

- NOTES
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT SPECIFICATIONS & LAYOUTS.
 - DO NOT SCALE FROM THIS DRAWING.
 - EXTERNAL LIGHTING TO BE CONTROLLED VIA TIMECLOCK & PHOTOCELL.
 - TARGET LUX LEVELS BASED ON BS5489 FOR MEDIUM TRAFFIC - 10 LUX FOR ROADWAYS, PATHWAYS BASED ON LG9 - 10 LUX FOR PEDESTRIAN WALKWAYS, STAIRS BASED ON BS489 - 20 LUX FOR STAIRWAYS.
 - COLUMNS AT GROUND LEVEL TO BE FIXED COLUMNS, ROOF MOUNTED COLUMNS AT VIADUCT LEVEL TO BE MID HINGED, FLANGE PLATE MOUNTED.
 - FOR DUCTING NOT ON PODIUM REFER TO EXTERNAL DRAWING VRS-BFL-ZZ-XX-DR-ME-96-3200.

LIGHTING LEGEND	
FITTING	DESCRIPTION
X1	SPURLITE LUZON BOLLARD 14W
X2a	SPURLITE PINNA 30W BULKHEAD, 'E' DENOTES WITH EMERGENCY
X2E	SPURLITE PINNA 12W BULKHEAD WITH INTEGRAL EMERGENCY
X3	SPURLITE URBINO 54W STREET LIGHTING LANTERN
X4	SPURLITE AVENIDA 32W POST TOP LANTERN
X5	SPURLITE BRICK 14W WALL MOUNTED DOWNLIGHT
X6	SPURLITE NESTA 14W GROUND RECESSED UPLIGHT
X7	LED INTEGRATED HANDRAIL LIGHTING - IN ABEYANCE, TO BE CONFIRMED
50mm Ø PRIVATE LV	
50mm Ø PRIVATE ELV	
600x600mm CABLE CHAMBER	
DISTRIBUTION BOARD	
PC	BUILDING MOUNTED PHOTOCELL

C04	WALL MOUNTED LIGHTING ADDED AT EXIT POINTS	DS	29.07.24
C03	STREET LIGHTING WITHIN SCP SCOPE REMOVED	GP	26.06.24
C02	UPDATED IN LINE WITH SPURLITE DESIGN	DS	30.05.24
C01	CONSTRUCTION ISSUE	GP	15.10.23
Rev	Description	Drawn	Date

Briggs & Forrester Living Ltd
6200 Daresbury Park
Daresbury
Warrington
Cheshire
WA4 4GE
www.briggsandforrester.co.uk Tel: (01928) 798279
Registered in England No. 1087051



Client:
CRUK CONSTRUCTION LTD

Project:
VICTORIA RIVERSIDE
MANCHESTER

Drawing Title:
SITEWIDE EXTERNAL LIGHTING LAYOUT

Scale: 1:200 @ A0 Checked: *DF*

Drawing Number: VRS-BFL-ZZ-XX-DR-E-63-2500 Rev: C04

Suitability: S4 Drawing Status: CONSTRUCTION

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Building Outline Information		
Architect's Drawing No.		Revision
VRS-HBA-00-01-DR-A-20_0009		C01
B&F PROJECT NUMBER:		

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 - COLUMNS AT GROUND LEVEL TO BE FIXED COLUMNS, ROOT MOUNTED. COLUMNS AT VIADUCT LEVEL TO BE MID HINGED, FLANGE PLATE MOUNTED.
 - FOR DUCTING NOT ON PODIUM REFER TO EXTERNAL DRAWING VRS-BFL-ZZ-XX-DR-ME-86-3000.

LIGHTING LEGEND	
FITTING	DESCRIPTION
X1	SPURLITE LUZON BOLLARD 14W
X2a	SPURLITE PINNA 35W BULKHEAD, 'E' DENOTES WITH EMERGENCY
X2E	SPURLITE PINNA 12W BULKHEAD WITH INTEGRAL EMERGENCY
X3	SPURLITE URBINO 54W STREET LIGHTING LANTERN
X4	SPURLITE AVENDA 32W POST TOP LANTERN
X5	SPURLITE BRICK 14W WALL MOUNTED DOWNLIGHT
X6	SPURLITE NESTA 14W GROUND RECESSED UPLIGHT
X7	LED INTEGRATED HANDRAIL LIGHTING - IN ABEYANCE, TO BE CONFIRMED

Rev	Description	Drawn	Date
P01	PRELIMINARY ISSUE	DS	30.07.24

Briggs & Forrester Living Ltd
6200 Daresbury Park
Daresbury
Warrington
Cheshire
WA4 4GE
www.briggsandforrester.co.uk
Registered in England No. 1481941

Tel: (01928) 798279

Client: CRUK CONSTRUCTION LTD

Project: VICTORIA RIVERSIDE MANCHESTER

Drawing Title: SITEWIDE EXTERNAL LIGHTING LUX PLOT

Scale: 1:200 @ A0 Checked: *DS*

Drawing Number:	VRS-BFL-ZZ-XX-DR-E-63-2501	Rev:	P01
Suitability:	S3	Drawing Status:	PRELIMINARY

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bsi
British Standards Institution
VC 655367

VRS Exterior - Handrail Lighting Option 2 RGB available choice of extrusion to suit

final handrail detail

LED TAPE

LV AND MAINS POWERED

Spurlite offer a wide range of LED tape which can be installed as supplied with adhesive tape and/or mounting clips, or which can be installed into a wide range of aluminium and plastic extrusion profiles.



