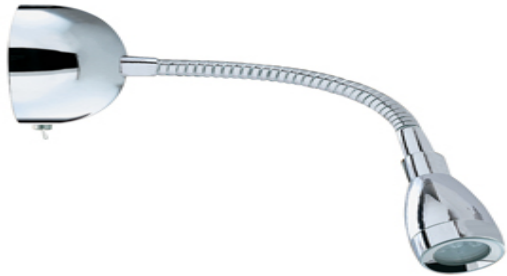


		PRODUCT SPECIFICATION ARTICLE No
		9917CC
Colour	Material	Finish
Chrome	Mild steel	Chrome
Description		
9917CC		
Main Picture / Diagram		Product Data

	Dimensions	
	Total Height (mm)	285
	Width / Diameter (mm)	60
	Length (mm)	
	Projection (mm)	
	Additional Dimensions	
	Ceiling Cup Dims	
	Back-Plate Dims	
	Fixing Strap Hole Distance	

Shade Image

Key Features	
Class (1, 2 or 3)	1 (Earthed)
Lampholder	LED
Lamp Type	LED
Wattage	0.48
Switch / Dimmer	[Toggle] switch
Operating Voltage	230V 50hz
IP Rating	IP20
Lamp Inc	YES
Lumens	30
Colour Temp	6000-7000K

Shade Type	
Shade Finish	Clear glass lens
Shade Dimensions	

Supply Cable	
Supply Connection	Via terminal block
Supplied With Fixing Kit	Fixing screws



Optics

- Light Output Options:
 - 2750 lumens (21W)
 - 3800 lumens (30W)
 - 4650 lumens (33W)
 - 7500 lumens (60W)
- High impact polycarbonate injection moulded opal diffuser for maximum uniformity

Body

- IP65
- GRP body finished light grey
- Surface mounted with cable or conduit entry
- Suitable for exterior areas i.e. under a canopy or covered environment but not in direct sunlight or open areas exposed to adverse weather conditions. Not for installation in an environment liable to produce standing water on the fitting or IP glands
- Stainless steel clips in centre (lockable via screw fixing)

Controls

- Optional integral microwave Command 5 Eco or Command 5 set-back detectors are available for fixed output products
- 360° detection; maximum range shown in diagram overleaf
- Detection can be reduced by selecting the combination on a DIP switch to maximise performance in specific applications (10/30/50/75/100%)
- 5 seconds to 25 minutes time delay
- Can be wired in a master and slave arrangement – contact Whitecroft Technical Desk
- Command 5 with set back has additional functionality and can be set to one of two configurations:
 - Microwave presence detection with ON/OFF operation
 - Microwave presence detection with High/Low/Off set-back functionality. Can be set to switch from 100% down to set-back position of 50%, 30%, 20%, 10% or OFF.

ACL park

Order Codes

Version	Fixed Output	3hr Emergency
2750 lumens (21W)	ACLH14K	ACLH14KEM
3800 lumens (30W)	ACLH24K	ACLH24KEM
4650 lumens (33W)	ACLH34K	ACLH34KEM
7500 lumens (60W)	ACLH44K	ACLH44KEM

Accessories

Hook suspension kit	ACFHOOCKIT
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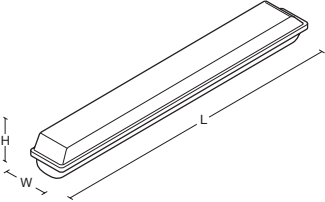
Options

DALI	Replace H with Y	i.e. ACLY14K
COMMAND 5 ECO**	Add Q5E after L	i.e. ACL Q5E H14K
COMEPS*	Add suffix /EP	i.e. ACLH14K/ EP
COMMAND 5 SET BACK	Replace H with Q5SR	i.e. ACL Q5SR 14K

*COMEPS can be wired for Easytest functionality if required

**Detector not suitable for use with DALI luminaires

Dimensions



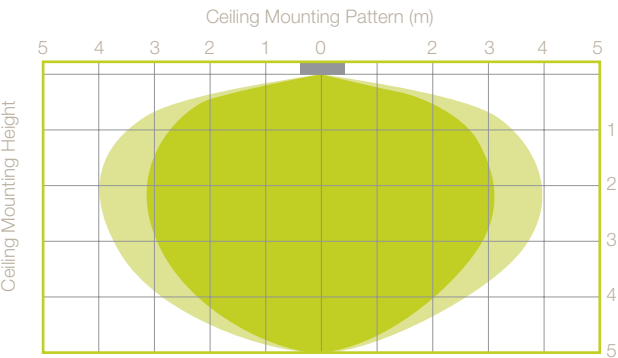
L	W	H	KG	KG
1275	170	103	5.0	6.0

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM

Detection Pattern

Command 5

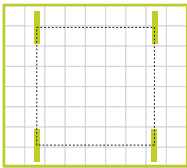


Equivalent Lamp Types

3800 Lumen Output	
T5 lamp	1 x 54W
7500 Lumen Output	
T5 lamp	2 x 49W

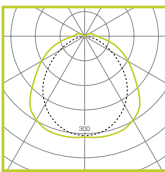
Performance Guide

Lamps	Illuminance	Spacing
30W LED	267 lux	3.5m x 3.5m



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
3.2m
Working Plane:
0.0m

Photometric Performance



33W LED 4000K
4650 lumens
• LOR = 100%
• SHR MAX = 1.73

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.66 0.93 1.00

To Specify

IP65 LED anti-corrosive luminaire with GRP body and high impact polycarbonate injection moulded opal diffuser. One piece seamless gasket for increased life and protection – as Whitecroft Lighting ACL PARK.

compact R6

LED downlighter



Optics

- Output options;
 - 1100 lumens (14W)
 - 2000 lumens (25W)
- Opal UV resistant polycarbonate diffuser
- Colour temperature options;
 - 3000K 'warm white'
 - 4000K 'cool white'

Body

- IP54
- Recessed mounting
- Die cast aluminium body finished white
- Spring assembly installation
- For ceiling thicknesses 3mm - 20mm
- 3hr or COMECS emergency options available



