C)*
.LZ034	c. 3000	45W	500mA	97,000 hrs
.LZ054	c. 5000	75W	500mA	94,000 hrs
.LZ084	c. 8000	106W	500mA	94,000 hrs

*For other life metric data in line with IEC PA62722-2-1 and 62717 contact your Holophane Representative for details.

Note: Data is correct at time of print.

optics / light source

- > Fully soak tested LED light engines ensuring reliability and eliminating early failures
- > Prismatic glass lens
- > 3,000 - 8,000 LED lumen packages

approvals

Complies with EN60598

CE

IP IP65 luminaire

Ta -30°C to +35°C

For further information please visit the Holophane website www.holophane.co.uk

applications

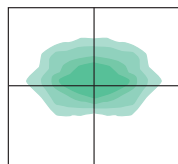
Landscaped areas Retail parks
Car parks Entrance roads
Amenity areas Parks
Town squares

weight (with control gear)

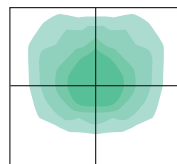
Denver™ Elite Pole 8.0kg

light distribution

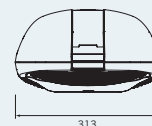
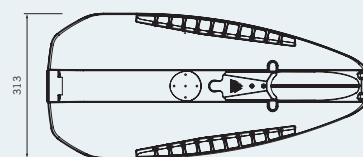
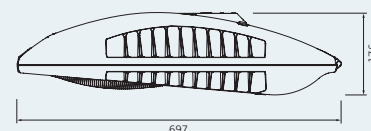
Long and Narrow



Asymmetric



dimensions in mm





ordering details – luminaire

Code

DEP	Denver Elite Pole						
	Code	Lamp Type (required)					
	.LZ034	LED light engine producing c.3,000 lm with a nominal 4000°K colour temperature*					
	.LZ054	LED light engine producing c.5,000 lm with a nominal 4000°K colour temperature*					
	.LZ084	LED light engine producing c.8,000 lm with a nominal 4000°K colour temperature*					
	Code	Distribution (required)					
	.AY	Asymmetric Distribution					
	Code	Colour (required)					
	.C1	Smooth White (RAL 9016)					
	.C4	Textured Graphite (RAL 7011)					
	.C6	Smooth Grey (RAL 7035)					
	.C7	Black (RAL 9005)					
	.C9	Metallic Silver (RAL 9006)					
	.RAL****	RAL Colour (customer choice)**					
	Code	Paint Finish					
	.C	Enhanced Paint Finish					
	Code	Photocell					
	.T	Photocell (Factory Fitted)					
	.T1	Complete with NEMA socket. (To accept standard NEMA Photocell, available from Holophane)					
	Code	Control Gear					
	.CL7	Programmed to deliver 70% of the initial lumens over the life of the luminaire					
	.CL8	Programmed to deliver 80% of the initial lumens over the life of the luminaire					
	.CL9	Programmed to deliver 90% of the initial lumens over the life of the luminaire					
	.D2	DALI HF electronic control gear					
Code	Dimming Outputs						
.LRT56	Pre-set to dim to 50% between 12am to 6am						
.LRT66	Pre-set to dim to 60% between 12am to 6am						
.LRT76	Pre-set to dim to 70% between 12am to 6am						
DEP.	LZ034	.AY	.C1	.C	.T	.CL7	.LRT56

Note: *AY distribution only. ** Please specify RAL colour reference.

luminaire accessories

Code

DEP.BLS	Back light shield
HEL.CBEPAC2	Electrical cutout box with earth plate for armoured cable
HEL.BIRD1	Bird spikes

aeris® medium

Aeris® successfully combines a low profile contemporary design with exceptional technical performance. Combined with its complementary range of columns and brackets, Aeris® enhances the environment with its daytime appearance when used in a variety of applications.

features and benefits

- Contemporary efficiency
 - > Energy efficient luminaire with excellent optical performance and contemporary design
- Unique low profile style
 - > Unique aesthetic appeal to complement today's architecture
- Solid cast aluminium construction
 - > Durability & strength
- Limited upward light
 - > 'Night time friendly'
- Segmented optical system
 - > Maximises design flexibility
- Two Light distributions
 - > Maximum efficiency and uniformity for various applications
- Single or twin mounting options
 - > Flexibility for different types of application

approvals

Complies with EN60598

CE

IP IP659

Ta -20°C to +35°C

For further information please visit the Holophane website
www.holophane.co.uk

typical luminaire performance

Configuration	Delivered Lumens	Power Consumption (W)	Driver Current (mA)	Projected Life of LED Module (L70B50 @Tq 20°C)*
ASM.63LED	c. 6000	75W	350mA	100,000+ hours