SPECIFICATION

LED TAPE

- The tape can be equipped with different types of high quality Epistar LEDs. These can be any CCT, **RGB** and RGB+W
- Various power and luminous flux available
- Different input voltages: 12V DC, 24V DC, 48V DC, 230V AC etc.
- IP Rating
 - IP20
 - IP65: Silicon covering
 - IP67: Silicon tube**
 - IP68: Silicon filled
- Accessories
 - Mounting clips
 - End pieces
 - Connectors
 - Power supplies



Suitable for a variety of commercial and residential applications.

LED tape and extrusions come in many configurations of size, material, profile, power and efficacy.

Our team are on hand to assist you in selecting and supplying the optimal combination of these options to perfectly suit your project.

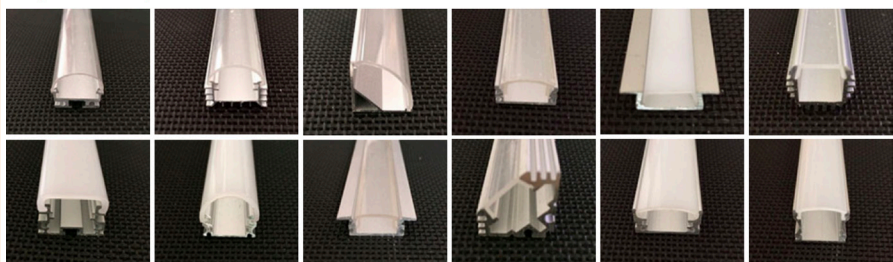
In addition to specifying and supplying the product, we can also offer a service to cut tape and extrusion to size as well as assembling and connecting sections prior to shipping.



EXTRUSION

- Material: Extruded aluminium or plastic body with a clear or opal diffuser
- Recessed/Surface mounted
- Choice of shapes and sizes

Examples of extrusion profiles



Spurlite Ltd

Unit 1, 6 Portman Road, Reading, Berkshire, RG30 1EA
T: 0118 955 3240 - F: 0118 959 5290 - E: sales@spurlite.co.uk

www.spurlite.co.uk



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VRS Exterior - Handrail Lighting option 1

MANO Not RGB HANDRAIL LUMINAIRE

ø36mm LED decorative fixtures in a modern form adapted for mounting in handrails with diameters of ø42.4mm and ø48.3mm and a minimum thickness of 2mm.

It is IP65 rated with an efficacy of 77 lumens/W and a service lifetime of 100,000 hours.

SPECIFICATION

- Mounting: in handrails and handles
- Body: high pressure die-cast aluminum
- Colour: silver
- Diffuser: lens
- Power supply efficiency: >85%
- Power: 2.4W, 24V DC
- Light source: LED
- Efficacy: 77lm/W
- CRI: ≥80
- Colour temperature: 3000K, 4000K
- Type of equipment: ED
- Electrical connection: 2x wire 1x1,5mm²
- Light distribution: asymmetric
- Way of lighting: direct
- Type of optic: lens
- ULOR / DLOR: 0/100
- Lifetime (L80B10): 100,000 hours
- Dimensions [mm] W x H: 36 x 35
- Operating temperature range: -30°C ... +50°C
- Protection: IP65, IK03
- Warranty: 5 years
- Additional information: the luminaire is adapted for mounting in handrails with a minimum thickness of 2mm and a diameter of ø42,4mm and ø48,3mm



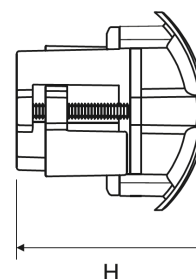
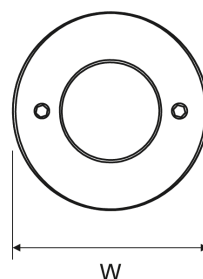
Suitable for architectural handrail lighting applications.





Code	Luminaire power [W]	Lumen luminaire [lm]	Efficacy [lm/W]	Colour temperature [K]	CRI/Ra	Type
140620.5L01.301	2,4	185	77	3000	≥80	ø48,3
140620.5L02.301	2,4	185	77	4000	≥80	ø48,3
140620.5L01.302	2,4	185	77	3000	≥80	ø42,4
140620.5L02.302	2,4	185	77	4000	≥80	ø42,4

Code	Dimensions [mm] W H	Mounting dimensions [mm] ØS	Net weight [kg]
140620.5L01.301	36 35	33	0.1
140620.5L02.301	36 35	33	0.1
140620.5L01.302	36 35	33	0.1
140620.5L02.302	36 35	33	0.1



ACCESSORIES



150190.01015

Power supply 20W 220...240/24V. Up to 8 luminaires up to 20 meters can be connected (for cable ø1,5 mm²).