Order Codes

Compact R6

200mm, 1100 lumens, 14W
230mm, 2000 lumens, 25W

Fixed Output

CPH113K
CPH203K

3 hr Emergency

CPH113KEM
CPH203KEM

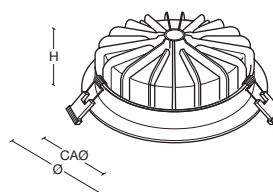
Options

4000K
COMECS

Replace 3K with **4K**
Add suffix **EP**

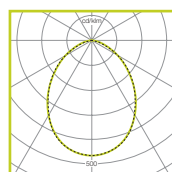
i.e. CPH114K
i.e. CPH113KEP

Dimensions

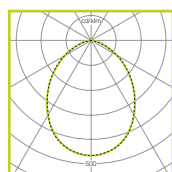


Version	Ø	CAØ	H	KG	KG
1100lm	200	175	63	4.2	5.2
2000lm	230	205	63	5.0	6.0

Photometric Performance



14W LED
1100 lumens
3000K
• LOR = 100%
• SHR MAX = 1.43



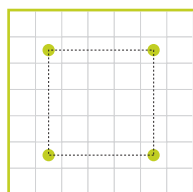
25W LED
2000 lumens
3000K
• LOR = 100%
• SHR MAX = 1.46

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
3000K	Ra>80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM
4000K	Ra>80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM

Performance Guide

Lamps Illuminance Spacing
25W LED 203 lux 3.0m x 3.0m



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.0m

To Specify

Recessed IP54 LED downlighter with cast aluminium body, white aluminium bezel and integral LED light engine. Driver included as standard – as Whitecroft Lighting COMPACT R6

DS-2CD2142FWD-I (W)(S) 4MP WDR Fixed Dome Network Camera



- Up to 4 megapixel high resolution
- Full HD1080p video
- Dual video streams
- 2.8mm/4mm/6mm fixed lens
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- 3-axis adjustment
- DC12V & PoE
- Support H.264+
- Up to 30m IR range
- IP66 weather-proof protection
- IK08(-W model)/IK10(non -W model)
- -S: Audio/Alarm IO
- -W: Built-in Wi-Fi

Camera Accessories



Inclined ceiling mount
DS-1259ZJ



Wall mount
DS-1272ZJ-110



Wall mount + Junction Box
DS-1272ZJ-110B



Pendant mount
DS-1271ZJ-110B



Junction Box
DS-1280ZJ-DM18



Corner mount
DS-1276ZJ



Vertical Pole mount
DS-1275ZJ



Rain-proof Cap
DS-1250ZJ



DS-2CD2142FWD-I (W)(S) 4MP WDR Fixed Dome Network Camera



Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON) ,0 Lux with IR
Shutter Speed	1/3 s to 1/10,000 s
Lens	2.8mm, 4mm, 6mm @ F2.0
Lens Mount	M12
Day & Night	IR cut filter with auto switch
DNR	3D DNR
Wide Dynamic Range	120dB
P&T rotation	Pan: 0° ~ 355°, Tilt: 0° ~ 75°, Rotation: 0° ~ 355°
Compression Standard	
Video Compression	H.264 / MJPEG/H.264+
H.264 Type	Main Profile
Video Bit Rate	32 Kbps ~ 16 Mbps
Dual streams	Support
Image	
Max. Resolution	2688×1520
Frame Rate	50Hz: 20fps (2688×1520), 25fps(1920×1080), 25fps(1280×720) 60Hz: 20fps (2688×1520), 30fps (1920×1080), 30fps(1280×720)
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
BLC	Support, zone configurable
ROI Codec	Support
Network	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
General	One-key reset, Flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Interface	
Communication Interface	1 RJ45 10M/100M Ethernet port
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Alarm interface	1x alarm I/O *only for -S models
Audio interface	1x audio I/O *only for -S models
Reset	Yes

DS-2CD2142FWD-I (W)(S) 4MP WDR Fixed Dome Network Camera



Wi-Fi * only for -W models

Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	20/40MHz Support
Protocols	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmit Output Power	11b: 17±1.5dBm @ 11Mbps 11g: 14±1.5dBm @ 54Mbps 11n: 12.5±1.5dBm
Reception Sensitivity	11b: -90dBm @ 11Mbps (Typical) 11g: -75dBm @ 54Mbps (Typical) 11n: -74dBm (Typical)
Transfer Rates	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Wireless Range	50 meters *The performance varies based on actual environment.

General

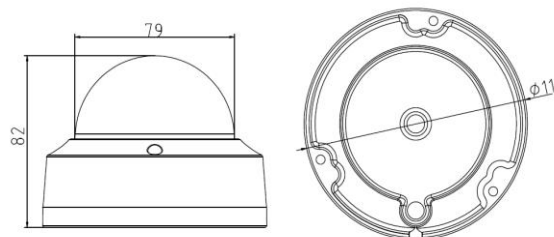
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)
Power Supply	DC12V ± 10%, PoE (802.3af)
Power Consumption	Max. 5W
IR Range	Approx. 30 meters
Ingress Protection	IP66
Impact Protection	IK08(-W model)/IK10(non -W model)
Dimensions	Φ111 × 82 (4.4" × 3.2")
Weight	500g (1.1lbs)

Order Models

DS-2CD2142FWD-I, DS-2CD2142FWD-IS, DS-2CD2142FWD-IW, DS-2CD2142FWD-IWS

-S: Audio/Alarm IO, -W: Built-in Wi-Fi

Dimensions



DS-2CD2342WD-I 4MP WDR EXIR Turret Network Camera



- Up to 4 megapixel high resolution
- Full HD1080p video
- Dual video streams
- 2.8mm/4mm/6mm fixed lens
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- Backlight Compensation
- DC12V & PoE
- Support H.264+
- High performance EXIR LED
- Up to 30m IR range
- IP66 weather-proof protection
- 3-axis adjustment
- Dual video streams