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

applications

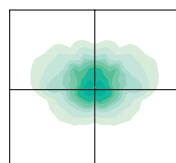
Landscaped areas Retail parks
 Car parks Entrance roads
 Amenity areas Parks
 Town squares

weight

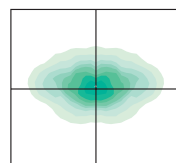
13.6kg

light distribution

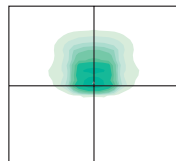
Asymmetric (.AY)



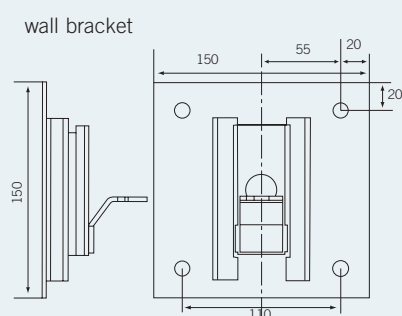
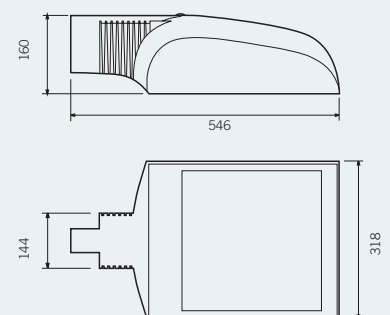
Forward Throw Wide (.FW)



Forward Throw Cut Off (.FWC)



dimensions in mm





ordering details – luminaire

Code					
ASM	Aeris Medium				
	Code	Lamp Type			
	.63LED	63 x 1.1W White LEDs 6000K			
		Code	Light Distribution		
		.AY	Asymmetric		
		.SY	Symmetric		
			Code	Colour	
			.C1	White (RAL 9016)	
			.C4	Graphite (RAL 7011)	
			.C6	Grey (RAL 7035)	
			.C7	Black (RAL 9005)	
			.C9	Metallic Silver (RAL 9006)	
			.RAL ****	RAL Colour (Customer Choice)*	
				Code	Options
				.C	Enhanced paint finish
Example	ASM	.63LED	.AY	.C1	.C

*Please specify RAL colour reference. Note. Other voltages available on request, timed igniters as special available on request.

luminaire accessories

order separately for on-site installation by others

Code	
ASM.BLS	Back Light Shield. For Use On Asymmetric Distribution Only

vista™ junior

Form and function are equally important in the design of luminaires for the outdoor environment. The modern architectural design of **Vista™ Junior** provides aesthetic choice combined with optical performance. A range of mounting solutions and optical enclosures allow use in stand-alone applications or together in harmony with its larger relatives. Light pollution is addressed through precise reflector design limiting all upward light emissions whilst a choice of optics accommodates the range of light distributions required.

features and benefits

Complementary styling

> Modern styling to match the low profile canopy option that delivers a sleek appearance

Versatile mounting arrangements

> Design flexibility

Precision optics

> Excellent performance

Design options with full cut-off capability

> Night time friendly

Tool-free access to lamp and gear tray

> Easy maintenance

> Fully weather sealed

approvals

Complies with EN60598

CE

IP IP65

IK09

For further information please visit the Holophane website
www.holophane.co.uk

typical luminaire performance

Configuration	Delivered Lumens	Power Consumption (W)	Driver Current (mA)	Projected Life of LED Module (L70B50)*
VSJ.L034	c. 3000	35W	350mA	100,000 hours
VSJ.L054	c. 5000	60W	350mA	100,000 hours
VSJ.L064	c. 7000	70W	350mA	100,000 hours

Note: Data is correct at time of print.

* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.

applications

Residential streets

Amenity areas

Entrance roads

Car parks

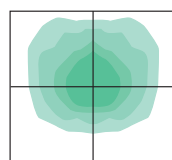
Pedestrian zones

Shopping precincts

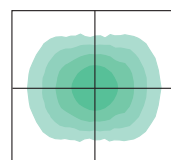
Town squares

Municipal parks

light distribution



Asymmetric

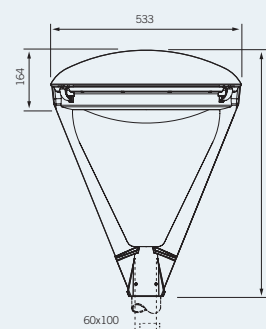


Symmetric

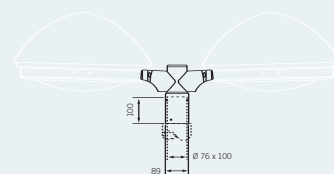
easy access for installation and maintenance



