


Lighting for
a Living



WELCOME

The new 2020 from TamLite draws on the years of experience that TamLite has in listening to the needs of Designers, Architects and Installers as they search for solutions to lighting and energy demands.

The range epitomises the vision needed to provide future-proof solutions that address the demands of today's changing environments.

All 2020 products are supported by a commitment to performance and service that only comes with experience and know-how. They are designed as innovative yet practical solutions for office, industry, urban, education, healthcare, retail and leisure applications where the lighting environment is key to the form and function of the building. LED is now an everyday option for light source within most luminaires. It offers an economic and ecological advantage over traditional lamps. The TamLite INFINITY mark offers customers the assurance that these advantages will be realised without any compromise to quality, performance and reliability.

SINCE 1967

Tamlite Lighting was founded in 1967 at Telford in Shropshire and then a few years later was expanded to include facilities at Redditch, Worcestershire, where it's main site remains today. In the last 20 years the company has expanded overseas with manufacturing units now on the European mainland and North American continents. None the less Tamlite's commitment to it's UK manufacturing base remains as strong as ever with new investment in people, plant, equipment, product development, transport, and factories being made every day.

LIGHTING EXPERIENCE CENTRES



MANUFACTURING DIVISIONS

Each one of our ten manufacturing divisions are responsible for a particular product sector, each one delivering quality goods with unparalleled service and value. This structure helps Tamlite Lighting adapt to changing market trends providing reliable solutions for our customers. Within the structure there are also specialist divisions providing in-house designed components such as louvres, diffusers, optics and electronics that help maintain a high degree of quality, control and flexibility to ensure best customer service. Our commitment to providing a total solution for our customers extends to our technical and sales departments. As well as our own in-house testing laboratory, Tamlite Lighting offer the full design service that you would expect from one of the UK's largest lighting manufacturers.

LIGHTING DESIGN

For many years now Tamlite Lighting have been a full member of Relux, the organisation behind the free industry leading professional lighting design software suite. Photometric data for use within Relux is available for download on all products listed in this publication.

AN EXPERIENCED TEAM

A product range this big needs a highly skilled and knowledgeable team of sales engineers to provide on-site advice for applications and products. Tamlite Lighting have a 25 strong field sales force that play an important role in our Lighting Team as the eyes and ears of our company across the UK. Their every-day dialogue and interaction with customers is vital and helps keep Tamlite Lighting at the forefront of new designs and the latest industry guidelines.

RELIABLE DELIVERY

Tamlite Lighting's extensive delivery vehicle fleet means that we can ensure the safe transit of sometimes delicate lighting equipment, with pinpoint timing on date and hour of delivery and all controlled through state of the art satellite tracking systems ensuring a reliable delivery service to our customers.

PRODUCT GUIDE







A key factor in the rapidly changing world of lighting standards and ever stricter European lead legislation governing Lighting, in all its aspects, is the ability to remain focused and committed to producing lighting products that comply with current legislation and at the same time producing quality products that will give many years reliable service. To this end TamLite Lighting has invested heavily in experienced staff and test facilities in the laboratory at our central Technical

department based in Telford. The test facilities allow TamLite Lighting to conduct tests to ensure product CE compliance, this includes the ability to conduct EMC, electrical safety, electrical performance and thermal performance testing. This gives TamLite Lighting the ability to provide technical back up to all of the TamLite Lighting divisions in addition to offering such back up to our customers.

INGRESS PROTECTION RATING (IP)

First Digit Solid Particle Protection		Second Digit Liquid Ingress Protection	
0	No protection	0	No protection
1	Protection against ingress of large solid foreign bodies	1	Protection against drops of condensed water
2	Protection against ingress of medium sized solid foreign bodies	2	Protection against drops of liquid falling at any angle up to 15° from the vertical
3	Protection against ingress of small solid foreign bodies greater in thickness than 2.5 millimetres	3	Protection against rain falling at any angle up to 60° from the vertical
4	Protection against ingress of small solid foreign bodies greater in thickness than 1 millimetre	4	Protection against splashing. Liquid splashed from any direction shall have no harmful effect
5	Protection against ingress of dust in an amount sufficient to interfere with satisfactory operation of the enclosed equipment	5	Protection against water projected by nozzle from any direction
6	Complete protection against ingress of dust	6	Protection against conditions on ship decks
		7	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 metre of submersion)
		8	The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer. Normally, this will mean that the equipment is hermetically sealed. However, with certain types of equipment, it can mean that water can enter but only in such a manner that it produces no harmful effects.

ELECTRICAL CLASS (ICONS)

Symbol	Description
	Complies with class 1 Electrically insulated and provided with connection for earth.
	Complies with class 2 double insulation requirements of BS EN 60598.
	Complies with class 3 safety extra-low voltage (SELV) requirements of BS EN 60598.
	VISION A wide range of lighting control systems that can offer energy saving solutions. See page 162 - 175 for full details of lighting control systems.
	Auto Test A wide range of lighting control systems that can offer energy saving solutions.
	Infinity The INFINITY ASSURANCE programme covers 4 main aspects: Light quality, Reliability, Efficacy and Warranty.

Lamps Where noted, lamps or LED modules are supplied. The type and wattage shown are indicative as the brand and specific lumen output may change. Fittings can be supplied without lamps on request.

Control gear Fittings with fluorescent T5 or PL lamps or high intensity discharge lamps are supplied with integral (or remote) ballasts. All LED products are supplied with integral (or remote) driver. Total circuit wattage may be subject to amend as TamLite Lighting reserve the right to change the brand and power characteristics as necessary. Careful consideration needs to be taken on installation that sufficient free air space is provided around ventilation apertures to maintain an operating temperature range of 0°C to 50°C.

Dimming Electronic fluorescent dimming control gear can be either digital DSI or analogue 1-10V dimming. The specific requirements for each type are available from the Technical department.



INFINITY ASSURANCE

Our Infinity Assurance programme is designed to give you confidence and knowledge to make the right decisions when it comes to selecting LED lighting. It is a set of 4 standards covering:

Light Quality	Minimum CRI >80 colour temperature tolerances and binning. SDCM<3
Reliability	Minimum chip and driver failure rates of less than 1% for 6,000 hours, minimum lumen maintenance of 30,000 hours for L70/B50 criteria.
Efficacy	Minimum performance of 70 luminaire lumens per circuit watt. Minimum power factor ratings on LED driver of 0.90.
Warranty	Minimum 5 years warranty for absolute failure on driver, chip or luminaire.

So when you see the Infinity Assured mark you can be sure that the luminaire meets the standards for light quality, reliability, efficacy and warranty.

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A

DISCHARGE
DOWNLIGHTS
SPOTLIGHTS
LED SPOTLIGHTS
TRACK SPOTLIGHTS
TRACK

L

2020 EXCEL

- + High efficacy - up to 80 lumens/Watt (with high efficacy lamps fitted)
 - + Shallow body for tight ceiling voids
 - + Wide range of lighting controls available
 - + Low glare optic with good visual contrast
 - + High efficacy or high output T5 lamps
-
- + White powder-coated steel body, also available in RAL 9010 and RAL 9016
 - + MIRO 4 aluminium louvre
 - + ‘Shoot bolt’ corner fixing of louvre
 - + Electronic control gear

T5 MODULAR RANGE (RECESSED

Order code	Lamps	Nominal size (mm)	Weight (kg)	Emergency code	Weight (kg)
RECA63214	2 x 14W T5	600 x 300	2.75	RECA63214/M3	4.65
RECA63224	2 x 24W T5	600 x 300	2.75	RECA63224/M3	4.65
RECA314	3 x 14W T5	600 x 600	3.75	RECA314/M3	5.65
RECA324	3 x 24W T5	600 x 600	3.75	RECA324/M3	5.65
RECA414	4 x 14W T5	600 x 600	3.90	RECA414/M3	5.80
RECA424	4 x 24W T5	600 x 600	3.90	RECA424/M3	5.80
RECA228	2 x 28W T5	1200 x 300	4.50	RECA228/M3	6.40
RECA254	2 x 54W T5	1200 x 300	4.50	RECA254/M3	6.40
RECA328	3 x 28W T5	1200 x 600	7.90	RECA328/M3	9.80
RECA354	3 x 54W T5	1200 x 600	7.90	RECA354/M3	9.80
RECA428	4 x 28W T5	1200 x 600	8.00	RECA428/M3	9.90
RECA454	4 x 54W T5	1200 x 600	8.00	RECA454/M3	9.90
RECA235	2 x 35W T5	1500 x 300	7.90	RECA235/M3	9.80
RECA249	2 x 49W T5	1500 x 300	7.90	RECA249/M3	9.80
RECA280	2 x 80W T5	1500 x 300	7.90	RECA280/M3	9.80

IP CLASS



INSTALLATION NOTES

Recessed lay-in for exposed 25mm ceiling grid.
Brackets available for plasterboard mount.
Frame available for metal pan ceilings.

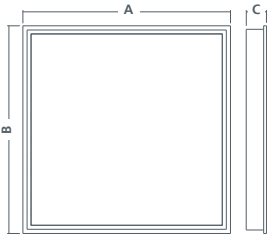


LAMP TYPE



DIMENSIONS (MM)

Type	A	B	C
2 x 14/24W T5	595	295	67
3,4 x 14/24W T5	595	595	67
2 x 28/54W T5	1195	295	67
3,4 x 28/54W T5	1195	595	67
2 x 35/49/80W T5	1495	295	67



OPTIONS

- (HFD High frequency digital dimming control gear
- (HFR 1-10V dimming control gear

VISION LIGHTING CONTROLS

- (V201 Integral PIR device
- (V202 Integral PIR device with photocell
- (V203 Integral PIR with daylight dimmable photocell

TO SPECIFY

Recessed T5 module as per Tam-lite ‘2020 EXCEL’ range

2020 EXCEL LED



- + High quality Philips LED Fortimo module package
- + Luminaire efficacy up to 78 lumens/Watt
- + 5 years warranty (L70/B50)
- + Shallow body for low ceiling void installations
- + High CRI >80
- + Available in warm white (3000K) and neutral white (4000K)
- + White powder-coated steel body, also available in RAL 9010 and RAL 9016
- + Mircoprism diffuser lens within polished aluminium parabolic louvre



OPTIONS

- (HFD) High frequency digital dimming control gear
- (HFR) 1-10V dimming control gear
- (WW) Warm white LED (3000K)
- (NW) Neutral white LED (4000K)

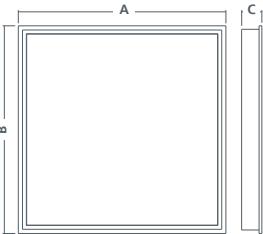
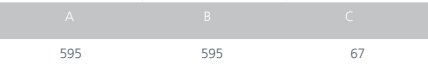
IP CLASS



LAMP TYPE LED



DIMENSIONS (MM)



VISION LIGHTING CONTROLS

- (V201) Integral PIR device
- (V202) Integral PIR device with photocell
- (V203) Integral PIR with daylight dimmable photocell

TO SPECIFY

Recessed LED module as per Tam-lite '2020 EXCEL' range

RECESSED LED MODULE

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Nominal Size (mm)	Weight (kg)	Emergency Code	Weight (kg)
RECAL66328	LED SMD Module	2800	36	78	600 x 600	3.50	RECAL66328/M3	5.40
RECAL66338	LED SMD Module	3800	48	79	600 x 600	3.50	RECAL66338/M3	5.40
RECAL66347	LED SMD Module	4700	60	78	600 x 600	3.50	RECAL66347/M3	5.40

INSTALLATION NOTES

Recessed lay-in for exposed 25mm ceiling grid. Brackets available for plasterboard mount. Frame available for metal pan ceilings.