Camera Accessories



Wall Mount
DS-1273ZJ-130-TRL



Junction Box
DS-1280ZJ-M



Inclined Ceiling Mount
DS-1281ZJ-M



Corner mount
DS-1276ZJ



Vertical Pole mount
DS-1275ZJ



DS-2CD2342WD-I

4MP WDR EXIR Turret

Network Camera



Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/10,000 s
Lens	2.8mm, 4mm, 6mm @ F2.0
Lens Mount	M12
Day & Night	IR cut filter with auto switch
DNR	3D DNR
Wide Dynamic Range	120dB
Angle Adjustment	Pan: 0° ~ 360°, Tilt: 0° ~ 75°, Rotation: 0° ~ 360°
Compression Standard	
Video Compression	H.264 / MJPEG/H.264+
H.264 Type	Main Profile
Video Bit Rate	32 Kbps ~ 16 Mbps
Dual streams	Support
Image	
Max. Resolution	2688×1520
Frame Rate	50Hz: 20fps (2688×1520), 25fps(1920×1080), 25fps(1280×720) 60Hz: 20fps (2688×1520), 30fps (1920×1080), 30fps(1280×720)
Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
BLC	Support, zone configurable
ROI Codec	Support
Network	
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
General	Flash-prevention, dual stream, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
Interface	
Communication Interface	1 RJ45 10M/100M Ethernet port

DS-2CD2342WD-I

4MP WDR EXIR Turret Network Camera



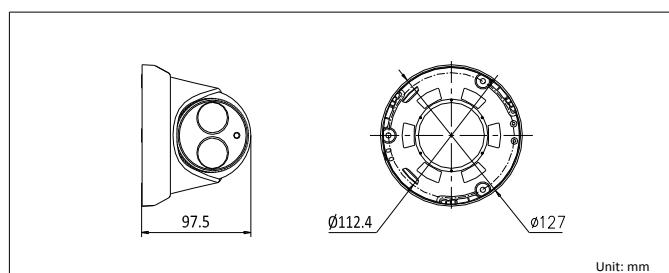
General

Operating Conditions	-30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity 95% or less (non-condensing)
Power Supply	DC12V ± 10%, PoE (802.3af)
Power Consumption	Max. 5.5W (Max. 7.5W with ICR on)
IR Range	Approx. 30 meters
Ingress Protection	IP66
Dimensions	Φ127×97.5 (5.0" × 3.8")
Weight	670g (1.5 lbs)

Order Models

DS-2CD2342WD-I

Dimensions



DS-9600NI-I8 Series NVR



Available Models

DS-9632NI-I8, DS-9664NI-I8;

Key Features

Professional and Reliable

- Dual-OS design to ensure high reliability of system running
- ANR technology to enhance the storage reliability when the network is disconnected
- HDD hot swap with RAID0, RAID1, RAID5 and RAID10 storage scheme configurable

HD Input

- H.265/H.264+/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 64 IP cameras can be connected
- Recording at up to 12 MP resolution
- Supports live view, storage, and playback of the connected camera at up to 12 MP resolution

HD Output

- HDMI1/VGA1 and HDMI2/VGA2 outputs provided
- HDMI1 Video output at up to 4K (3840 × 2160) resolution

HD Storage

- Up to 8 SATA interfaces and 1 eSATA interface connectable for recording and backup
- Storage space effectively saved by 50% to 70% with the use of H.264+ decoding format

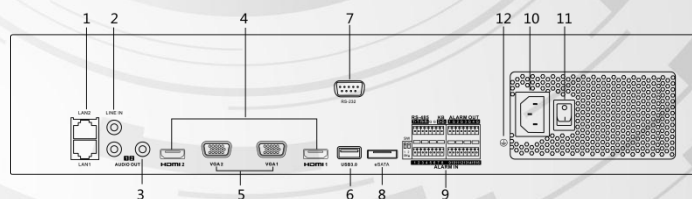
HD Transmission

- 2 self-adaptive 10M/100M/1000M network interfaces, and two working modes are configurable: multi-address and network fault tolerance

Various Applications

- Centralized management of IP cameras, including configuration, information import/export, real-time information display, two-way audio, upgrade, etc.
- Connectable to smart IP cameras from Hikvision and the recording, playing back, and backing up of VCA alarms can be realized
- VCA detection alarm is supported
- Instant playback for assigned channel during multi-channel display mode
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- Supports HDD quota and group modes; different capacity can be assigned to different channels

Physical Interfaces



Index	Description
1	LAN1/LAN2 Interface, 2 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interfaces provided.
2	LINE IN, RCA connector for audio input.
3	AUDIO OUT, RCA connector for audio output.
4	HDMI1/HDMI2, HDMI video output connector.
5	VGA1/VGA2, DB9 connector for VGA output. Display local video output and menu.
6	USB 3.0 Interface
7	RS-232 Interface
8	eSATA Interface
9	Controller Port, Alarm In/Alarm Out
10	100 to 240 VAC power supply
11	Power Switch
12	GND



DS-9600NI-I8

Series NVR



Specifications

Model		DS-9632NI-I8	DS-9664NI-I8
Video/Audio input	IP video input	32-ch Up to 12 MP resolution	64-ch
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1kΩ)	
Network	Incoming bandwidth	320 Mbps, or 200 Mbps (when RAID is enabled)	320 Mbps, or 200 Mbps (when RAID is enabled)
	Outgoing bandwidth	256 Mbps, or 200 Mbps (when RAID is enabled)	
	Remote connection	128	
Video/Audio output	Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	VGA1 /HDMI1 output resolution	HDMI1: 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA1: 2K (2560 × 1440)/60Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	VGA2 /HDMI2 output resolution	1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	Audio output	2-ch, RCA (2.0Vp-p, 1 KΩ)	
Decoding	Decoding format	H.265/H.264/MPEG4	
	Live view / Playback resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	Synchronous playback	16-ch	
	Capability	4-ch @4K, or 16-ch @ 1080p	
Hard disk	SATA	8 SATA interfaces for 8HDDs	
	eSATA	1 eSATA interface	
	Capacity	Up to 6TB capacity for each HDD	
Disk array	Array type	RAID0, RAID1, RAID5, RAID10	
	Number of arrays	4	
External interface	Network interface	2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface	
	Serial interface	RS-232; RS-485; Keyboard	
	USB interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0	
	Alarm in/out	16/4	
General	Power supply	100 to 240 VAC, 50 to 60 Hz	
	Max. Power	200 W	
	Consumption (without hard disk)	≤30 W	
	Working temperature	-10 to +55°C (14 to 131°F)	
	Working humidity	10 to 90 %	
	Chassis	19-inch rack-mounted 2U chassis	
	Dimensions(W × D × H)	445 × 470 × 90 mm (17.5"× 18.5" × 3.5")	
	Weight(without hard disk)	≤ 10 Kg (22 lb)	