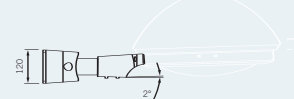
dimensions in mm



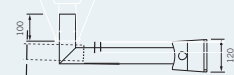
Bracket dimensions:



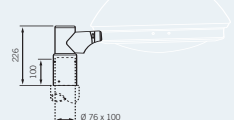
.LO bracket - double sided



.SE60 side entry



Wall mounting bracket for .CM60 option



.LO bracket - single sided



ordering details – luminaire

Code

VSJ	Vista Junior							
	Code	Lamp Type (required)						
	.L034	LED light engine producing c.3,000 lm with a nominal 4000K colour temperature						
	.L054	LED light engine producing c.5,000 lm with a nominal 4000K colour temperature						
	.L064	LED light engine producing c.7,000 lm with a nominal 4000K colour temperature						
		Code	Optics					
		.HA	High beam asymmetric distribution					
		.SY	Symmetrical distribution** (Use .SY for LED version)					
			Code	Enclosure Type				
			.CG	Curved glass (Use .CG for LED version)				
				Code	Canopy			
				.L	Low canopy			
					Code	Fixing method		
					.CM60	60mm Post top/wall cradle mounting		
					.CM76	76mm Post top cradle mounting		
					.SE60	60mm ø Side entry (.SE60 not available for LED version)		
						Code	Colour	
						.C1	White (RAL 9016)	
						.C4	Graphite (RAL 7011)	
						.C6	Grey (RAL 7035)	
						.C7	Black (RAL 9005)	
						.C9	Metallic Silver (RAL 9006) (.C9 only available for LED version)	
						.RAL****	RAL colour (customer choice)	
							Code	Dimming Outputs
							.LRD	DALI enabled
							.LRT*****	Dimming as per customer
Example	VSJ	.L034	.HA	.CG	.L	.CM60	.C1	.LRD

Please specify RAL colour reference.

Note: For 230V 50Hz add prefix 'N'. Other voltages available on request. **Only available with .CM60 and .CM76.

The **Denver™ Elite Bollard** combines a palette of design variables, which include aesthetic appeal, quality, durability and performance. A modern aesthetic design that incorporate LEDs in addition to standard white light sources. Despite its stylised design the prismatic optical performance of the bollard is still industry leading offering a choice of distributions.

features and benefits

Energy efficiency

> Achieves an efficiency of c. 76 lpw

Optical excellence

> PrismaLED technology optical control

approvals

> BS EN60598-1

> BS EN55015

> BS EN61000-3-2

> BS EN61000-3-3

> BS ENISO13732

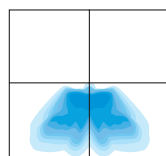
> BS EN62031

> BS EN62384

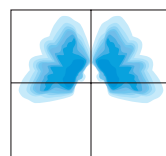
> BS EN62560

light distribution

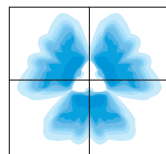
Symmetric single lens



Bisymmetric double lens



Symmetric triple lens



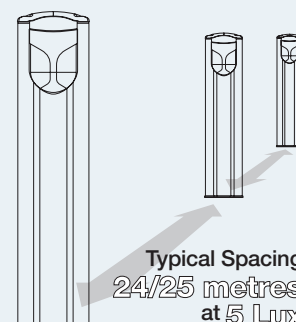
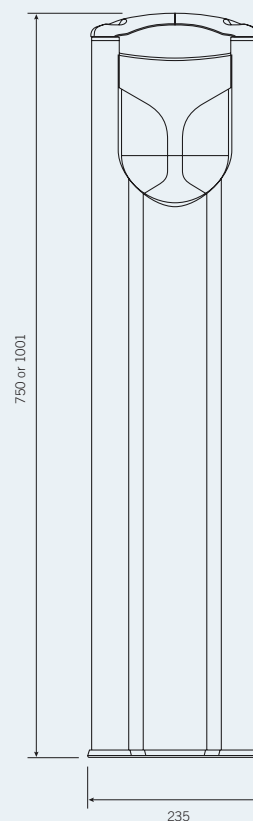
typical luminaire performance & thermal data

Configuration	Delivered Lumens	Power Consumption (W)	Driver Current (mA)	Temperature (°C)
.L014	c. 1000	12W	350mA	-20°C to TBC
.L024	c. 2000	23W	700mA	-20°C to TBC

*For other life metric data in line with IEC PA62722-2-1 and 62717 contact your Holophane Representative for details.