150190.01019

Red wire LGY 1,5 450/700V 100 meters.



150190.01016

Power supply 40W 220...240/24V. Up to 16 luminaires up to 40 meters can be connected (for cable ø1,5 mm²).



150190.01020

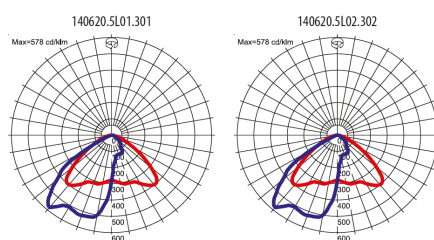
Black wire LGY 1,5 450/700V 100 meters.



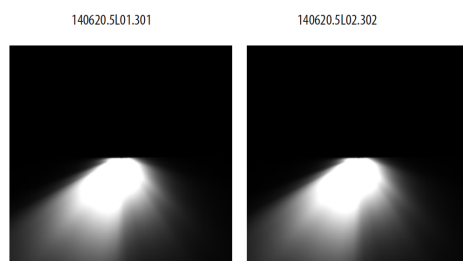
150190.01017

Power supply 60W 220...240/24V. Up to 24 luminaires up to 40 meters can be connected (for cable ø1,5 mm²).

LIGHT BEAM CURVES



WAY OF LIGHTING



Luminous flux tolerance +/- 10%.

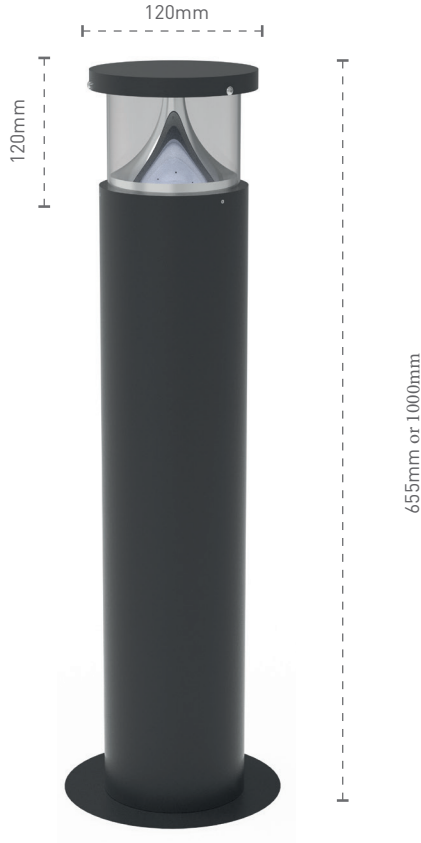
Power tolerance +/- 5%.

Lighting beam, light intensity distribution and light efficiency were examined in accordance with the EN ISO 17025:2005 norm for EN13032 norm series and the LM-79 norm.

Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The parameters in the data sheet are given for Ta=25°C.

BOLLARD LUMINAIRE

Luzon2

Mechanical Specifications

Mekanik Özellikler

Body	Gövde	Aluminium	Alüminyum
IP Rating	IP Sınıfı	IP54	
IK Rating	IK Gövde Sınıfı	IK08	
Fire Protection	Alev Koruması	650°C	
Cable Gland	Kablo Rakor	-	
Cable	Kablo	3x1mm ²	
RAL Code	Ral Kodu	9005 / 9006 / 7043	
Mounting Type	Montaj Tipi	Ground	
	Zemin		

Optical Specifications

Optik Özellikler

Light Source	Işık Kaynağı	Mid Power LED	
Reflector	Reflektör	Aluminium	
	Alüminyum		
Lens	Lens	-	
Diffuser	Difüzör	PMMA	
CRI		>70	
Colour Temperature	Renk Sıcaklığı	3000K / 4000K / 6500K	
Photobiological Risk Group	Fotobiyolojik Risk Grubu	RG1	
Beam Angle	Işık Açısı	-	

Electrical Specifications

Elektriksel Özellikler

Input Voltage	Giriş Gerilimi	220-240Vac	
Frequency	Frekans	50-60Hz	
Class	Sınıf	I	
System Lifetime	Sistem Ömrü	>50.000h	
Power Factor	Güç Faktörü	>0,90	
Operating Temperature	Çalışma Sıcaklığı	-20°C / +40°C	
Standards	Standartlar	EN60598-2-1, LM80, TM21	

Options

Opsiyonlar

DALI		-
1-10V		-
Step DIM		-
1hour Emergency Kit	1 Saat Acil Kit	-
3hour Emergency Kit	3 Saat Acil Kit	-
Electrical Protection	Elektriksel Sınıf	-
Microwave Sensor	Radar Sensör	-
RAL Code	RAL Kodu	✓
Marine Painting	Marin Boya	✓

Code No Ürün Kodu	Power Güç (W)	Luminous Flux Işık Akısı (lm)	Colour Temp. Renk Sıcaklığı (K)	Efficacy Etkinlik Faktörü (lm/W)	Dimensions Boyutlar (mm) axbxc	Pcs / Pack Koli Adedi	Package Weight Koli Ağırlığı (kg)
110753	14	1190	4000	85	655x120x120	1	4

& 1000 x120x120

Spurlite Ltd

Unit 1, 6 Portman Road, Reading, Berkshire, RG30 1EA

T: 0118 955 3240 - F: 0118 959 5290

E: sales@spurlite.co.uk - W: www.spurlite.co.uk

All your lighting needs in one address.
Tüm aydınlatma ihtiyaçlarınız için tek adres.