Optics

- 3W high output LED delivering 148 (recessed) or 122 (surface) lumens
- Open area and escape route distribution patterns
- Minimum life of 50,000 hours

Body

- White high performance LED emergency head and charge indicator with driver, charger and battery
- 3 hour non-maintained
- Ambient temperature range of 0°C to +35°C
- Battery – Nickel Metal Hydride (NiMH)

Recessed

- Articulated plastic housing ensures a neat cut aperture hole and effective installation through fixed ceilings
- Suitable for ceiling thickness of 15-35mm with a minimum ceiling void of 160mm
- Stainless steel spring clips to secure lamp head in position

Surface

- Supplied with two lenses for open area or escape route distribution



Surface



Escape Route

Order Codes

Florin E3 Recessed

3 hr non-maintained open area

FLE31

3 hr non-maintained escape route

FLE32

Florin E3 Surface

Open area/escape route, COMECS

FLS31/EP*

Options (for Florin E3 Recessed only)

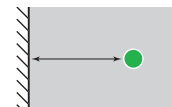
EASYTEST Add suffix /ET i.e. FLE31/ET

COMECS Add suffix /EP i.e. FLE31/EP

CENTRAL BATTERY Add suffix /CB i.e. FLE31/CB

*When not connected to the DALI system will operate as Easytest

Performance Guide Spacing Table (recessed version)



Open Area LED Head (0.5 Lux)

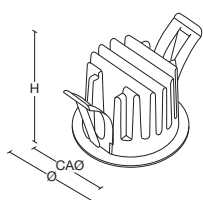
Mounting height	Distance from wall	Distance between heads
2.5	5.2	12.6
3.0	3.4	14.2
4.0	2.0	12.2

Escape Route LED Head (1 Lux)

Mounting height	Distance from wall	Distance between heads
2.5	5.7	15.4
3.0	5.8	16.4
4.0	2.7	11.9

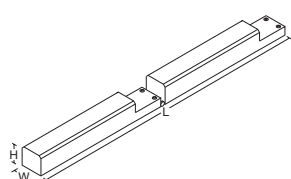
Dimensions

Recessed Florin E3 head



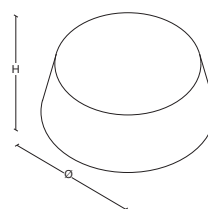
Ø	CAØ	H
48	43	45

Recessed Florin E3 articulated driver



W	L	H
29	414	28

Surface Florin E3 head



Ø	H
120	45

To Specify

Stand alone recessed or surface mounted white high performance LED emergency luminaire, complete with charge indicator, driver, charger and battery, capable of operation in non maintained mode. Driver to ensure constant light output independent of battery voltage for 3 hours from mains failure – as Whitecroft Lighting FLORIN E3

Optics

- 3W high output LED delivering 148 (recessed) or 122 (surface) lumens
- Open area and escape route distribution patterns
- Minimum life of 50,000 hours

Body

- White high performance LED emergency head and charge indicator with driver, charger and battery
- 3 hour non-maintained
- Ambient temperature range of 0°C to +35°C
- Battery – Nickel Metal Hydride (NiMH)

Recessed

- Articulated plastic housing ensures a neat cut aperture hole and effective installation through fixed ceilings
- Suitable for ceiling thickness of 15-35mm with a minimum ceiling void of 160mm
- Stainless steel spring clips to secure lamp head in position

Surface

- Supplied with two lenses for open area or escape route distribution



Surface



Escape Route

Order Codes

Florin E3 Recessed

3 hr non-maintained open area

FLE31

3 hr non-maintained escape route

FLE32

Florin E3 Surface

Open area/escape route, COMECS

FLS31/EP*

Options (for Florin E3 Recessed only)

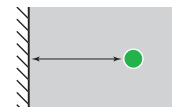
EASYTEST Add suffix /ET i.e. FLE31/ET

COMECS Add suffix /EP i.e. FLE31/EP

CENTRAL BATTERY Add suffix /CB i.e. FLE31/CB

*When not connected to the DALI system will operate as Easytest

Performance Guide Spacing Table (recessed version)



Open Area LED Head (0.5 Lux)

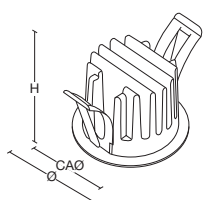
Mounting height	Distance from wall	Distance between heads
2.5	5.2	12.6
3.0	3.4	14.2
4.0	2.0	12.2

Escape Route LED Head (1 Lux)

Mounting height	Distance from wall	Distance between heads
2.5	5.7	15.4
3.0	5.8	16.4
4.0	2.7	11.9

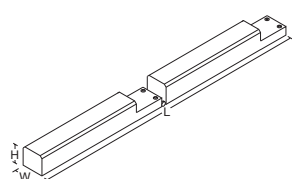
Dimensions

Recessed Florin E3 head



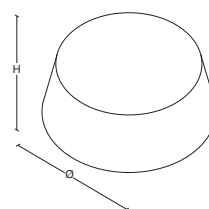
Ø	CAØ	H
48	43	45

Recessed Florin E3 articulated driver



W	L	H
29	414	28

Surface Florin E3 head



Ø	H
120	45

To Specify

Stand alone recessed or surface mounted white high performance LED emergency luminaire, complete with charge indicator, driver, charger and battery, capable of operation in non maintained mode. Driver to ensure constant light output independent of battery voltage for 3 hours from mains failure – as Whitecroft Lighting FLORIN E3

concert EX1S

surface or suspended
LED exit luminaire



Optics

- Power consumption
– 12W maintained
- 28m viewing distance
- 15 long life white LEDs
- Complete with double sided acrylic legend panel in up, down, left/right as standard
- Legends supplied in accordance with BS 5266-1 2011 (ISO7010)