Note: Data is correct at time of print.

dimensions in mm





ordering details – luminaire

Code

DEB Denver Elite Bollard

Code Lamp Type (required)

.L014 LED light engine producing c.1,000 lm with a nominal 4000K colour temperature

.L024 LED light engine producing c.2,000 lm with a nominal 4000K colour temperature

Code Distribution

.PAY Asymmetrical Distribution

Code Enclosure

.SU Single Sided Asymmetric Distribution

.DO Double Sided Bisymmetric Distribution

.TR Triple Sided Symmetric Distribution

Code Head / Height

.H75 750mm High

.H100 1000mm High

Code Colour (required)

.C1 Smooth White (RAL 9016)

.C4 Textured Graphite (RAL 7011)

.C6 Smooth Grey (RAL 7035)

.C7 Black (RAL 9005)

.C9 Metallic Silver (RAL 9006)

.RAL**** RAL Colour (customer choice)

Code Paint Finish

.C Enhanced Paint Finish

Code Cut Outs

.MCB Mini circuit breaker

Code Auxiliary Circuits

.TW Through wiring

Code Emergency

.ME1 3hr maintained emergency IP65

Code Screws

.V1 Vandal-Resistant Screws

Code Optics

.A Acrylic Prismatic Lens

Example	DEB	.L014	.PAY	.SU	.H75	.C1	.C	.MCB	.TW	.ME1	.V1	.A
---------	-----	-------	------	-----	------	-----	----	------	-----	------	-----	----

luminaire accessories

Code

DBL.FT Set of 3 Bolts M10 x 100mm for Flange Base Fixing

DEB.ROOT Root Mounting Spike to fit Flange Base Denver Bollard



architectural



Walk Over

Drive Over

Underwater



Tetra Continuous 9000

Body of extruded aluminium alloy, corrosion resistant. Protection by means of iridite, epoxy powder base coating and polyester painting. 15mm extra-clear or painted in white flat tempered glass cover. A4 stainless steel screws. Product supplied with 1m power supply cable. AISI 430 stainless steel sleeve ordered separately, fixed by click system. Installation in sleeve set in concrete, with a 20-30 cm gravel drain bed. Can be installed as a continuous line. Gore-Tex valve prevents condensation.



400 Nano Stainless Steel Frame

Body / locking ring of AISI 316L stainless steel. 6mm extra-clear flat tempered glass. No visible screws, fixed by o-ring. IP68 protection rating with FULL DRY system preventing condensation. Product supplied with 0.5m power supply. PVC sleeve ordered separately. Installation in sleeve set in concrete, with a 20-30 cm gravel drain bed. External power supply by 350mA or 700mA CC transformer.



2100 Medio

Body of die-cast EN 44100 aluminium alloy, corrosion resistant. Locking ring made of AISI 316L stainless steel. Protection by means of iridite, epoxy powder base coating and polyester painting. 15mm extra-clear flat tempered glass cover. A4 stainless steel screws. IP68 protection rating with FULL DRY system preventing condensation. Product supplied with 1m power supply cable. Nylon sleeve ordered separately. Installation in sleeve set in concrete, with a 20-30 cm gravel drain bed.



Tetra Incasso 900

Body of extruded aluminium alloy, corrosion resistant. Locking ring made of AISI 316L stainless steel. Protection by means of iridite, epoxy powder base coating and polyester painting. A4 stainless steel screws. Product supplied with 1m power supply cable. 8mm flat tempered glass cover. AISI 430 stainless steel sleeve ordered separately. Installation in sleeve set in concrete, with a 20-30 cm gravel drain bed. It is possible to install fitting in wall. Gore-Tex valve to prevent condensation.



Mini Corniche

Body of AISI 316L stainless steel with electropolishing treatment. 5mm extra-clear flat tempered glass cover. IP68 protection rating. Product supplied with 5m power supply cable. Power supply to be made externally with 350mA constant current transformer (on 3 channels). Fitting can also be used out of water. Gore-Tex valve to prevent condensation.



Steel 200 Underwater

AISI 316L stainless steel body, flange and fixing bracket. 12mm extra-clear flat tempered glass cover. A4 stainless steel screws. IP68 protection rating with FULL DRY system preventing condensation inside the fitting. Product supplied with 5m power supply cable.

Floodlight



Mini Spring Floodlight

Die-cast aluminium body / locking ring. Protection by means of iridite, epoxy powder base coating and polyester painting. 5mm extra-clear flat tempered glass cover. A4 stainless steel screws. Product supplied with 1m power supply cable.