PINNA

IP65 LED WALL LIGHT

A modern and minimalist designed IP65 high output wall mounted luminaire for general outdoor amenity illumination.

It has an efficacy of up to 139 lumens/W and is supported by a 5 years warranty.

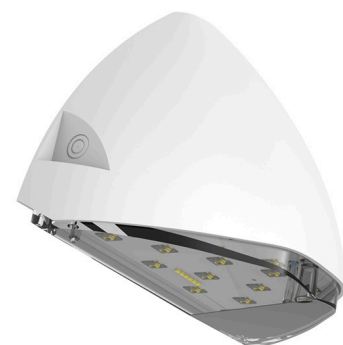
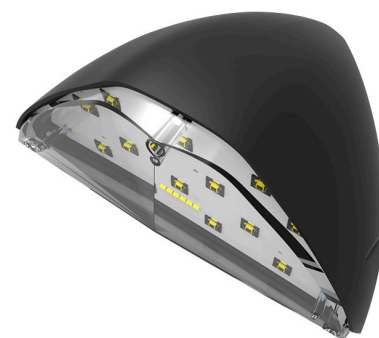
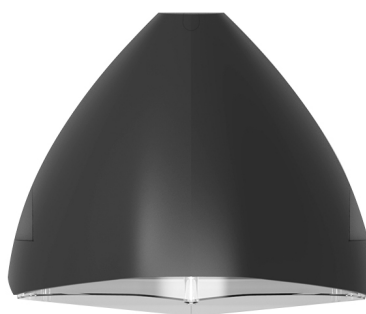


SPECIFICATION

- Die-casting aluminium base with polycarbonate cover and diffuser
- Modern and minimalist design, screw-less from front
- Versions:
 - 13W - 1700lm - 319x165x265mm
 - 18W - 2500lm - 319x165x265mm
 - 28W - 3500lm - 319x165x265mm
- Colour temperatures: 3000K, 4000K, 6500K
- Black, grey, anthracite or white colour finish
- IP65 ingress protection and IK10 impact resistance (IP66 on request)
- Suitable for rear and side cable entry
- Suitable for conduit and BESA box installation
- PCB integrated with diffuser for easy installation
- 5 years warranty
- Options:
 - Emergency
 - DALI
 - Microwave Sensor
 - Photocell
 - Open area light distribution
 - Asymmetric light distribution



Suitable for a variety of outdoor applications.





VRS Exterior - Reference X4

AVENIDA LENS LED POST TOP LUMINAIRE

A modern, post top mount area luminaire available in two styles, standard and modern hat, with a choice of optics and two colour finishes

This luminaire has an efficacy of up to 144 lumens/W and has a service lifetime of 100,000 hours.

SPECIFICATION

- Mounting: on pillar ø48/60/76mm, with mounting bracket (included)
- Body: high pressure die-cast aluminum
- Lateral Surface Wind Exposed: 0,088 m²
- Colour: graphite, grey
- Diffuser: polycarbonate
- Efficacy: ≤144 lm/W
- Colour temperature: 3000K, 4000K
- CRI: >70 Ra
- Power supply efficiency: >89%
- Power: 220-240V 50/60Hz
- Type of equipment: ED, DALI
- Electrical connection: luminaire equipped with 2x1,5 mm² wire with a length of 6 m (II class), luminaire equipped with 4x1,5 mm² wire with a length of 6 m (II class)
- Light distribution: symmetrical-elliptic, omni-directional
- Way of lighting: direct
- Choice of optics
- Lifetime (L90B10): 100,000 hours
- Available on request: LLOC, twilight sensor, 10kV surge protection, NTC
- Warranty: 5 years
- Note: the pole is not part of the luminaire



Suitable for various outdoor area lighting applications.