TX VDT

- + Recessed cleanroom module range with T5 lamp
- + IP65 rating from above and below
- + For use in medical and laboratory areas
- + Wide range of diffusers

- + White powder-coated steel body
- + VDT aluminium louvre
- + Self-tightening fixing clips
- + Silicone gasket
- + Electronic control gear



RECESSED SEALED MODULE

Order Code	Lamps	Nominal Size (mm)	Weight (kg)	Emergency Code	Weight (kg)
TSMX414VDT	4 x 14W T5	600 x 600	9.20	TSMX414VDT/M3	15.80
TSMX424VDT	4 x 24W T5	600 x 600	9.20	TSMX424VDT/M3	15.80
TSMX228VDT	2 x 28W T5	1200 x 300	7.90	TSMX228VDT/M3	14.50
TSMX249VDT	2 x 49W T5	1500 x 300	7.90	TSMX249VDT/M3	14.50
TSMX235VDT	2 x 35W T5	1500 x 300	12.20	TSMX235VDT/M3	18.80
TSMX254VDT	2 x 54W T5	1200 x 300	12.20	TSMX254VDT/M3	18.80

IP CLASS



INSTALLATION NOTES

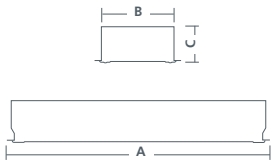
Recessed lay-in for exposed 25mm ceiling grid.
Brackets available for plasterboard mount.
Frame available for metal pan ceilings.

LAMP TYPE

T5

DIMENSIONS (MM)

Type	A	B	C
4 x 14/24W T5	597	597	75
2 x 28/54W T5	1197	297	75
2 x 35/49W T5	1497	297	75



OPTIONS

- (HFD) High frequency digital dimming control gear
- (HFR) 1-10V dimming control gear

TO SPECIFY

Recessed IP65 modules with T5 lamps
as per Tam-lite 'TX' range

HORIZON LED



- + High performance indirect module with high efficiency LED
- + Suitable for offices and schools
- + Tunable white LED option allows for colour appearance to complement seasonal environment
- + Microprism optic provides uniform light distribution

- + High CRI >80
- + Available in warm white (3000K) and neutral white (4000K)
- + High lumen efficacy - up to 83lm/W
- + Powder-coated steel body
- + Aluminium heat sink
- + Microprism diffuser
- + Finished in white (RAL 9003)



IP CLASS

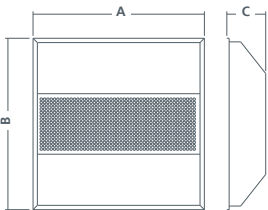


LAMP TYPE



DIMENSIONS (MM)

A	B	C
595	595	70



OPTIONS

- (HFD) High frequency digital dimming control gear
- (WW) Warm white LED (3000K)
- (NW) Neutral white LED (4000K)
- (TW) Tunable white LED (3000K - 6200K)

TO SPECIFY

Recessed indirect LED module as per Tamlite 'HORIZON LED' range

RECESSED DIRECT (INDIRECT LED MODULE)

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Nominal size (mm)	Weight (kg)	Emergency code	Weight (kg)
TIDL36	LED SMD Module	3000	36	83	600 x 600	4.50	TIDL36/M3	6.00

INSTALLATION NOTES

Recessed lay-in for exposed 25mm ceiling grid. Brackets available for plasterboard mount.

VIRGIN ATLANTIC FLIGHTSTORE

NORFOLK

The brand new Virgin Atlantic Flightstore building needed a high profile look and stunning performance to match its high-impact interior decoration. The office areas used the latest high performance TamLite 2020 Excel T5 modules whilst the canteen and rest areas used the latest energy efficient LED downlights to help keep running costs to a minimum.

flightstore
virgin atlantic

ULTRA LED



- + High power professional downlight with Philips 'Fortimo' DLM LED module and driver
- + High quality components for long life and maximum efficiency
- + Wide range of optional accessories available
- + Available in 3 lumen packages

- + Supplied as 4000K, warm white (3000K) available
- + High CRI >80
- + Pressed steel body with die-cast heat sink
- + Polished aluminium reflector
- + Remote driver



RECESSED LED DOWNLIGHT

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficiency (lm/W)	Weight (kg)	Emergency Code	Weight (kg)
ULT200LED/1100 LED DLM Module		1085	12	89	1.00	ULT200LED/1100/RM3	3.00
ULT200LED/2000 LED DLM Module		1974	23	86	1.00	ULT200LED/2000/RM3	3.00
ULT200LED/3000 LED DLM Module		2961	34	88	1.00	ULT200LED/3000/RM3	3.00
ULT260LED/1100 LED DLM Module		1085	12	89	1.15	ULT260LED/1100/RM3	3.15
ULT260LED/2000 LED DLM Module		1974	23	86	1.15	ULT260LED/2000/RM3	3.15
ULT260LED/3000 LED DLM Module		2961	34	88	1.15	ULT260LED/3000/RM3	3.15

IP CLASS



INSTALLATION NOTES

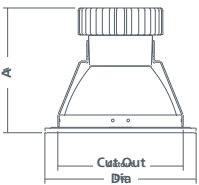
Recessed into plasterboard or exposed grid ceiling via spring clips

LAMP TYPE



DIMENSIONS (MM)

Type	A	Dia	Cut Out
ULT200	150	200	180
ULT260	165	260	240



FOR PRODUCT LITERATURE USE ONLY
Created: 30/07/2014 Author: JP
Subject: LED ULTRA
Description:
THIS NOTE IS NOT TO APPEAR ON DRAWING
Drawing scaled to fit sheet area
For rectangular products use
A = Length
B = Width
C = Height
For circular products use
A = Height
Dia = Diameter
Cutout = Cutout dimension
If necessary include
Centres = Fixing centres

OPTIONS

- (HFD) High frequency digital dimming control gear
- (HFR) 1-10V dimming control gear
- (DALI) DALI dimming control gear
- (WW) Warm white LED (3000K)

Circular recessed LED downlight as per
Tamilite ULTRA LED range

ULTRA ACCESSORIES

ULTRA DIFFUSERS (200MM



Order Code Features	
ULTODS	Polycarbonate opal diffuser
ULTPDS	Polycarbonate prismatic diffuser
ULTCDS	Polycarbonate clear diffuser

ULTRA DIFFUSERS (260MM



Order Code Features	
ULTODL	Polycarbonate opal diffuser
ULTPDL	Polycarbonate prismatic diffuser
ULTCDL	Polycarbonate clear diffuser

ULTRA GLASS (200MM



Order Code Features	
DGR2S	Frosted glass ring
DGR5S	Frosted holed ring

ULTRA GLASS (260MM



Order Code Features	
DGR2L	Frosted glass ring
DGR5L	Frosted holed ring

ULTRA LOUVRES (200MM



Order Code Features	
ULT4CS	4 cell polished aluminium louvre
ULTHWTS	Turbo polished aluminium louvre

ULTRA LOUVRES (260MM



Order Code Features	
ULT4CL	4 cell polished aluminium louvre

ULTRA GLASS (200MM



Order Code Features	
DGR7S	Frosted holed ring with perforated edge ring
DGR6S	Frosted glass ring with perforated edge ring

ULTRA GLASS (260MM



Order Code Features	
DGR7L	Frosted holed ring with perforated edge ring
DGR6L	Frosted glass ring with perforated edge ring

2020 DL



- + Compact powerful professional downlight with Philips ‘Fortimo’ SLM LED module and driver
- + High quality components for long life and maximum efficiency
- + Supplied with 4000K module
- + High CRI >80
- + Pressed steel body with die-cast heat sink
- + Polished and faceted aluminium reflector
- + Remote driver



COMPACT PROFESSIONAL DOWNLIGHT

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TD20DL19L	LED SLM Module	1600	20	80	0.61

IP CLASS



INSTALLATION NOTES

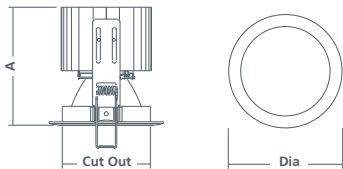
Recessed into plasterboard or exposed grid ceiling via spring clips

LAMP TYPE



DIMENSIONS (MM)

A	Dia	Cut Out
100	100	90



OPTIONS

- (HFD) High frequency digital dimming control gear
- (HFR) 1-10V dimming control gear
- (DALI) DALI dimming control gear

TO SPECIFY

Circular recessed LED downlight as per TamLite ‘2020 DL’ range

STARLITE PRO



- + Regressed downlight with 9W LED module
- + Regressed lamp fixing, ideal for low glare requirements
- + Modern styling for bars, hotels and display areas
- + Supplied as 4000K, warm white (3000K) available
- + High CRI >80
- + Pressed steel body with die-cast heat sink
- + Black or white baffle insert
- + Remote plug-in driver
- + 3 pole termination block with loop-in/loop-out facility



IP CLASS



LAMP TYPE

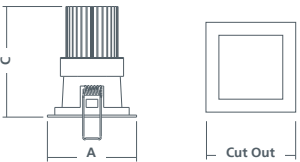


INSTALLATION NOTES

Recessed into plasterboard or
exposed grid ceiling via spring clips

DIMENSIONS (MM)