Steel 200 Floodlight

AISI 316L stainless steel body, flange and fixing bracket. 12mm extra-clear flat tempered glass cover. A4 stainless steel screws. IP68 protection rating with FULL DRY system preventing condensation inside the fitting. Product supplied with 1m power supply cable.

Bollard



Alien Bollard

Body of extruded, corrosion resistant, aluminium alloy. Head of corrosion resistant and painted die cast aluminium. Protection with anodizing treatment, epoxy powder base coating and polyester painting. A4 stainless steel screws. 4mm thick prismatic glass. Cable input Ø 8÷13mm. Supplied with inspection door.



Moon Bollard

Body of extruded aluminium alloy, corrosion resistant. Ring / fixing base made of die-cast aluminium alloy, corrosion resistant. Protection by means of iridite, epoxy powder base coating and polyester painting. LED light source integrated in the aluminium body to avoid vandalism. Product with no visible screws. Completely hidden ground fixing plate.

Post Top



Bali

Aluminium body, corrosion resistant. Die-cast aluminium locking flange, corrosion resistant. Protection by means of iridite, epoxy powder base coating and polyester painting. A4 stainless steel screws. 12mm flat tempered glass cover. Painted, zinc plated iron cylindrical pole, 102mm diameter, h.4000mm in height fixed to the ground by means of a base plate (ordered separately).



Tarsius

Made of corrosion resistant, die cast aluminium alloy. Protection with anodizing treatment, epoxy powder base coating and polyester painting. PMMA transparent diffuser, high-reflection anodized aluminium reflector. Supplied with 8m cable. Not necessary to open the product during installation. Closing frame with safety cables which can be opened by means of two leak-resistant stainless steel screws. Internal wiring Kit easy to remove for maintenance. Product equipped with adjustable articulated joint pitch 10°. Suitable for street lighting and urban furniture, for installation on poles with Ø 60mm and height from 6 to 8m. Pole installation with M6 dowels by means of 5 fastening points.

Wall Mounted

Wall Recessed

Ceiling Recessed



Circus Applique

Body of extruded aluminium alloy, corrosion resistant. Locking ring / fixing plate of die-cast aluminium alloy, corrosion resistant. Protection by means of iridite, epoxy powder base coating and polyester painting. 3mm opal polycarbonate cover. Product with no visible screws. Finishing ring with bayonet fixing system ordered separately.



Tetra Applique

Body of extruded aluminium alloy, corrosion resistant. Die-cast aluminium locking flange / wall fixing part, corrosion resistant. Protection by means of iridite, epoxy powder base coating and polyester painting. Wired by means of a quick connector. A4 stainless steel screws. 12mm flat tempered glass cover.



Frame

Die-cast aluminium body / locking ring. Protection by means of iridite, epoxy powder base coating and polyester painting. A4 stainless steel screws. 6mm extra-clear flat tempered glass cover. External power supply by 12V DC transformer. Nylon sleeve ordered separately. Product supplied with 0.3m power supply cable.



Promenade 200

Die-cast aluminium body, corrosion resistant. Die-cast aluminium locking flange, corrosion resistant. Protection by means of iridite, epoxy powder base coating and polyester painting. A4 stainless steel screws. 4mm flat tempered glass cover. Nylon sleeve to be ordered separately. 5÷9mm diameter cable allowed. It is possible to make "in-out" connection.



900 Recessed

Body of die-cast EN 44100 aluminium alloy, corrosion resistant. Protection by means of iridite, epoxy powder base coating and polyester painting. Locking ring made of AISI 316L stainless steel. 8mm extra-clear flat tempered glass cover. 80mm fixing hole diameter. Product with no visible screws and spring fixing system. IP68 protection rating with FULL DRY system preventing condensation. Product supplied with 0.5m power supply cable. External power supply by 350mA (serially connected) or 700mA (serially connected) CC transformer. Fixing springs suitable from 10-20mm thick ceilings.



Spot 200

Aluminium body, corrosion resistant. Die-cast aluminium locking flange, corrosion resistant. Protection by means of iridite, epoxy powder base coating and polyester painting. A4 stainless steel screws. 12mm flat tempered glass cover.

LED Luminaires



Holophane Europe Limited
Bond Avenue, Bletchley, Milton Keynes MK1 1JG United Kingdom
Telephone: +44 (0) 1908 649292 UK Fax: +44 (0) 1908 367618
International Fax: +44 (0) 1908 363789
E-mail: info@holophane.co.uk

www.holophane.co.uk