Standard



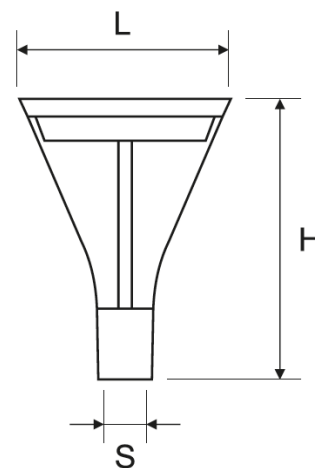
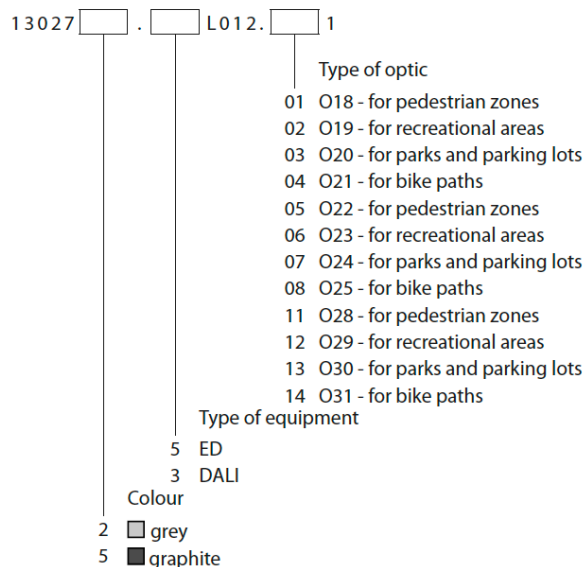
Modern Hat



Code	Luminaire power [W]	Lumen luminaire [lm]	Efficacy [lm/W]	Colour temperature [K]	CRI/Ra	Operating temperature range [°C]
Type: Standard luminaire - O18, O19, O20, O21 optics						
13027X.XL012.XX1	18	2200	122	3000	>70	-40 ... +55
13027X.XL022.XX1	18	2300	128	4000	>70	-40 ... +55
13027X.XL042.XX1	25	3000	120	3000	>70	-40 ... +55
13027X.XL052.XX1	25	3200	128	4000	>70	-40 ... +55
13027X.XL072.XX1	35	4000	114	3000	>70	-40 ... +50
13027X.XL082.XX1	35	4200	120	4000	>70	-40 ... +50
Type: Standard luminaire - O22, O23, O24, O25 optics						
13027X.XL102.XX1	35	4450	127	3000	>70	-40 ... +50
13027X.XL112.XX1	35	4600	131	4000	>70	-40 ... +50
13027X.XL132.XX1	49	6050	123	3000	>70	-40 ... +45
13027X.XL142.XX1	49	6350	130	4000	>70	-40 ... +45
Type: Standard luminaire - O28, O29, O30, O31 optics						
13027X.XL152.XX1	19	2400	126	3000	>70	-40 ... +50
13027X.XL162.XX1	19	2650	139	4000	>70	-40 ... +50
13027X.XL172.XX1	26	3400	131	3000	>70	-40 ... +50
13027X.XL182.XX1	26	3750	144	4000	>70	-40 ... +50
13027X.XL192.XX1	36	4500	125	3000	>70	-40 ... +50
13027X.XL202.XX1	36	4950	138	4000	>70	-40 ... +50
Type: Modern hat - O18, O19, O20, O21 optics						
13027X.XL012.XX1.846	18	2200	122	3000	>70	-40 ... +55
13027X.XL022.XX1.846	18	2300	128	4000	>70	-40 ... +55
13027X.XL042.XX1.846	25	3000	120	3000	>70	-40 ... +55
13027X.XL052.XX1.846	25	3200	128	4000	>70	-40 ... +55
13027X.XL072.XX1.846	35	4000	114	3000	>70	-40 ... +50
13027X.XL082.XX1.846	35	4200	120	4000	>70	-40 ... +50
Type: Modern hat - O22, O23, O24, O25 optics						
13027X.XL102.XX1.846	35	4450	127	3000	>70	-40 ... +50
13027X.XL112.XX1.846	35	4600	131	4000	>70	-40 ... +50
13027X.XL132.XX1.846	49	6050	123	3000	>70	-40 ... +45
13027X.XL142.XX1.846	49	6350	130	4000	>70	-40 ... +45
Type: Modern hat - O28, O29, O30, O31 optics						
13027X.XL152.XX1.846	19	2400	126	3000	>70	-40 ... +50
13027X.XL162.XX1.846	19	2650	139	4000	>70	-40 ... +50
13027X.XL172.XX1.846	26	3400	131	3000	>70	-40 ... +50
13027X.XL182.XX1.846	26	3750	144	4000	>70	-40 ... +50
13027X.XL192.XX1.846	36	4500	125	3000	>70	-40 ... +50
13027X.XL202.XX1.846	36	4950	138	4000	>70	-40 ... +50