A	B	C	Cut Out
87	87	110	75 x 75



OPTIONS

- (HFD) High frequency digital
dimming control gear
- (HFR) 1-10V dimming control gear
- (WW) Warm white LED (3000K)
- (WH) White insert baffle

TO SPECIFY

Square recessed LED downlight as per
Tamlite 'Starlite Pro' range

REGRESSED DOWNLIGHT WITH 9W LED MODULE

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)	Emergency Code	Weight (kg)
TLED-680	LED Module	530	9	59	0.41	TLED-680/RM3	2.00

ACCENT

DISCHARGE

DOWNLIGHTS

SPOTLIGHTS

LED SPOTLIGHTS

TRACK SPOTLIGHTS

TRACK

PRIMA



- + T5 lamps or LED SMD modules
 - + Unique, high performance diffuser optic for excellent glare control and light transmission
 - + Secured end caps
 - + 5 years warranty
-
- + LED options supplied with neutral white (4000K) LED
 - + High CRI >80
 - + White powder-coated steel body
 - + Polycarbonate extruded diffuser with end caps and screw fixings
 - + High quality electronic ballast and lamps

SURFACE T5 MODULE

Order Code	Lamps	Weight (kg)	Emergency Code	Weight (kg)
TMP128	1 x 28W T5	4.05	TMP128/M3	4.85
TMP135	1 x 35W T5	5.30	TMP135/M3	6.10
TMP149	1 x 49W T5	5.30	TMP149/M3	6.10
TMP228	2 x 28W T5	4.15	TMP228/M3	4.95
TMP235	2 x 35W T5	5.40	TMP235/M3	6.20
TMP249	2 x 49W T5	5.40	TMP249/M3	6.20

SURFACE LED MODULE

Order Code	Lamps	Lumen Output (lm)	Total Power (w)	Efficacy (lm/w)	Weight (kg)	Emergency Code	Weight (kg)
TMP41R220	LED SMD MODULES	2200	20	110	4.05	TMP41R220/M3	5.95
TMP42R440	LED SMD MODULES	4400	40	110	4.10	TMP42R440/M3	6.00
TMP51R270	LED SMD MODULES	2700	24	113	5.30	TMP51R270/M3	7.20
TMP52R540	LED SMD MODULES	5400	48	113	5.35	TMP52R540/M3	7.25
TMP51R355	LED SMD MODULES	3550	36	99	5.30	TMP51R355/M3	7.20
TMP52R717	LED SMD MODULES	7170	72	100	5.35	TMP52R717/M3	7.25
TMP51R578	LED SMD MODULES	5780	54	107	5.30	TMP51R578/M3	7.20
TMP52R1156	LED SMD MODULES	11560	108	107	5.35	TMP52R1156/M3	7.25



IP CLASS



INSTALLATION NOTES

Surface mount via rear entry BESA fixings
or suspended via wire suspension kit

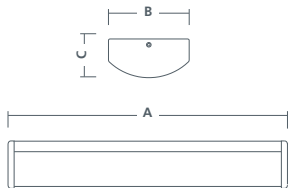


LAMP TYPE



DIMENSIONS (MM)

TYPE	A	B	C	Fixing Centre
1/2 x 28W T5	1215	185	90	600
1/2 x 35/49/80W T5	1515	185	90	600
20/40W LED	1215	185	90	600
24/36/48/54/72/108W LED	1515	185	90	600



- OPTIONS
- (HFD) High frequency digital dimming control gear
 - (WW) Warm white LED (3000K)
 - (NW) Neutral white LED (4000K)

- VISION LIGHTING CONTROLS
- (V201) Integral PIR device
 - (V202) Integral PIR device with photocell
 - (V303) Integral PIR with daylight dimmable photocell

TO SPECIFY

Surface linear module with prismatic diffuser as per Tam-lite 'PRIMA' range

2020 SOLO

- + Modern slimline styling
 - + Single T5 lamp
 - + VDT louvre or opal diffuser
 - + Continuous run versions available
 - + Wire suspension or ceiling fix mounting option
-
- + Extruded aluminium body
 - + Die-cast aluminium end caps
 - + Specular 99.9%, VDT (LG7 2005) high output aluminium louvre
 - + Smooth opal diffuser
 - + Finished in RAL 9006 Grey



LINEAR T5 MODULE (VDT LOUVRE

Order Code	Lamps	Weight (kg)
TM202010128/VDT	1 x 28W T5	3.25
TM202010135/VDT	1 x 35W T5	4.10
TM202010154/VDT	1 x 54W T5	3.25
TM202010180/VDT	1 x 80W T5	4.10

LINEAR T5 MODULE (OPAL DIFFUSER

Order Code	Lamps	Weight (kg)
TM202010128	1 x 28W T5	3.25
TM202010135	1 x 35W T5	4.00
TM202010154	1 x 54W T5	3.25
TM202010180	1 x 80W T5	4.00

IP CLASS



INSTALLATION NOTES

Surface mount or suspended via wire suspension kit

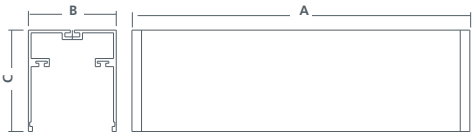


LAMP TYPE



DIMENSIONS (MM)

TYPE	A	B	C
1 x 28/54W T5	1180	65	75
1 x 35/80W T5	1480	65	75



OPTIONS

- (HFD) High frequency digital dimming control gear
- (HFR) 1-10V dimming control gear

TO SPECIFY

Suspended or ceiling mounted, single lamp T5 linear modules with diffuser or optic louvre as per Tam-lite '2020 SOLO' range

2020 SOLO LED



- + Modern LED linear system with high performance module and optic
- + Suitable for open areas, schools and offices
- + Wire suspension or ceiling fix mounting option
- + 2 colour finish options available
- + Continuous run versions available
- + High performance diffuser gives optimum efficacy

- + Available in warm white (3000K) and neutral white (4000K)
- + High CRI >80
- + High quality aluminium extrusion
- + Die-cast end caps and connection joints
- + Baked epoxy powder paint coat in RAL 9006 or RAL 9016
- + Suspended versions are supplied with 2 x 1.5 metres suspension cables



SUSPENDED LED LINEAR SYSTEM (MICROPRISM DIFFUSER)

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TM20204380	LED SMD Modules	3800	45	84	3.75
TM20205480	LED SMD Modules	4800	55	87	4.25

IP CLASS



INSTALLATION NOTES

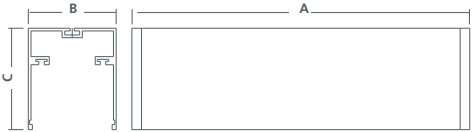
Surface mount or suspended via wire suspension kit (supplied)

LAMP TYPE LED



DIMENSIONS (MM)

Type	A	B	C
45W LED	1183	65	65
55W LED	1483	65	65



OPTIONS

- (HFD) High frequency digital dimming control gear
- (G) Grey (RAL 9006)
- (W) White (RAL 9016)
- (WW) Warm white LED (3000K)
- (NW) Neutral white LED (4000K)

TO SPECIFY

Suspended or ceiling mounted LED linear modules with diffuser or optic louvre, as per TamLite '2020 SOLO' range

KIRKLEES COLLEGE

HUDDERSFIELD

Kirklees College in Huddersfield was looking for new lighting that would provide better light, lower maintenance, and greater energy efficiency. The latest LED and T5 fluorescent lighting from

Tamlite dramatically reduced the lighting energy consumption at the college's centre providing annual savings of over £8,000 in energy bills and 48.6 tonnes of CO₂.

2020 SOLO LED



- + Slimline recessed LED module with opal diffuser
 - + Seamlessly blends into corridors, offices and retail applications
 - + 2 colour finish options available
 - + Can be used as stand-alone or continuous system
-
- + High CRI >80
 - + Extruded aluminium body
 - + Opal polycarbonate diffuser
 - + Baked epoxy powder paint coat in RAL 9006 or RAL 9016
 - + Available in warm white (3000K) and neutral white (4000K)



RECESSED LED MODULE

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TMR20204380	LED SMD Modules	3800	45	84	3.50
TMR20205480	LED SMD Modules	4800	55	87	4.50

IP/CLASS



INSTALLATION NOTES

Recessed into plasterboard or lay-in tile ceiling via mounting brackets

LAMP TYPE



DIMENSIONS (mm)

TYPE	A	B	C	Cut Out
45W LED	1193	86	65	1183 x 70
55W LED	1493	86	65	1483 x 70



OPTIONS

- /G Grey (RAL 9006)
- /W White (RAL 9016)
- /WW Warm white LED (3000k)
- /NW Neutral white LED (4000K)

TO SPECIFY

Recessed LED module as per Tam-lite '2020 SOLO RECESSED' range

2020 AERO

- + Shallow profile design
 - + VDT louvre or opal diffuser
 - + Latest T5 lamp technology (lamps supplied)
 - + Continuous systems also available
 - + Upward light distribution (18%)
-
- + High quality aluminium extrusion
 - + Die-cast end caps and connection joints
 - + Opal diffuser or high (99.9%) reflectance aluminium louvre optic
 - + Clear polycarbonate diffuser supplied for upward lighting compartment
 - + Baked epoxy powder paint coat in RAL 9006



SUSPENDED T5 SYSTEM - VDT LOUVRE

Order Code	Lamps	Weight (kg)
TM202020128/VDT	1 x 28W T5	6.11
TM202020135/VDT	1 x 35W T5	7.50
TM202020228/VDT	2 x 28W T5	11.04
TM202020235/VDT	2 x 35W T5	13.56

SUSPENDED T5 SYSTEM - OPAL DIFFUSER

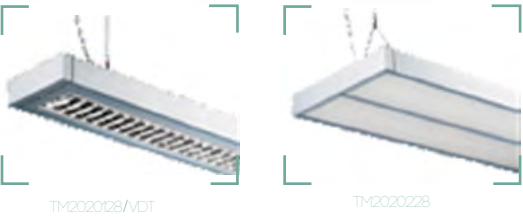
Order Code	Lamps	Weight (kg)
TM202020128	1 x 28W T5	5.77
TM202020135	1 x 35W T5	7.08
TM202020228	2 x 28W T5	10.36
TM202020235	2 x 35W T5	12.72

IP/CLASS



INSTALLATION NOTES

Wire suspension as standard,
but ceiling mount version also available



LAMP TYPE



DIMENSIONS (mm)

TYPE	A	B	C
2 x 28/54W T5	1210	298	50
2 x 35/80W T5	1510	298	50



OPTIONS

- /HFD High frequency digital dimming control gear
- /HFR 1-10V dimming control gear