Body

- Wall, flag, ceiling or suspended mounting
- Mounting accessories required for installation to be ordered separately
- Extruded aluminium housing with brushed finish
- Smaller than conventional recessed exit signs making installation look more attractive
- 3 hour maintained (may be wired as non-maintained)
- Complete with Ni-Cd cells

Order Codes

Concert EX1S

12W, with UP legend supplied
12W, with DOWN legend supplied
12W, with LEFT/RIGHT legend supplied

3 hr Emergency

EX1SMU/7010
EX1SMD/7010
EX1SMLR/7010

Options

CEILING MOUNTING BRACKET	EX1SCBRK
WALL MOUNTING BRACKET	EX1SWBRK
END FIXING (FLAG) MOUNTING BRACKET	EX1SEBRK
WIRE SUSPENSION KIT	Adjustable to 1 metre maximum EX1SWIRE
COMEPS	Add suffix /EP i.e. EX1SMU/7010/EP*

Note: Mounting brackets to be ordered separately

*Can be wired as Easytest if required

Legends



Up

Down

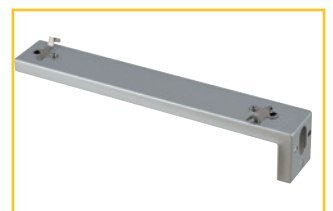


Left

Right



Ceiling Bracket



End Fixing Bracket

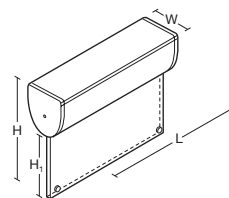


Wall Bracket



Wire Suspension Kit

Dimensions



L	W	H	H ₁	KG
300	50	220	150	1.2

To Specify

Surface or suspended LED exit luminaire with 15 long life LEDs – as Whitecroft Lighting CONCERT EX1S

Optics

- Power consumption:
 - 3W maintained
 - 1.5W non maintained
- 16 x low energy LEDs
- 34m viewing distance
- Product is supplied as a complete unit with opal polycarbonate legend panel already fitted
- Up, down, left and right legend panels are available
- Legends supplied in accordance with BS 5266-1 2011 (ISO7010)

Body

- Wall mounted via key hole slot fixings
- Steel body finished white
- Two part body for ease of installation, cover hooks over the back plate and is simply retained below
- High temperature Ni-Cd battery with constant current charger and LED charge indicator
- 3 hour maintained (may be wired as non-maintained)
- BESA cable entry



Order Codes

Exit LED

3W, with UP legend supplied
 3W, with LEFT legend supplied
 3W, with RIGHT legend supplied
 3W, with DOWN legend supplied

Product Code

EXM7010U
 EXM7010L
 EXM7010R
 EXM7010D

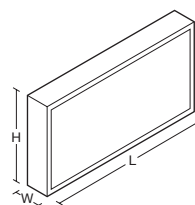
Options

COMEPS* Add suffix /EP

i.e. EXM7010U/EP

*Can be wired as Easytest if required

Dimensions



L	W	H	KG
385	71	185	2.4

Legends



Up



Down



Left



Right

To Specify

3W LED IP20, 3 hour self-contained maintained emergency exit sign with rigid white powder coated steel body and opal polycarbonate legend. High temperature Ni-Cd battery with constant current charger and LED charge indicator - as Whitecroft Lighting EXIT LED

concert fire

small LED IP65 fire-rated
down lighter



Optics

- Medium 38° and flood 60° beam angle distribution options
- 3000K or 4000K colour temperatures available
- Output;
 - Medium: 550 lumens (9W)
 - Flood: 660 lumens (9W)

Body

- Downlight supplied complete with driver
- Die cast aluminium body
- Ceiling retention by wing mechanism
- Twist and lock bezels are supplied separately and available as circular or square in a white or chrome finish
- Each bezel pack contains two identical bezels
- For ceiling thicknesses 9mm - 40mm
- Minimum clearance of 50mm in ceiling void for thermal convection

Order Codes

4000K		Fixed output
Medium 38°, 550lm (9W)		CNFH14KME
Flood 60°, 660lm (9W)		CNFH14KFL

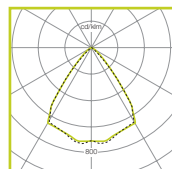
Bezel Packs

Circular, white x2	CNFBCW
Circular, chrome x2	CNFBCC
Square, white x2	CNFBWS
Square, chrome x2	CNFBSC

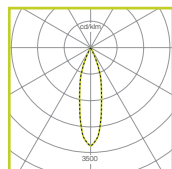
Options

3000K	Replace 4K with 3K	i.e. CNFH13KME
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Photometric Performance



Flood
9W LED
660 lumens
• LOR = 100%
• SHR MAX = 1.47



Spot
9W LED
550 lumens
• LOR = 100%
• SHR MAX = 0.55

Utilisation Factors UF(F)

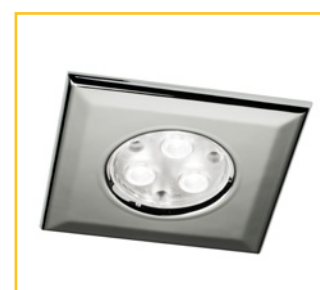
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.84	1.04	1.09

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.93	1.07	1.10

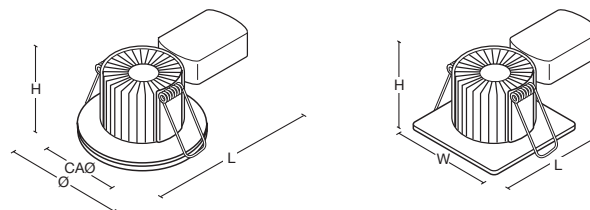
LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
3000K	Ra>80	L ₇₀ (70,000hrs)	MacAdam 3 SDCM
4000K	Ra>80	L ₇₀ (70,000hrs)	MacAdam 3 SDCM



Square chrome bezel

Dimensions



Version	Ø	L	W	CAØ	H	KG
Circular bezel	90	NA	NA	60-70	56	0.3
Square bezel	NA	90	90	NA	56	0.3

To Specify

Small IP65 fire-rated LED down light for use in areas where fire protection is required. Flood or medium beam angle options with circular or square bezels. For ceiling thicknesses of 9-40mm – as Whitecroft Lighting CONCERT FIRE.