Code	Dimensions [mm] LH	Mounting dimensions [mm] ØS	Net weight [kg]
Type: Standard luminaire - O18, O19, O20, O21 optics			
13027X.XL012.XX1	360 482	76	4.4
13027X.XL022.XX1	360 482	76	4.4
13027X.XL042.XX1	360 482	76	4.4
13027X.XL052.XX1	360 482	76	4.4
13027X.XL072.XX1	360 482	76	4.4
13027X.XL082.XX1	360 482	76	4.4
Type: Standard luminaire - O22, O23, O24, O25 optics			
13027X.XL102.XX1	360 482	76	4.4
13027X.XL112.XX1	360 482	76	4.4
13027X.XL132.XX1	360 482	76	4.4
13027X.XL142.XX1	360 482	76	4.4
Type: Standard luminaire - O28, O29, O30, O31 optics			
13027X.XL152.XX1	360 482	76	4.4
13027X.XL162.XX1	360 482	76	4.4
13027X.XL172.XX1	360 482	76	4.4
13027X.XL182.XX1	360 482	76	4.4
13027X.XL192.XX1	360 482	76	4.4
13027X.XL202.XX1	360 482	76	4.4
Type: Modern hat - O18, O19, O20, O21 optics			
13027X.XL012.XX1.846	665 486	76	6.1
13027X.XL022.XX1.846	665 486	76	6.1
13027X.XL042.XX1.846	665 486	76	6.1
13027X.XL052.XX1.846	665 486	76	6.1
13027X.XL072.XX1.846	665 486	76	6.1
13027X.XL082.XX1.846	665 486	76	6.1
Type: Modern hat - O22, O23, O24, O25 optics			
13027X.XL102.XX1.846	665 486	76	6.1
13027X.XL112.XX1.846	665 486	76	6.1
13027X.XL132.XX1.846	665 486	76	6.1
13027X.XL142.XX1.846	665 486	76	6.1
Type: Modern hat - O28, O29, O30, O31 optics			
13027X.XL152.XX1.846	665 486	76	6.1
13027X.XL162.XX1.846	665 486	76	6.1
13027X.XL172.XX1.846	665 486	76	6.1
13027X.XL182.XX1.846	665 486	76	6.1
13027X.XL192.XX1.846	665 486	76	6.1
13027X.XL202.XX1.846	665 486	76	6.1