TO SPECIFY

Slimline T5 suspended or ceiling mounted module, single or twin lamp with louvre or diffuser as per Tam-lite '2020 AERO' range

ARCO

- + Linear suspended fluorescent lighting system
 - + Ideal solution for architects and designers
 - + Modern stylish profile
 - + High quality specification and performance
 - + Indirect and direct output
-
- + Extruded aluminium profile finished in white RAL 9010 (grey RAL 9006 option)
 - + Aluminium cross-blade louvre or polycarbonate grill for direct light content
 - + Polycarbonate reeded diffuser for upward light content
 - + High frequency control gear

ACCESSORIES

Full range of accessories are available - see pages 46-47

IP/CLASS



INSTALLATION NOTES

Wire suspension via suspension kits,
with top-mounted cable entry

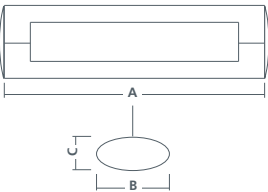


LAMP TYPE

T5

DIMENSIONS (mm)

TYPE	A	B	C
2 x 28W T5	1920	140	65
2 X 35W T5	2220	140	65



OPTIONS

- /HFD High frequency digital dimming control gear
- /HFR 1-10V dimming control gear
(Length may change depending
on chosen control gear option)

TO SPECIFY

Linear suspended fluorescent modular
system as per Tamlite 'ARCO' range

Order Code	Lamps	Weight (kg)
ARC228/VDT	2 x 28W T5	4.51
ARC235/VDT	2 x 35W T5	5.51

ARCO ACCESSORIES

- + One wire suspension is required the first and last module in each continuous run
- + One wire suspension is required for each connection point
- + Supplied with white polycarbonate ceiling fix cover with 1 x 40 millimetres diameter hole
- + Suspension kit with power supply has a maximum loading of 2.0kW



ARCO SUSPENSION ACCESSORIES

Order Code	Lamps	Weight (kg)
ARCSUS	1500mm single wire suspension kit	0.05
ARCSUSW	1500mm single wire suspension kit with 3 core power supply feed	0.26

ARCO CONNECTION ACCESSORIES

Order Code	Lamps	Weight (kg)
ARC2MT	1.0m section with 3 circuit mains track	3.17
ARC4MT	1.3m section with 3 circuit mains track	4.04
ARC5MT	1.6m section with 3 circuit mains track	4.91
ARC6M	1.9m blank module	5.78
ARCEC	End cap	0.05
ARCSC	Straight connector	0.07
ARC90	90° connector	0.21
ARCTC	T connector	0.28
ARCXC	Cross connector	0.32
ARCFC	Flexible connector	0.41



ACCENT

DISCHARGE

DOWNLIGHTS

SPOTLIGHTS

LED SPOTLIGHTS

TRACK SPOTLIGHTS

TRACK

ELEGANCE

- + Shallow profile circular bulkhead
- + Designed for receptions, staircases and general interior lighting
- + Available in 2 trim colour options (other colours available on request)
- + Available with compact fluorescent or LED lamps
- + Integral emergency option

- + LED option supplied with neutral white (4000K) LED
- + High CRI >80
- + Spun steel body
- + Opal polycarbonate diffuser
- + Electronic control gear



CIRCULAR BULKHEAD

Order Code	Lamps	Trim	Weight (kg)	Emergency Code	Weight (kg)
EL282L/W/HF	1 x 28W 2D	White	1.80	EL28M3/2L/HF	2.43
EL382L/W/HF	1 x 38W 2D	White	1.90	EL38M3/2L/HF	2.53
EL2182L/W/HF	2 x 18W PL-L	White	1.83	EL218M3/2L/HF	2.46
EL282L/PC/HF	1 x 28W 2D	Polished chrome	1.22	EL28M3/2L/HF/PC	1.85
EL382L/PC/HF	1 x 38W 2D	Polished chrome	1.32	EL38M3/2L/HF/PC	1.95
EL2182L/PC/HF	2 x 18W PL-L	Polished chrome	1.25	EL218M3/2L/HF/PC	1.88

LED CIRCULAR BULKHEAD

Order Code	Lamps	Trim	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)	Emergency Code	Weight (kg)
EL17/LED/2L/W LED SMD Module White			900	18	50	1.70	EL17/LEDM3/2L	2.10
EL17/LED/2L/PC LED SMD Module Polished chrome			900	18	50	1.12	EL17/LEDM3/2L/PC	1.52

ACCESSORIES

REC430 Semi-recessing kit

IP CLASS



INSTALLATION NOTES

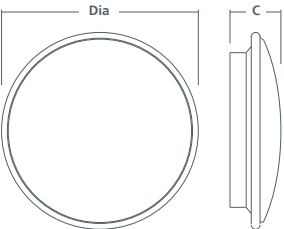
Wall or ceiling mount via 20mm rear entry holes

LAMP TYPE



DIMENSIONS (MM)

C	Dia
93	430



OPTIONS

(HFD) High frequency digital dimming control gear

VISION LIGHTING CONTROLS

(HFS) Integral microwave sensor
(HFS D) Integral dimmable microwave sensor

TO SPECIFY

Shallow circular bulkhead as per Tam-lite 'ELEGANCE' range supplied with lamp

CIRCLIGHT

- + General purpose IP65 weatherproof luminaire
- + Wide range of interior and exterior applications
- + Shallow or domed opal diffuser option
- + Available in compact fluorescent or LED lamp options

- + LED option supplied with neutral white (4000K) LED
- + High CRI >80
- + Polycarbonate body
- + Opal PMMA diffuser
- + Electronic control gear

DOMED

SHALLOW

CIRCULAR PROFILE BULKHEAD

Order Code	Type	Lamps	Weight (kg)	Emergency Code	Weight (kg)
CLD360/128/HF	Domed	1 x 28W 2D	1.30	CLD360/28M3	2.10
CLD360/218/HF	Domed	2 x 18W PL-L	1.40	CLD360/218M3	2.20
CL360/128/HF	Shallow	1 x 28W 2D	1.40	CL360/28M3	2.20
CL360/218/HF	Shallow	2 x 18W PL-L	1.50	CL360/218M3	2.30

LED CIRCULAR PROFILE BULKHEAD

Order Code	Type	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)	Emergency Code	Weight (kg)
CLD360/17LED Domed LED SMD Module			800	18	44	1.30	CLD360/17LEDM3	2.08
CL360/17LED Shallow LED SMD Module			800	18	44	1.40	CL360/17LEDM3	2.18

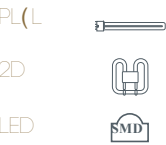
IP CLASS



INSTALLATION NOTES

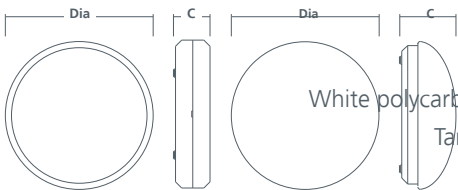
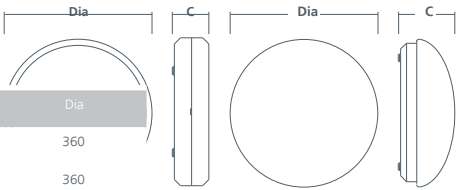
Wall or ceiling mount via 20mm rear entry holes

LAMP TYPE



DIMENSIONS (MM)

TYPE	C	Dia
Domed	140	360
Shallow	83	360



White polycarbonate weatherproof bulkhead as per Tamlite 'CIRCLIGHT' range supplied with lamp

OPTIONS

(HFD) High frequency digital dimming control gear

VISION
LIGHTING CONTROLS



(HFS) Integral microwave sensor

(HFS D) Integral dimmable microwave sensor

TO SPECIFY

DELTA

- + Modern circular bulkhead
- + IP65 weatherproof
- + Concealed screw fix for diffuser
- + Available with 2D or LED lamp options

- + LED option supplied with neutral white (4000K) LED
- + High CRI >80
- + All polycarbonate body and diffuser
- + Metal gear tray
- + White body and opal diffuser
- + Electronic control gear

2D CIRCULAR BULKHEAD

Order Code	Lamps	Weight (kg)	Emergency Code	Weight (kg)
DEL28/HF	1 x 28W 2D	1.50	DEL28M3	2.44

LED CIRCULAR BULKHEAD

Order Code	Lamps	Lighten Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)	Emergency Code	Weight (kg)
DEL17LED	LED SMD Module	700	18	39	1.50	DEL17LED/M3	1.90



IP CLASS



INSTALLATION NOTES

Wall or ceiling mount via 20mm rear entry holes

LAMP TYPE

LED

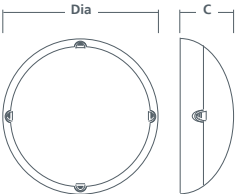
SMD

2D



DIMENSIONS (MM)

C	Dia
110	340



OPTIONS

- (HFD) High frequency digital dimming control gear

VISION



LIGHTING CONTROLS

- (HFS) Integral microwave sensor
- (HFSD) Integral dimmable microwave sensor

TO SPECIFY

Circular IP65 white/opal bulkhead as per Tam-lite 'DELTA' range supplied with lamp

FIRE AND RESCUE

NORTH YORKSHIRE FIRE AND RESCUE

The North Yorkshire Fire and Rescue headquarters at Northallerton boasts the latest in low-energy lighting, combined with a modern and dynamic environment. The building houses many of the corporate and practical functions within the scope of the authority and therefore the performance and demands of the lighting installation presented some unique challenges to the Tamlite design team. The corridors and stairways utilise the Tamlite Elegance wall/ceiling luminaire which has integral emergency back-up and a decorative, polished chrome trim.