broadwalk L360

LED 360 degree bollard
for outdoor applications



Optics

- Light output options:
 - 484 lumens, 4000K, 10W
- 360 degree distribution
- UV stabilised polycarbonate opal diffuser

Body

- Extruded aluminium
- Coated for corrosion and saline environment resistance
- IP65 IK08 rated protection
- Finished in Graphite Grey
- Supplied with plug and socket
- Suitable for ambient temperatures between -30°C to +50°C
- Maximum diffuser temperature 45°C at ta 25°C

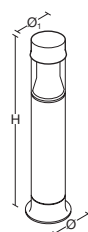


Order Codes

Broadwalk L360
1100mm high

BLF3614KG

Dimensions

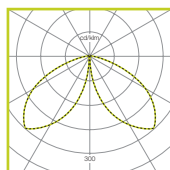


Ø	H	Ø ₁	KG
250	1100	180	7.1

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	≥ 70	L ₇₀ (40,000hrs)	MacAdam 4 SDCM

Photometric Performance



10W 484 lumen
• LOR = 100%

To Specify

IP65 LED bollard with extruded aluminium body and clear polycarbonate diffuser. With 360 degree distribution – as Whitecroft Lighting BROADWALK L360.

Optics

- Light output options:
 - 1537 lumens (4000K – 21.4W)
- Symmetrical distribution with 25 degree beam
- Adjustable by up to 15 degrees from vertical
- Thermal shock resistant, tempered clear glass

Body

- Die cast aluminium
- Stainless steel frame (316L grade)
- IP67 IK08 rated protection
- Static load resistance up to 4000kg
- Maximum temperature on glass:
 - 50°C at ta 25°C or 40°C at ta 15°C



Order Codes

Marine LT

1537 lumens (4000K – 21.4W)

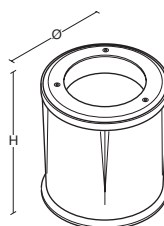
MRLT1M

Accessories

Waterproof Tee connector
Waterproof in-line connector

MRCT
MRCL

Dimensions

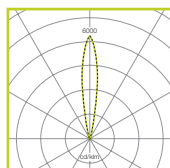


Ø	H	KG
343	359	6.0

LED Performance

Colour Temp 4000K	Ra (CRI) ≥ 80	Life Expectancy L ₇₀ (60,000hrs)	Colour Consistency MacAdam 4 SDCM
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Photometric Performance



21.4W 1537 lumen
• LOR = 100%

To Specify

IP67 In Ground recessed adjustable LED uplighter with die cast aluminium body and stainless steel frame. With symmetrical medium beam distribution – as Whitecroft Lighting MARINE LT.

Product information Publisca P1-RB6L/1100-740 2G1S ETDD

TOC: 6640851



Luminaire type

Decorative post-top luminaire with flat cover, Parabolic mast bracket.

Applications

Collection roads, Residential roads, Low-traffic roads, Pedestrian zones, Paths in parks and green areas, Residential facilities, Stairs, Access areas, Car parks.

Mounting methods

Post-top luminaire for post spigot Ø 76 mm, Mast mounting via two stainless steel fixing screws in accordance with EN 60598-2-3. Also suitable for mounting to masts with spigot Ø 60 mm via reduction pieces to be ordered separately.

Optical system

Optical system with Multi-Lens Technology. Consists of highly efficient, UV and temperature-resistant lens systems. With rotationally symmetrical wide light distribution. Optimised for horizontal positioning of luminaire body. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. Retrofitting a rear shielding is possible, available as accessory to be ordered separately.

LED system

With 2 LED modules. LED module consisting of four LEDs including optical system. Luminaire luminous flux 1100 lm, connected load 13 W, luminous efficiency of luminaire 85 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 70. service life: $L_{80}(t_4, 25^\circ\text{C}) = 100,000$ h.

Luminaire body

Luminaire body of die-cast aluminium. Colour anthracite, similar to DB 703. Further colour variants possible from RAL or DB colour codes. Inclination angle can be adjusted. Adjustment is lockable in 10° steps between 0° and 90°. Cover of heat-treated non-laminated safety glass. Cover sealed in luminaire body. Reflection-reduced, with a transmission value of > 98%.

Electrical connection

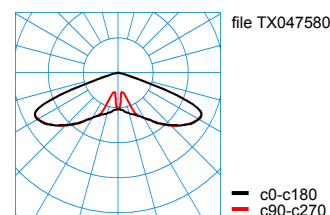
Gear tray with all electrical components and LED modules mounted as upper luminaire enclosure. Removable after releasing four fixing screws of V2A. Connection module in post mounting element, freely accessible. With 4-pole terminal to 2.5 mm² and insulated terminal point for earth conductor. With cable strain relief system. Surge voltage resistance 6 kV.

Electrical version

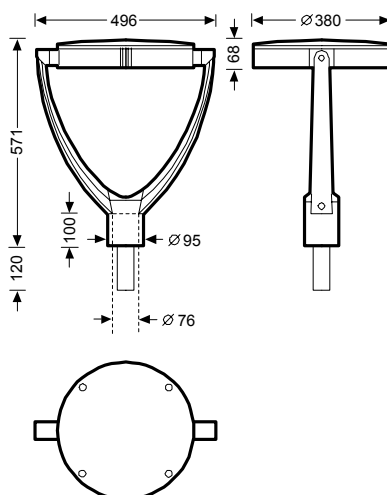
With operating device, digitally dimmable (DALI). Configurable ballast with luminous flux stabilising (CLO). Connected load at the end of service life 15 W.