OTHER PICTURES



Modern hat

ACCESSORIES



■ 150175.00983
■ 150172.00968

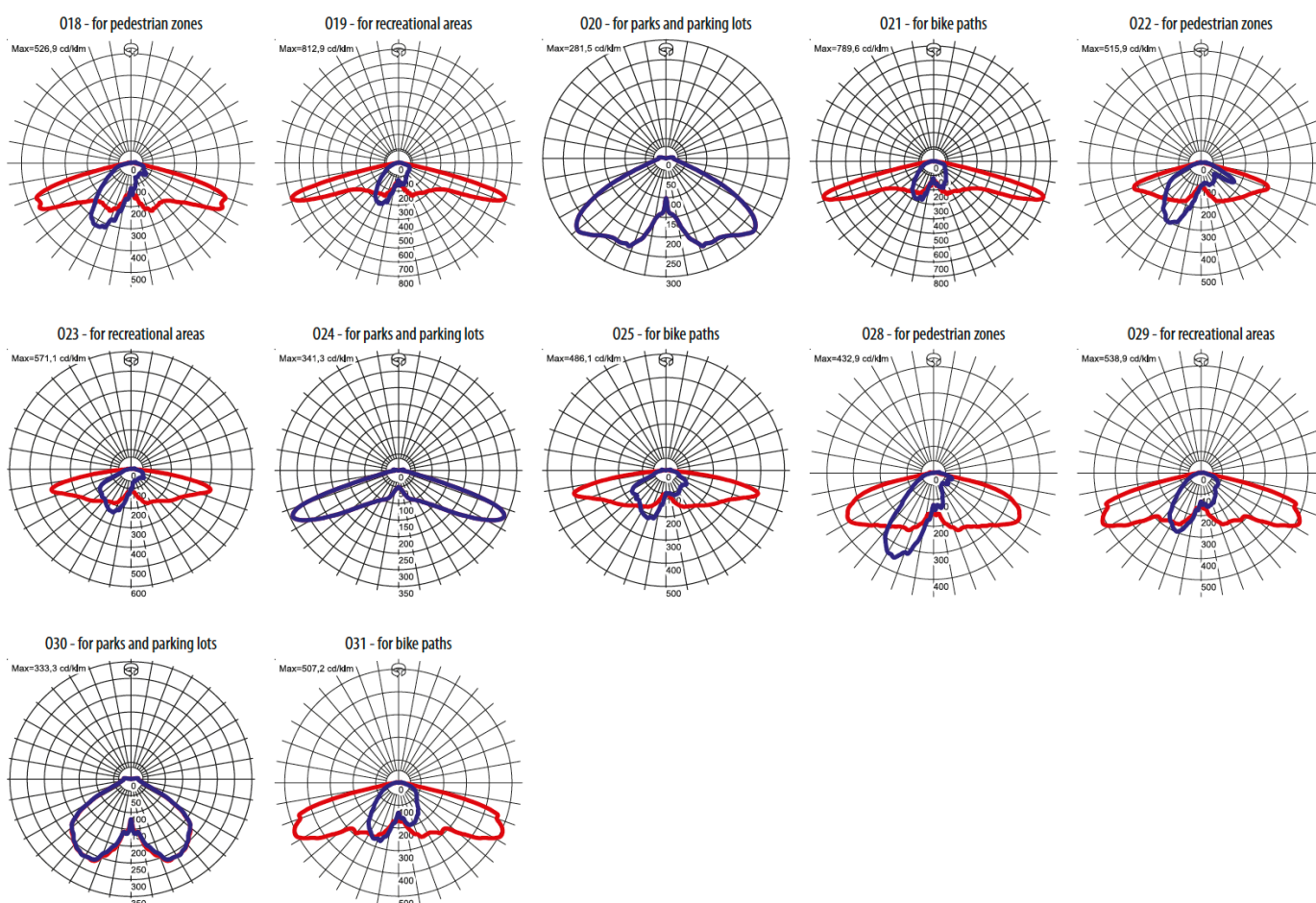
Cover masking ø48 mm



■ 150175.00982
■ 150172.00966

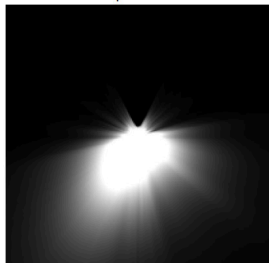
Cover masking ø60 mm

LIGHT BEAM CURVES

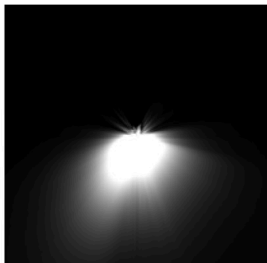


WAY OF LIGHTING

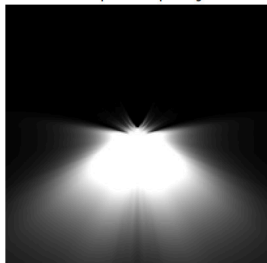
018 - for pedestrian zones



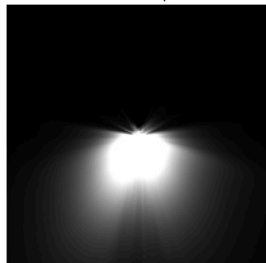
019 - for recreational areas



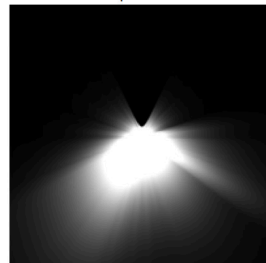
020 - for parks and parking lots



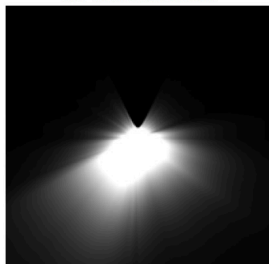
021 - for bike paths



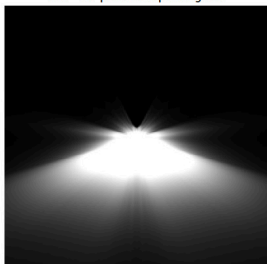
022 - for pedestrian zones



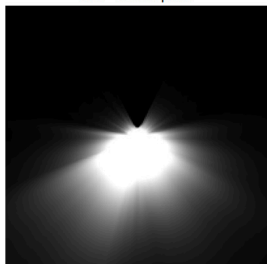
023 - for recreational areas



024 - for parks and parking lots



025 - for bike paths



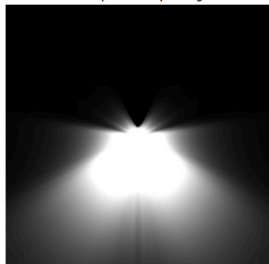
028 - for pedestrian zones



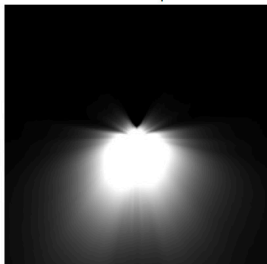
029 - for recreational areas



030 - for parks and parking lots



031 - for bike paths



Luminous flux tolerance +/- 10%.
Power tolerance +/- 5%.

Please note that the standard luminaire is not intended for use in an environment with a high degree of salinity. If it is required to adapt the luminaire to work in such an environment, please contact our Sales Department to confirm the possibility of using an additional protective coating.

Detailed information on luminous fluxes and powers for individual indexes are indicated on the product data sheet.

The parameters in the data sheet are given for Ta=25°C.

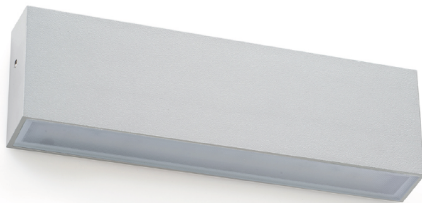
The operating temperature ranges apply only to luminaires used in the outdoor environment.



BRICK / 30802 1.2.05

Diffused (sanblasted glass)

VRS - Exterior - Reference X5



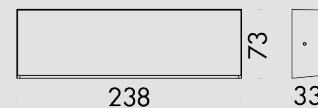
- 1 anthracite
- 2 white RAL 9010
- 4 grey RAL 9006
- 8 dark brown

MINIATURIZATION IS OFTEN SEEN AS AN ALL-AROUND PROGRESS IN DESIGN, BUT EQUALLY OFTEN THE SIZE REDUCTION UNFORTUNATELY TURNS OUT TO ALSO BE A REDUCTION IN PERFORMANCE. FRANCESCONI, HOWEVER, DOESN'T DISAPPOINT WITH BRICK, A MINIMALIST YET DEFINED LUMINAIRE THAT'S VERY VERSATILE AND EASY TO INSTALL. BRICK ALSO HAS A MINIMAL IMPACT ON THE ARCHITECTURE IT ILLUMINATES.