LUNAR



- + Available with 3 LED outputs
- + Ideal for achieving design performance for corridor areas (100 lux)
- + High quality body and diffuser fixing
- + Side conduit entry
- + Integral 3 hours emergency option

- + Available in warm white (3000K) and neutral white (4000K)
- + High lumen efficacy - up to 92lm/W
- + High CRI >80
- + Polycarbonate body and diffuser in RAL9010
- + Supplied with compact LED modules mounted on white steel gear tray
- + 20 millimetre knock-out conduit entries on rear and side of body



OPTIONS

- (HFD) High frequency digital dimming control gear
- (WW) Warm white LED (3000K)
- (NW) Neutral white LED (4000K)

HIGH PERFORMANCE LED BULKHEAD

Order Code	Lamps	Lumen Output (lm)	Total Power (w)	Efficacy (lm/w)	Weight (kg)	Emergency Code	Weight (kg)
LUN110	LED SMD Module	1100	13	87	1.50	LUN110/M3	4.15
LUN220	LED SMD Module	2200	24	92	1.60	LUN220/M3	4.30
LUN300	LED SMD Module	3000	37	80	1.70	LUN300/M3	4.40

IP CLASS

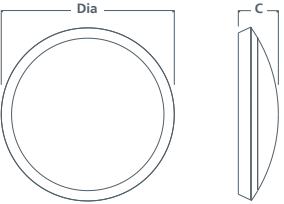


LAMP TYPE



DIMENSIONS (MM)

C	Dia
105	454



VISION LIGHTING CONTROLS

- (HFS) Integral microwave sensor
- (HFS D) Integral dimmable microwave sensor

TO SPECIFY

Circular IP44 white/opal LED bulkhead as per Tam-lite 'LUNAR' range

ICE LED

- + Class II rating is ideal for bathroom areas
- + IP44 for splash proof applications
- + High quality LED chip and driver
- + Shallow profile, less than 50 millimetres deep
- + Simple bracket fixing

- + Available in neutral white (4000K)
- + High CRI >80
- + Aluminium body finished in silver
- + Opal polycarbonate diffuser
- + Rear cable entry and fixing bracket



COMPACT CLASS II LED BULKHEAD

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
ICE18L	LED SMD Module	1200	18	67	1.20

60

WALL

IP CLASS



INSTALLATION NOTES

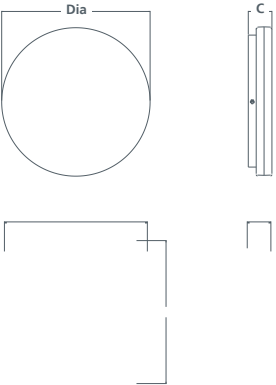
Wall or ceiling fix via rear fixing bracket and grub screws

LAMP TYPE



DIMENSIONS (MM)

C	Dia
44	270



TO SPECIFY

Compact class II LED bulkhead as per
Tamlite 'ICE LED' range

WALL

61

ACCENT

DISCHARGE
DOWNLIGHTS
SPOTLIGHTS
LED SPOTLIGHTS
TRACK SPOTLIGHTS
TRACK

62

PENDANT

PENDANT

63

SAPPHIRE

- + Prismatic pendant for use with high output PL-T lamps
 - + Integral high frequency control gear
 - + Suitable for large area lighting
 - + Available in 3 body sizes
-
- + Prismatic polycarbonate refractor
 - + Steel gear housing
 - + High frequency control gear



ACCESSORIES

TSP LENS Polycarbonate lens

IP CLASS



INSTALLATION NOTES

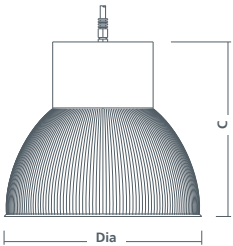
Wire suspension via ceiling plate and 2 metres cable with black flex

LAMP TYPE

PL(T) 

DIMENSIONS (MM)

TYPE	C	Dia
1 x 42W PL-T	325	320
2 x 42W PL-T	410	360
4 x 42W PL-T	510	410



TSP42



TSP242



TSP442

OPTIONS

(RMB Remote maintained 3 hours emergency option (4 x 42W version only)

TO SPECIFY

Decorative prismatic pendant as per TamLite 'SAPPHIRE' range, supplied with gear and lamp

REFRACTOR(LUX

- + Decorative prismatic refractor
- + Suitable for retail stores, banking halls, hotel foyers and large public indoor areas
- + Standard body has adjustable lamp holder position to suit a wide variety of installations
- + Choice of metal halide, high pressure sodium or new Venture Eco HID lamps
- + Steel white epoxy polyester painted gear housing fixed to refractor unit via aluminium mounting collar
- + UV stabilised high efficacy, 570 millimetres diameter prismatic acrylic refractor
- + Triple pole mains terminal block
- + Supplied with lamp and gear
- + Available with Venture Eco lamps, see page 186 for further details



ACCESSORIES

HIRU PRISLENS Prismatic acrylic conical lens

HIRU RETRING Stainless steel retention ring

(must be ordered with HIRU PRISLENS)

IP(CLASS



INSTALLATION NOTES

Chain suspension (not supplied)

LAMP TYPE

MBI(E



HPI(E

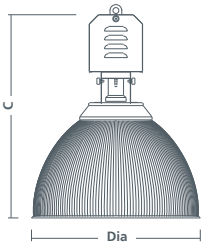


ECO(HID



DIMENSIONS (MM(

Dia	C
570	720



OPTIONS

(TI Timed igniter

(CS Cold store version for ambient temperature down to MBI -25°C

(DECO Decorative cast gear box housing finished in grey

TO SPECIFY

Prismatic pendant refractor unit with steel gear housing for use with high output discharge lamps as per Tam-lite 'REFRACTOR-LUX' range

REFRACTOR(LUX HIGH BAY

Order Code	Lamps	Weight (kg)
HIRU150MBI	1 x 150W MBI/E	7.75
HIRU250HPI	1 x 250W HPI/E	9.45
HIRU400HPI	1 x 400W HPI/E	10.45
HIRU120ECO	1 x 120W ECOMBI	7.75
HIRU200ECO	1 x 200W ECOMBI	9.45
HIRU320ECO	1 x 320W ECOMBI	10.45



STRATSTONE BMW

DEALERSHIP DERBY

When Stratstone BMW in Derby refurbished their executive car showroom they chose TamLite Refractor-Lux pendants with decorative gear housings for that modern feel. For such a prestigious car showroom light quality and intensity was equally as important as the contemporary look. The Refractor-Lux pendants provided the level of light and energy efficacy required.

2020 P(SPOT

- + High output LED Pendant
- + Compact and modern design
- + Designed for exclusive office interior installations

- + Supplied with 6W LED SMD module in neutral white (4000K)
- + Supplied with integral driver
- + Die-cast aluminium housing finished in silver
- + Supplied with 1.5 metres wire suspension and cable drop



IP(CLASS



LAMP TYPE



DIMENSIONS (MM)

A	B	C
108	121	88



MATCHING WALL LIGHT
(SEE PAGE 82)



TO SPECIFY

Modern single LED pendant as per
Tamlite '2020 P-SPOT' range

SINGLE LED PENDANT

Order Code	Lamps	Total Power (W)	Weight (kg)
TD20P6L	LED SMD Module	6	0.90

ORBIT

- + Modern LED pendant for reception and accent areas
- + 15W LED module with integral driver
- + Frosted diffuser provides even light distribution
- + Supplied with 15W LED SMD module in neutral white (4000K)
- + High CRI >80
- + Frosted glass diffuser
- + Spun steel canopy finished in black or white
- + 0.75 metre wire suspension with power cable



IP CLASS

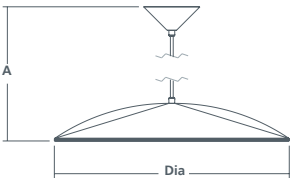


LAMP TYPE

LED SMD

DIMENSIONS (MM)

A	Dia
1000	500



OPTIONS

- (W) White
- (B) Black
- (WW) Warm white
- (NW) Neutral white

TO SPECIFY

Decorative LED pendant as per
Tamlite 'ORBIT' range

MODERN LED PENDANT

Order Code	Lamps	Weight (kg)
TD-OR15	LED SMD Module	4.30

ACCENT

DISCHARGE

DOWNLIGHTS

SPOTLIGHTS

LED SPOTLIGHTS

TRACK SPOTLIGHTS

TRACK



- + High performance adjustable LED downlight
 - + Philips Fortimo SLM LED module and remote driver
 - + High quality LED light source, ideal for retail applications
 - + High efficacy - up to 75 lumens/Watt
 - + Fully adjustable up to 350° rotation and 45° tilt
-
- + Available in warm white (3000K) and neutral white (4000K)
 - + High CRI >80
 - + Die-cast aluminium body finished in white
 - + 50,000 hours expected life (L70/B50) and 5 years warranty



HIGH OUTPUT ADJUSTABLE LED DOWNLIGHT

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TMHGLE2000	LED DLM Module	1700	23	75	1.90
TMHGLE3000	LED DLM Module	2600	34	78	1.95

IP CLASS

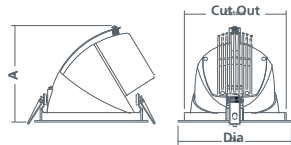


LAMP TYPE



DIMENSIONS (MM)

A	Dia	Cut Out
175	205	195



OPTIONS

- (WW) Warm white LED (3000K)
- (NW) Neutral white LED (4000K)

TO SPECIFY

High output recessed LED downlight as per Tamlite 'TMH-G' range

- + High output, adjustable LED downlight
- + Recessed fixture suitable for entrance areas and retail
- + 30,000 hours expected life (L70/B50) and 3 years warranty

- + Supplied with neutral white (4000K) COB module
- + High CRI >80
- + Die-cast aluminium body finished in white
- + Fully adjustable up to 50° tilt
- + Remote plug-in driver



IP CLASS

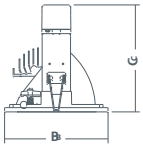
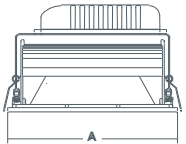


LAMP TYPE



DIMENSIONS (MM)

A	B	C	Cut Out
228	139	138	221 x 127



TO SPECIFY

High output adjustable LED downlight as per Tam-lite 'TMH' range

HIGH OUTPUT ADJUSTABLE LED DOWNLIGHT

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TMHLED280	LED COB Module	2800	30	93	1.24

2020 S(SPOT

- + Suspended LED spot with single or twin heads
- + High output LED modules
- + Integral driver
- + Adjustable spot head design

- + Supplied with 1 or 2 x 18W LED module in neutral white (4000K)
- + High CRI >80
- + Die-cast aluminium housing finished in silver
- + Supplied with 1.6 metres wire suspension & cable drop
- + Integral driver



SUSPENDED LED SPOTLIGHT

Order Code	Lamps	Weight (kg)
TD20M18L	LED SMD Modules	1.40
TD20M36L	LED SMD Modules	2.10