Specification text

Decorative post-top luminaire with flat cover, Parabolic mast bracket. Post-top luminaire for post spigot Ø 76 mm, Mast mounting via two stainless steel fixing screws in accordance with EN 60598-2-3. Also suitable for mounting to masts with spigot Ø 60 mm via reduction pieces to be ordered separately. Optical system with Multi-Lens Technology. Consists of highly efficient, UV and temperature-resistant lens systems. With rotationally symmetrical wide light distribution. Optimised for horizontal positioning of luminaire body. Further beam characteristics are available for flexible adaptation to customer-specific lighting tasks. Retrofitting a rear shielding is possible, available as accessory to be ordered separately. With 2 LED modules. LED module consisting of four LEDs including optical system. Luminaire luminous flux 1100 lm, connected load 13 W, luminous efficiency of luminaire 85 lm/W. Light colour neutral white, colour temperature 4000 K, colour rendering index Ra > 70. service life: $L_{80}(t_4, 25^\circ\text{C}) = 100,000$ h. Luminaire body of die-cast aluminium. Colour anthracite, similar to DB 703. Further colour variants possible from RAL or DB colour codes. Inclination angle can be adjusted. Adjustment is lockable in 10° steps between 0° and 90°. Cover of heat-treated non-laminated safety glass. Cover sealed in luminaire body. Reflection-reduced, with a transmission value of > 98%. Safety class II, protection rating IP66. Gear tray with all electrical components and LED modules mounted as upper luminaire enclosure. Removable after releasing four fixing screws of V2A. Connection module in post mounting element, freely accessible. With 4-pole terminal to 2.5 mm² and insulated terminal point for earth conductor. With cable strain relief system. Surge voltage resistance 6 kV. With operating device, digitally dimmable (DALI). Configurable ballast with luminous flux stabilising (CLO). Connected load at the end of service life 15 W. Windage area $F_w = 0,161$ m².



Colour	anthracite DB 703 (...26)
Weight	9.0 kg
Impact resistance	6 J
Degree of protection	IP 66
LOR	1,00



available accessories

TOC:	article
6738300	Publisca ZP1D D580 26
6738400	Publisca ZP1D D680 26



Highadmit Projects: Queens Walk, Reading

Date: 3rd June 2016

Project Reference: Corridor Lighting - Compact R6/EM

Web Reference: WLC575159E40EBE9

User Name: Martin Hill

Emergency Version of Compact R6

Compact R6

Reference

A/E

Catalogue Numbers

A/E - CPH203KEM

Lamps

230mm, 2000 lumens, 26W

230mm, 440 lumens - Emergency Use

Emergency

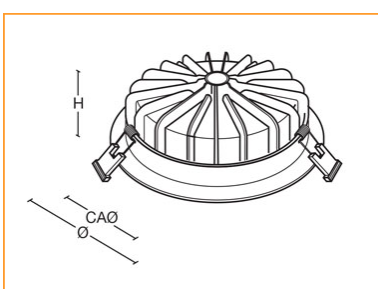
3 Hour Integral



Description

Recessed IP54 LED downlighter with cast aluminium body, white aluminium bezel and integral LED light engine. Driver included as standard – as Whitecroft Lighting COMPACT R6

Dimensions



Version	KG	H	CAØ	Ø
1100lm	4.2	63	175	200
2000lm	5.0	63	205	230



Optics

- Light output options:
300mm Ø
 - 800 lumen, 8W
 - 1100 lumen, 11W
- 400mm Ø
 - 1700 lumen, 15W
 - 2300 lumen, 21W
 - 2700 lumen, 28W
- White or blue LED feature halo ring options. (trim ring supplied)
- Polycarbonate opal diffuser
- 'Cool' white 4000K colour temperature

Body

- Surface mounted as standard
- Recessing kit to be ordered separately
- 300mm or 400mm diameter in cast aluminium with injection moulded base
- Finished in silver or white
- IP44
- Choice of integrated emergency options:
 - 3 hour emergency
 - EasyTest
 - COMEPS
- Optional Command 5 microwave detector mounted behind the diffuser available that can be set to one of two configurations;
 - Microwave presence detection with ON/OFF operation
 - Microwave presence detection with High/Low/Off set-back functionality. Can be set to switch from 100% down to set-back position of 50%, 30%, 20%, 10% or OFF
- Optional trim ring available for an alternative aesthetic finish (supplied separately)
- Product also available in suspended and IP65, see Kolo suspended and Kolo IP65

Order Codes

300mm ø silver	Fixed Output	3 hr Emergency
800 lumens (8W)	K4H364KS	K4H364KSEM
1100 lumens (11W)	K4H3124KS	K4H3124KSEM

400mm ø silver	Fixed Output	3 hr Emergency
1700 lumens (15W)	K4H4154KS	K4H4154KSEM
2300 lumens (21W)	K4H4204KS	K4H4204KSEM
2700 lumens (28W)	K4H4274KS	K4H4274KSEM

Accessories

Recessing kit 300mm ø silver	KLREC300S
Recessing kit 400mm ø silver	KLREC400S
Trim ring 300mm ø silver	KLTR300S
Trim ring 400mm ø silver	KLTR400S

Options

WHITE LED HALO RING*	Add HA after K4	i.e. K4 HA H464KS
BLUE LED HALO RING*	Add HB after K4	i.e. K4 HB H464KS
DALI DIMMING	Replace H with Y	i.e. K4 Y 364KS
EASYTEST	Add suffix /ET	i.e. K4H364KS/ ET
COMEPS	Add suffix /EP	i.e. K4H364KS/ EP
COMMAND 5**	Replace H with Q5	i.e. K4 Q5 464KS
WHITE FINISH	Replace S with W	i.e. K4H364 W

*Only available with 400mm ø product. Trim rings supplied as standard with halo variants

**Command 5 not available in 300mm ø emergency, DALI or recessed products



Recessed (kit supplied separately)

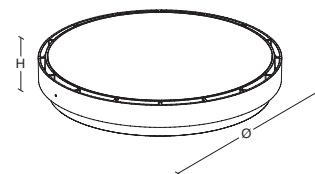


Without Trim Ring

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM

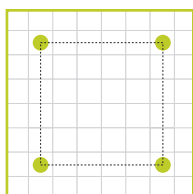
Dimensions



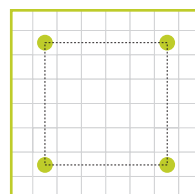
Version	Ø	H	CAØ	KG	KG/m²
300mm ø recessed	320	95	310	2.0	2.5
300mm ø surface	300	95	-	2.0	2.5
400mm ø recessed	420	95	410	3.4	3.8
400mm ø surface	400	95	-	3.4	3.8