TECHNICAL SPECIFICATIONS

- Die casted EN AB46100 aluminum housing.
- High-resistance double painting process (UNI ISO9227:2012 saline test compliant).
- A4 stainless steel sealing allen screws.
- Extra clear tempered glass screen.
- Single-cable input, brass cable blocker IP66 for unipolaire cables.
- EPDM gasket.
- Compliant EN60598-1 and related annex.
- Working temperature: Ta Min: -20°C Max: +50°C



Spurlite Ltd

Unit 1, 6 Portman Road, Reading, Berkshire, RG30 1EA

T: 0118 955 3240 - F: 0118 959 5290 - E:

sales@spurlite.co.uk

● FINISH

anthracite gloss 8-10

■ LED COLOR

2700K

▲ BEAM

Diffused (sanblasted glass)

DETAILS

Light source:	LED
LED:	2700K
CRI:	70 (in accordance to EN62717)
Step MacAdam:	3
L90 Lifetime (Ta 35°):	70.000 hrs
W Led (real):	14.0
Lumen Tc 70° (real):	1018,063

Nominal Voltage:	220-240V 50/60Hz
Power supply:	INCLUDED ON/OFF
Class:	I
Cable:	Single input-None
Cable length:	None

IP:	IP65
IK:	08 (in accordance to IEC/EN62262)
Energy label:	A / A+ / A++

Warranty:	3 years, on request 5 years warranty extension
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It is recommended to separate the LED board from the product to provide for the correct differentiated disposal of all components. The flow and power values are subject to tolerances. The images are only indicatives.



VRS Exterior - Reference X6

NESTA LED IN-GROUND

Designed for ground recessed installation, the NESTA is available in a choice of sizes, beam angles and colour temperatures.

With a system efficacy of up to 98lm/W, this fitting has a service lifetime of 50,000 hours, L70/B50.



SPECIFICATION

- Mounting: Ground recessed (GCD)
- Optical system:
 - Lenses (S)
 - Reflector (M)
- Colour temperature: 3000K, 4000K
CRI: ≥ 80
- Efficacy: ≤ 98 lm/W
- Wiring:
 - Electronic control gear FIX (ECG)
 - External lead-in flexible cable (M)
- Materials:
 - Housing: die-cast aluminium
 - Cover: transparent hardened glass
- Surface finish:
 - Trim: NGG
- Service lifetime: 50,000 hours/L70/B50 (ta 25°C)
- Ambient temperature: From -10 °C to +35 °C
- Protection: IP67 / IK10
- 220-240V 50-60Hz

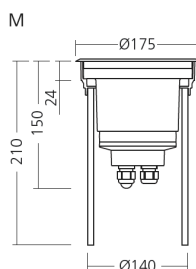
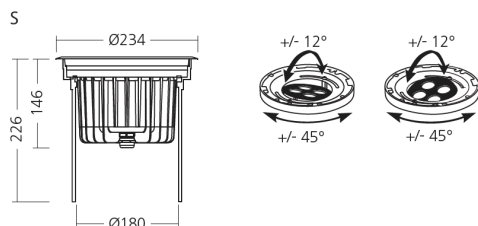
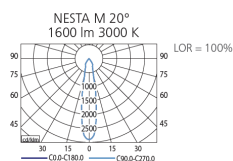


Suitable for a variety of outdoor applications.





PHOTOMETRY



M ASYM



MOUNTING



S



M



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)	ORDER CODE	
								3000 K	4000 K
NESTA S	860	12	72	80+	3000/4000	10°	2.6	826042	826044
NESTA S	810	12	68	80+	3000/4000	30°	2.6	826036	826034
NESTA S	770	12	64	80+	3000/4000	45°	2.6	826038	826040
NESTA M	1600	20	80	80+	3000	20°	4.2	826006	
NESTA M	1700	20	85	80+	4000	20°	4.2	826008	
NESTA M	2300	33	70	80+	3000	20°	4.2	826004	
NESTA M	2450	33	44	80+	4000	20°	4.2	826002	
NESTA M	1500	20	75	80+	3000	40°	4.2	826020	
NESTA M	1550	20	78	80+	4000	40°	4.2	826022	
NESTA M	2150	33	65	80+	3000	40°	4.2	826024	
NESTA M	2250	33	68	80+	4000	40°	4.2	826018	
NESTA M	1550	20	78	80+	3000	60°	4.2	826014	
NESTA M	1600	20	80	80+	4000	60°	4.2	826012	
NESTA M	2150	33	65	80+	3000	60°	4.2	826016	
NESTA M	2250	33	68	80+	4000	60°	4.2	826010	
NESTA M ASYM	1850	20	93	80+	3000	-	4.5	826028	
NESTA M ASYM	1950	20	98	80+	4000	-	4.5	826030	
NESTA M ASYM	2500	33	76	80+	3000	-	4.5	826032	
NESTA M ASYM	2600	33	79	80+	4000	-	4.5	826026	

Luminous flux tolerance +/- 10%