IP(CLASS



INSTALLATION NOTES

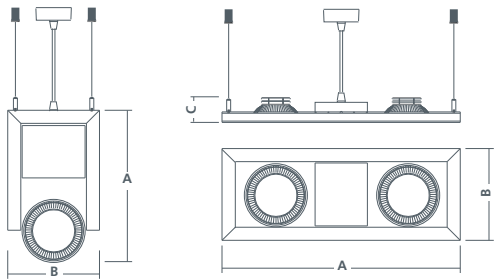
Wire suspension with ceiling fixing and separate power cable to ceiling box

LAMP TYPE

LED SMD

DIMENSIONS (MM)

TYPE	A	B	C
18W LED	330	185	-
2 x 18W LED	500	185	52



TO SPECIFY
Modern multi pendant LED spotlight
as per Tam-lite '2020 S-SPOT' range

2020 W-SPOT

- + LED wall uplight
- + High output LED module
- + Supplied with 6 x 1W LED modules in neutral white (4000K)
- + High CRI >80
- + Die-cast aluminium housing finished in silver
- + Supplied with integral driver

IP-CLASS



INSTALLATION NOTES

Wall mounted via wall bracket

SINGLE WALL UPLIGHT

Order Code	Lamps weight (kg)
TD20W6L	LED SMD Modules: 0.70

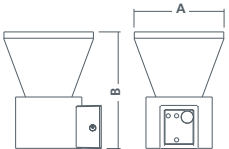


LAMP TYPE

LED SMD

DIMENSIONS (MM)

A	B
108	141



MATCHING PENDANT (SEE PAGE 70)



TO SPECIFY

Modern single LED wall uplight as per
Tamlite '2020 W-SPOT' range

VAUXHALL MOTORS

HEAD OFFICE (LUTON

Within Vauxhall Motor's head office, Griffin House, there is a strong demand for interior design that is both functional and also reflects Vauxhall's corporate values. Nowhere is this more important than in its foyer area, which has been refurbished with LED lighting from TamLite. The foyer area creates the vital first impression at any corporate headquarters and, for Vauxhall, it was an opportunity to feature sleek, modern lighting that is also highly energy-efficient.

EUROPA LED



- + Fully adjustable, high output LED spotlight
- + High efficacy - up to 80 lumens/Watt
- + 50,000 hours expected life (L70/B50) and 5 years warranty
- + Supplied with neutral white (4000K) Philips SLM module and integral driver
- + Die-cast aluminium body finished in silver (other colours available, see options)
- + Supplied with a single circuit track adapter (3 circuit track adapter available, see options)
- + Surface mount option available

ACCESSORIES

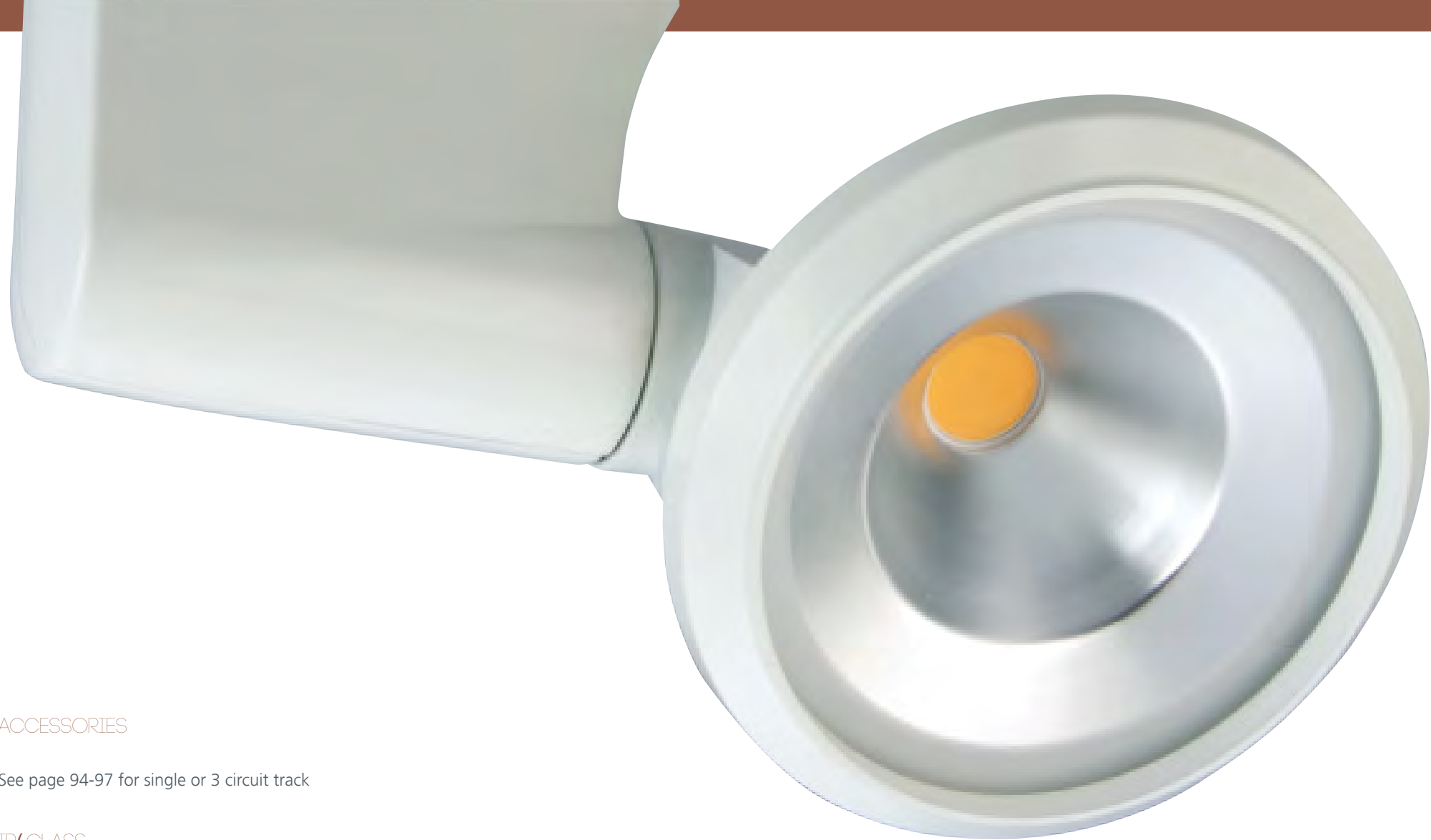
See page 94-97 for single or 3 circuit track

IP CLASS



INSTALLATION NOTES

Track mounted via single or 3 circuit track adapter with surface mounted version available (See pages 94-97 for track options)



OPTIONS

- (W) White
- (B) Black
- (S) Surface mount
- (3T) 3 Circuit track adapter

TO SPECIFY

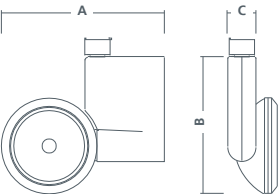
High output LED track spotlight as per Tamlite 'EUROPA' range

LAMP TYPE

LED

DIMENSIONS (MM)

A	B	C
230	190	45



TRACK MOUNTED LED SPOTLIGHT

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TD20TS19L	LED SLM Module	1700	19	89	0.90

2020 T(SPOT

- + Modern track spotlight
- + High output LED or CDM-T lamp options
- + Integral driver or ballast
- + Unique adjustable lens design allows for variable (10° - 60°) beam angle - for LED versions only
- + Medium beam (40°) reflector supplied with CDM-T versions
- + Narrow beam available (24°)

- + Supplied with 9 x 3W LED module in neutral white (4000K)
- + High CRI >80
- + Die-cast aluminium housing finished in silver or white (see options)
- + Supplied with 3 circuit track adapter
- + 35W or 70W CDM-T lamp (4000K)
- + Integral driver or electronic ballast

HQI TRACK SPOTLIGHT

Order Code	Lamps	Weight (kg)
TD20TS/35	1 x 35W CDM-T	1.80
TD20TS/70	1 x 70W CDM-T	1.80

LED TRACK SPOTLIGHT

Order Code	Lamps	Weight (kg)
TD20TS/27L	LED SMD Modules	1.66

ACCESSORIES

See page 94-97 for single or 3 circuit track

IP(CLASS



INSTALLATION NOTES

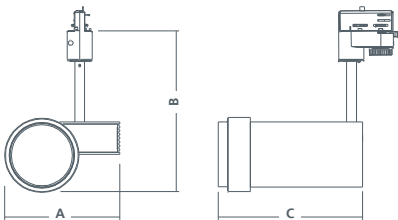
Track mounted via single or 3-circuit track adapter
(See pages 94-97 for track options)

LAMP TYPE LED



DIMENSIONS (MM)

TYPE	A	B	C
27W LED	145	220	190
1 x 35/70W CDM-T	218	245	155



OPTIONS

(W White
(NB Narrow beam (metal halide only)

TO SPECIFY

Modern LED or metal halide track spotlight
as per Tamlite '2020 T-SPOT' range

2020 MTSPOT

- + Fully adjustable, compact LED track spot
- + LED efficacy up to 60 lumens/Watt
- + 30,000 hours expected life (L70/B50) and 3 years warranty
- + Supplied with neutral white (4000K) COB module
- + High CRI >80
- + Die-cast aluminium body finished in white, black or silver
- + Supplied with a single circuit track adapter (3 circuit track adapter also available)

ACCESSORIES

See page 94-97 for single or 3 circuit track

IP CLASS



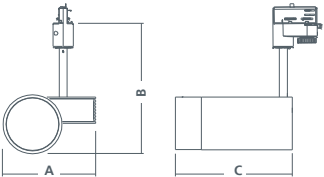
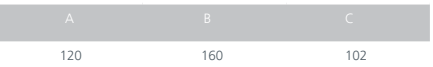
INSTALLATION NOTES

Track mounted via single or 3 circuit track adapter
(See pages 94-97 for track options)

LAMP TYPE

LED COB

DIMENSIONS (MM)



OPTIONS

- (W) White
- (B) Black
- (S) Silver
- (3T) 3 circuit track adapter

TO SPECIFY

Compact track mounted LED spotlight as
per Tamlite '2020 MT-SPOT' range

COMPACT TRACK MOUNTED LED SPOTLIGHT

Order Code	Lamps	Weight (kg)
TD20TS/12L	LED COB Module	0.68

2020 TSSPOT

- + Modern square track spotlight
 - + High output LEDs
 - + Integral driver
 - + Fully adjustable
-
- + Supplied with 6 x 3W LED module in neutral white (4000K)
 - + High CRI >80
 - + Die-cast aluminium housing finished in silver
 - + Supplied with 3 circuit track adapter