Performance Guide

Lamps	Illuminance	Spacing	Lamps	Illuminance	Spacing
21W LED	200 lux	3.0m x 3.0m	28W LED	246 lux	3.0m x 3.0m

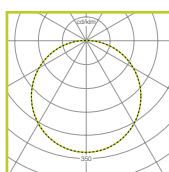


Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 2.7m
Working Plane: 0.8m

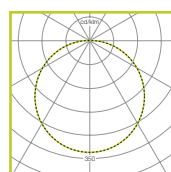


Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 2.7m
Working Plane: 0.8m

Photometric Performance



300mm ø
8W 800 lumen
• LOR = 100%
• SHR MAX = 1.64



400mm ø
15W 1700 lumen
• LOR = 100%
• SHR MAX = 1.64

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.67 0.95 1.03

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.67 0.95 1.02

Equivalent Lamp Types

800/1100 Lumen Output

2D lamp 1 x 28W

1700/2300 Lumen Output

2D lamp 1 x 38W

TC-D lamp 2 X 26W

To Specify

Surface mounted or recessed circular IP44 LED bulkhead luminaire in 300 or 400mm diameter. Polycarbonate opal diffuser. Optional integrated microwave presence detector with ON/OFF or set-back functionality in stand alone – as Whitecroft Lighting KOLO



Info

- Slimline channel of LEDs to illuminate in coves and underneath cabinets
- ‘Warm’ white 2700K colour temperature
- UV resistant opal white polycarbonate diffuser
- Extruded aluminium body complete with fixing brackets
- Driver and starter lead supplied separately from LED strip

Order Codes

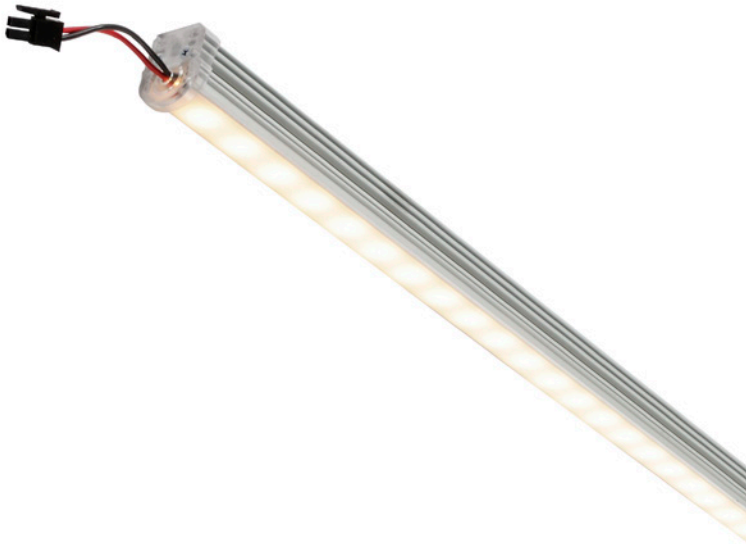
Coveline	Fixed Output
135mm, 108lm (2W)	CL127K
260mm, 238lm (4W)	CL227K
505mm, 477lm (8W)	CL327K
1000mm, 939lm (16W)	CL427K
1495mm, 1467lm (24W)	CL527K

Drivers

Fixed output, 20W	CNSLD20
Fixed output, 75W	CNSLD75

Lead

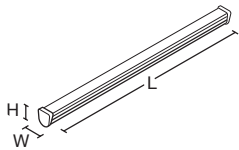
3m starter lead (for connection from driver to starting strip)	CLST3M
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LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
2700K	Ra>80	L ₇₀ (50,000hrs)	MacAdam 3 SDCM

Dimensions



Version	L	W	H	KG
108lm	135	20.4	20.2	0.4
238lm	260	20.4	20.2	0.8
477lm	505	20.4	20.2	1.2
939lm	1000	20.4	20.2	2.4
1467lm	1495	20.4	20.2	3.6

To Specify

IP40 linear LED strip luminaire with extruded aluminium body complete with pre-wired cables and connectors – as Whitecroft Lighting COVELINE

LDR 16

small LED IP20 or
IP65 down lighter



Optics

- LED Lamp options;
 - 350 lumens (5W)
 - 600 lumens (8W)
- 'Warm' white 2700K colour temperature
- GU10 LED lamp with driver
- 36° beam angle
- LED lamp is phase dimming as standard. Compatible with most common dimmers, please contact Technical Support for further information

Body

- Die cast aluminium fixed bezel finished in white
- Ceiling retention by wing mechanism
- Fixed bezel and LED lamp is supplied separately
- IP20 and IP65 bezels available
- Quick release lamp change
- For ceiling thicknesses 3mm - 17mm



Order Codes

LDR 16

IP20 bezel for use with 350lm LED lamp
IP20 bezel for use with 600lm LED lamp
IP65 bezel for use with 350lm LED lamp
IP65 bezel for use with 600lm LED lamp

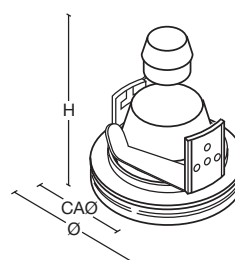
LDR-IP20W-350
LDR-IP20W-600
LDR-IP65W-350
LDR-IP65W-600

GU10 LED Lamp and Driver

350 lumens, 5W
600 lumens, 8W

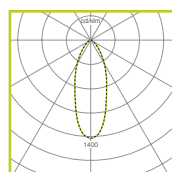
LED/GU1035027K
LED/GU1060027K

Dimensions



Ø	CAØ	H	KG
82	72	100	0.4

Photometric Performance



8W LED
600 lumens
• LOR = 100%
• SHR MAX = 0.78

Utilisation Factors UF(F)

Room Reflectance Room Index
C W F 1.00 3.00 5.00
0.70 0.50 0.20 0.83 1.03 1.08

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
2700K	Ra>80	L ₇₀ (25,000hrs)	MacAdam 5 SDCM
2700K	Ra>80	L ₇₀ (30,000hrs)	MacAdam 6 SDCM

To Specify

Small diameter IP20/IP65 LED fixed down light. Die cast aluminium bezel finished in white with separate LED lamp. For ceiling thicknesses of 3-17mm – as Whitecroft Lighting LDR 16.