ACCESSORIES

See page 94-97 for single or 3 circuit track

IP CLASS



INSTALLATION NOTES

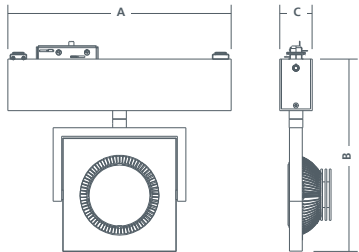
Track mounted via single or 3 circuit track adapter
(See pages 94-97 for track options)

LAMP TYPE

LED SMD

DIMENSIONS (MM)

A	B	C
262	224	38



TO SPECIFY

Modern LED square track spotlight as
per Tam-lite '2020 TS-SPOT' range

SOLO

- + 230V 16A max single circuit track system
 - + Available in 4 colour options
 - + Full range of connectors
 - + Wide range of spotlights
 - + Easy to install
-
- + Extruded aluminium
 - + Each section supplied with dead-ends

SOLO 230V SINGLE CIRCUIT TRACK SYSTEM

Order Code	Description	Length (mm)	Weight (kg)
T600	600mm track section	615	0.34
T1200	1200mm track section	1205	0.64
T1800	1800mm track section	1835	0.94
T2400*	2400mm track section	2445	1.30

*Note: T2400 in white only

SOLO TRACK ACCESSORIES

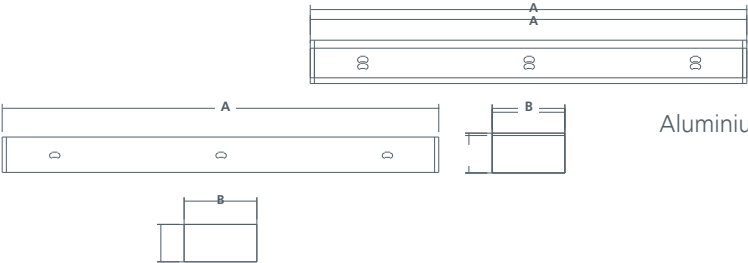
Order Code	Description	Weight (kg)
T90	L connector	0.12
TBC	Butt connector	0.03
TFC	Flexible connector	0.18
TLE	Live feed	0.07
TPA	Cable outlet (1.0m)	0.09
TSA	Suspension adapter	0.02
TSC	Straight connector	0.12
TTC	T connector	0.17
TXC	X connector	0.22

INSTALLATION NOTES

Surface fix via centre fixing holes

DIMENSIONS (MM)

A	B	C
615	35	18
1205	35	18
1835	35	18
2445	35	18



NOTE Colour must be specified when ordering

OPTIONS

- (W) White
- (B) Black
- (PB) Polished brass (track only)
- (ALUM) Aluminium (track only)

TO SPECIFY

Aluminium 230V single circuit track system
as per Tamlite 'SOLO' range



TRIO

- + 3 circuit professional track system
- + Full range of connectors
- + Allows multi switching of spotlights
- + Supplied as standard in matt aluminium finish

- + High quality extruded aluminium

230V 3 CIRCUIT TRACK SYSTEM

Order Code	Description	Length (mm)	Weight (kg)
T31000	1.0m track section	1000	1.00
T32000	2.0m track section	2000	2.00

TRIO ACCESSORIES

Order Code	Description	Weight (kg)
T390L	L connector (left earth)	0.14
T390R	L connector (right earth)	0.14
T3EC	End cap	0.01
T3LEL	Live feed (left earth)	0.07
T3LER	Live feed (right earth)	0.07
T3SC	Straight connector	0.04
T3SCF	Straight connector (central feed)	0.14
T3TCL	T connector (left earth)	0.21
T3TCR	T connector (right earth)	0.21
T3XC	X connector	0.28
T3SUSP	2.0m wire suspension kit c/w track clip	--



STANDARDS

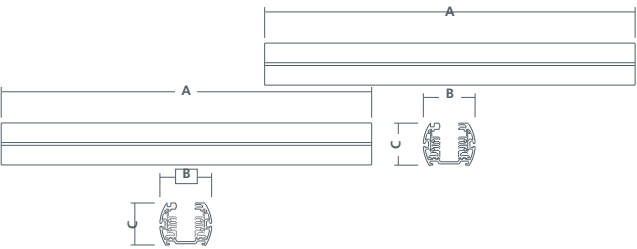


INSTALLATION NOTES

Surface fix via centre fixing holes

DIMENSIONS (MM)

A	B	C
1000	40	33
2000	40	33



OPTIONS

(w White

TO SPECIFY

230V 3 circuit track system as per
Tamlite 'TRIO' range

ACCENT

DISCHARGE

DOWNLIGHTS

SPOTLIGHTS

LED SPOTLIGHTS

TRACK SPOTLIGHTS

TRACK

HILUX HX

Low profile LED and fluorescent Luminaires for a wide variety of industrial and commercial applications including sports, retail and warehouse installations

ENERGY EFFICIENT SOLUTIONS

Modern lighting technology can now provide solutions to the most demanding of today's energy requirements. As the need for greater efficiencies and more rigorous performances are set to increase, it is vital that the latest lighting solutions can stay ahead of these demands. TamLite Lighting have developed key partnerships with the world's major component suppliers to ensure the HILUX range continues to provide the very best performance.

LIGHT SOURCE

The TamLite Lighting HILUX range uses the latest T5 high-efficacy, T5 high-output or T5 EcoPlus range of lamps to provide value and performance. Standard supply is with PHILIPS MASTER TL range with a Correlated Colour Temperature (CCT) of 4000K, all providing Colour Rendering Index CRI >85.

The HILUX-LED range now incorporates the PHILIPS FORTIMO LEDLINE LED modules with the benefit of high efficacy and long-life. Standard supply is with PHILIPS FORTIMO LEDLINE with a CCT of 4000K using the Philips XITANIUM

branded driver.

CONTROL GEAR

TamLite Lighting continue to provide the very best in performance and value with the use of Tridonic HF T5 ballasts within their HILUX range. The use of 'warm-start' ballast technology can significantly add to the lifetime of a T5 lamp system whilst optimising circuit power. Both DSI and DALI dimming options are available for all fluorescent types. Alternatively the PHILIPS range of XITANIUM drivers provides an ideal match for use with the HILUX LED and the range of PHILIPS FORTIMO LEDLINE modules. Standard supply is with fixed output drivers, with 1-10V or DALI available for dimming options.

OPTICS

TamLite Lighting's in-house design team have developed a high-performance portfolio of reflectors and optics to ensure that the benefits of energy-efficient lamps and gear are maximised. This includes three T5 reflectors for narrow, wide and medium beam patterns and a bespoke solution for the HILUX-LED range.

1. **PHILIPS** T5 fluorescent lamps as standard or HO/ECC versions or PHILIPS FORTIMO LED-LINE LED modules

2. **TRIDONIC** High quality electronic control gear (T5) or PHILIPS XITANIUM LED drivers

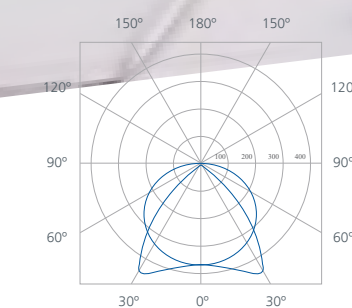
3. Simple-to-fit mounting system

4. **Ex-Or** Sensor options to optimise efficacy with presence detection and daylight dimming choices

5. **wieland** Plug & socket mains connection for ease of install and maintenance

6. **alanod** High efficacy optics manufactured from MIRO 4 for fluorescent lamps and MIRO8510 for LED systems

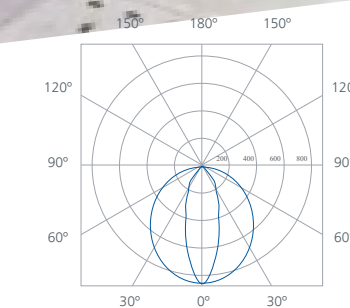
LED



Order code Lamps LOR Efficacy UGR
HXLED44300 LED Modules 0.94 107 lm/W <25

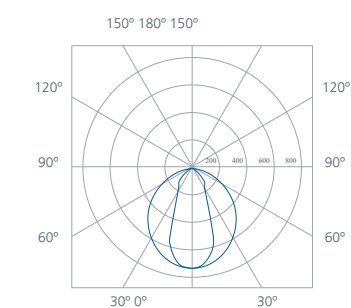
(Polar curves - cd/1000lms)

T5 NARROW BEAM



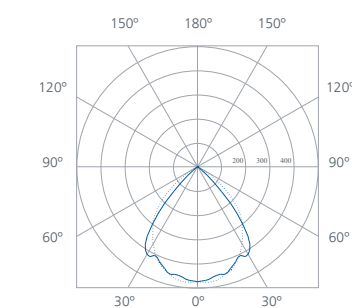
Order code Lamps LOR Efficacy UGR
HXT5249NRW 2x49W T5HO 0.92 76 lm/W <24.3

T5 MEDIUM BEAM



Order code Lamps LOR Efficacy UGR
HXT5354MED 3x54W T5HO 0.92 72 lm/W <25.7

T5 WIDE BEAM



Order code Lamps LOR Efficacy UGR
HXT5480W 4x80W T5HO 0.92 71 lm/W <25.7

HILUX HX T5

- + 3 beam distributions for optimised performance

+ Supplied with high quality T5 control gear

+ Vision sensors to provide ultimate in energy savings

+ Wire guard and diffuser cover panel options
- + Aluminium reflector in 3 beam options

+ White powder-coated steel body

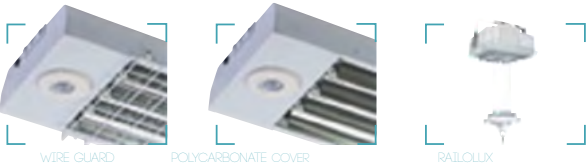
+ Integral electronic ballast

+ Supplied with T5 lamps



LOW PROFILE T5 LUMINAIRE

Order Code	Beam	Lamps	Weight (kg)	Emergency Code	Weight (kg)
HXT5249NRW	Narrow	2 x 49W T5 HO	6.30	HXT5335MED/M3	6.30
HXT5254NRW	Narrow	2 x 54W T5 HO	4.70	HXT5349MED/M3	4.70
HXT5280NRW	Narrow	2 x 80W T5 HO	6.40	HXT5354MED/M3	6.40
HXT5349NRW	Narrow	3 x 49W T5 HO	8.70	HXT5380MED/M3	8.70
HXT5354NRW	Narrow	3 x 54W T5 HO	7.60	HXT5435MED/M3	7.60
HXT5380NRW	Narrow	3 x 80W T5 HO	8.80	HXT5449MED/M3	8.80
HXT5335MED	Medium	3 x 35W T5	7.60	HXT5335MED/M3	7.60
HXT5349MED	Medium	3 x 49W T5	7.60	HXT5349MED/M3	7.60
HXT5354MED	Medium	3 x 54W T5	6.50	HXT5354MED/M3	6.50
HXT5380MED	Medium	3 x 80W T5	7.80	HXT5380MED/M3	7.80
HXT5435MED	Medium	4 x 35W T5	9.30	HXT5435MED/M3	9.30
HXT5449MED	Medium	4 x 49W T5	9.30	HXT5449MED/M3	9.30
HXT5454MED	Medium	4 x 54W T5	8.10	HXT5454MED/M3	8.10
HXT5480MED	Medium	4 x 80W T5	9.50	HXT5480MED/M3	9.50
HXT5335W	Wide	3 x 35W T5	6.10	HXT5335W/M3	6.10
HXT5349W	Wide	3 x 49W T5 HO	6.10	HXT5349W/M3	6.10
HXT5354W	Wide	3 x 54W T5 HO	5.30	HXT5354W/M3	5.30
HXT5380W	Wide	3 x 80W T5 HO	6.30	HXT5380W/M3	6.30
HXT5435W	Wide	4 x 35W T5 HO	7.40	HXT5435W/M3	7.40
HXT5449W	Wide	4 x 49W T5 HO	7.40	HXT5449W/M3	7.40
HXT5454W	Wide	4 x 54W T5 HO	6.50	HXT5454W/M3	6.50
HXT5480W	Wide	4 x 80W T5 HO	7.60	HXT5480W/M3	7.60



ACCESSORIES

- (WG) Wire guard kit
- (PC) Polycarbonate cover
- LXL12 RailoLux - Electronic Luminaire lift

IP CLASS



INSTALLATION NOTES

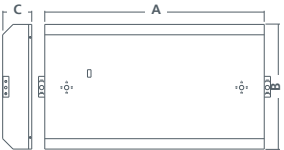
Suspension or surface mounting via fixing brackets

LAMP TYPE



DIMENSIONS (MM)

Beam	Type	A	B	C
Narrow	2 x 49/80W T5	1625	290	99
Narrow	2 x 54W T5	1325	290	99
Narrow	3 x 49/80W T5	1625	428	99
Narrow	3 x 54W T5	1325	428	99
Medium	3 x 54W T5	1325	350	87
Medium	3 x 35/49/80W T5	1625	350	87
Medium	4 x 54W T5	1325	464	87
Medium	4 x 35/49/80W T5	1625	464	87
Wide	3 x 35/49/80W	1625	240	87
Wide	3 x 54W	1325	240	87
Wide	4 x 54W T5	1325	315	87
Wide	4 x 35/49/80W T5	1625	315	87



OPTIONS

- (HFD) High frequency digital dimming control gear
- (HFR) 1-10V dimming control gear

VISION
LIGHTING CONTROLS



- (V102) PIR with photocell
- (V103) PIR with daylight dimmable photocell

TO SPECIFY

Low profile T5 fluorescent Luminaire
as per Tamlite 'HILUX-HX' range

HILUX HX LED



- + High performance LED Luminaire
- + Luminaire efficacy up to 97 lumens/circuit Watt
- + Vision sensors to provide ultimate in energy savings
- + 5 years warranty (L70/B50)
- + Wide beam distribution to suit most general lighting areas
- + Supplied with Philips LED Fortimo SMD modules in neutral white (4000K)
- + High CRI >80 supplied in 4000K
- + White powder-coated steel body
- + Aluminium reflector (MIRO8510 for LED systems)



ACCESSORIES

- (WG) Wire guard kit
- (PC) Polycarbonate cover
- LXL12 RaiLoLux - Electronic Luminaire lift

IP CLASS

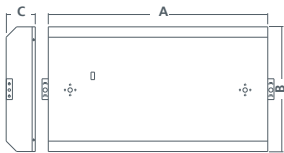


LAMP TYPE



DIMENSIONS

TYPE	A	B	C
144W LED	1310 265		66
220W LED	1310 368		66
293W LED	1310 474		66



OPTIONS

- (HFD) High frequency digital dimming control gear
- (HFR) 1-10V dimming control gear
- (CW) Cool white

VISION LIGHTING CONTROLS

- (V102) PIR with photocell
- (V103) PIR with daylight dimmable photocell

TO SPECIFY

Low profile LED Luminaire as per
Tamlite 'Hilux HX' range

LOW PROFILE LED LUMINAIRE

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)	Emergency Code	Weight (kg)
HXLED24140	LED SMD MODULES	14000	144	97	4.95	HXLED24140/M3	7.50
HXLED34210	LED SMD MODULES	21000	220	95	6.50	HXLED34210/M3	8.75
HXLED44280	LED SMD MODULES	28000	293	95	8.00	HXLED44280/M3	10.00

COORS BREWERY

BURTON(UPON)TRENT

The Molson Coors brewery in Burton-upon-Trent had a year round operation that utilised inefficient, outdated metal halide highbays and T8 switch start fluorescent batten. These were replaced with TamLite Hilux, a modern high efficacy T5 Luminaire with high reflectance optics and integrated Vision sensors. The brewery's energy consumption fell by over 46% with that figure rising to 90% at times due to the

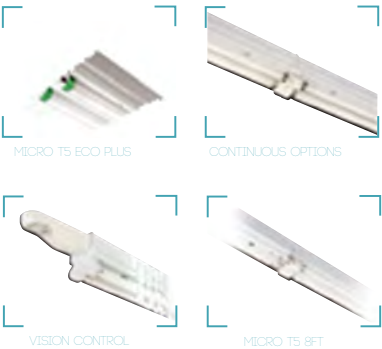
Vision sensor detecting personnel occupancy.

MICRO T5

- + Compact modern design
 - + Latest T5 lamp technology with new EcoPlus option
(See page 188 for details)
 - + Full range of accessories and lamp options
 - + 5 years warranty
-
- + White painted steel body
 - + Branded high frequency control gear as standard
 - + Supplied with branded T5 lamp

T5 SLIMLINE BATTEN

Order Code	Lamps	Weight (kg)	Emergency Code	Weight (kg)
TL28	1 x 28W T5	1.25	TL28/M3	2.05
TL35	1 x 35W T5	1.50	TL35/M3	2.45
TL228	2 x 28W T5	1.45	TL228/M3	2.25
TL235	2 x 35W T5	1.75	TL235/M3	2.70
TL54	1 x 54W T5	1.25	TL54/M3	2.45
TL49	1 x 49W T5	1.50	TL49/M3	2.05
TL80	1 x 80W T5	1.50	TL80/M3	2.45
TL249	2 X 49W T5	1.75	TL249/M3	2.40
TL254	2 X 54W T5	1.45	TL254/M3	2.25
TL280	2 x 80W T5	1.75	TL280/M3	3.40
TL428	4 X 28W T5	2.90	TL428/M3	3.85
TL454	4 x 54W T5	2.90	TL454/M3	3.85
TL44	1 x 44W T5 EcoPlus	1.25	TL44/M3	2.05
TL244	2 x 44W T5 EcoPlus	1.45	TL244/M3	2.25
TL41	1 x 41W T5 EcoPlus	1.45	TL41/M3	2.45
TL241	2 x 41W T5 EcoPlus	1.75	TL241/M3	2.70
TL66	1 x 66W T5 EcoPlus	1.50	TL66/M3	2.45
TL266	2 x 66W T5 EcoPlus	1.75	TL266/M3	2.70
TL88	2 x 44W T5 EcoPlus	2.40	TL288/M3	3.70
TL444	4 x 44W T5 EcoPlus	2.90	TL444/M3	3.85



IP CLASS



INSTALLATION NOTES

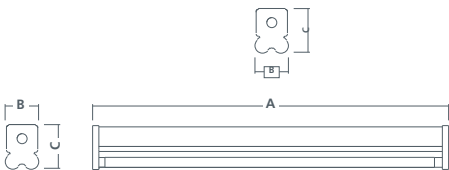
Surface mount via rear entry BESA fixings
or suspended via wire suspension kit

LAMP TYPE



DIMENSIONS (MM)

TYPE	A	B	C
1 x 28/54/44W T5	1175	50	73
1 X 35/49/80/41/66W T5 1475		50	73
2 x 28/54/44W T5	1175	53	73
2 x 35/49/80/41/66W T5	1475	53	73
2 x 44W T5 EcoPlus	2350	50	73
4 x 44W T5 EcoPlus	2350	53	73
4 x 28/54W T5	2350	53	73



OPTIONS

- (HFD) High frequency digital dimming control gear
- (HFR) 1-10V dimming control gear
- (DALI) DALI dimmable control gear

VISION LIGHTING CONTROLS

- (V205) Integral batten-fit PIR device
- (V206) Integral batten-fit PIR with photocell
- (V207) Integral batten-fit PIR with daylight dimmable photocell

TO SPECIFY

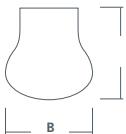
T5 fluorescent batten as per Tam-
lite 'MICRO T5' range

MICRO T5 ACCESSORIES

- + White epoxy powder-coated steel reflectors and wire guards (T5UR and T5WG, respectively)
- + Highly polished aluminium reflector (T5UR/HP and T5ASY)
- + Clear or opal reeded polycarbonate diffuser (T5PD and T5OD)
- + Perforated white epoxy powder-coated steel reflector (T5PR)

CLEAR REEDED POLYCARBONATE DIFFUSER

Order Code	Description	Weight (kg)	Length B	C	
T5PD 2	2ft diffuser (for 14/24W lamps)	0.28	575	80	90
T5PD 3	3ft diffuser (for 21/39W lamps)	0.40	875	80	90
T5PD 4	4ft diffuser (for 28/54W lamps)	0.52	1175	80	90
T5PD 5	5ft diffuser (for 35/49/80W lamps)	0.64	1475	80	90



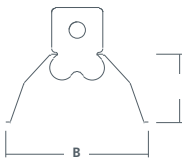
OPAL REEDED POLYCARBONATE DIFFUSER

Order Code	Description	Weight (kg)	Length B	C	
T5OD 2	2ft diffuser (for 14/24W lamps)	0.28	575	80	90
T5OD 3	3ft diffuser (for 21/39W lamps)	0.40	875	80	90
T5OD 4	4ft diffuser (for 28/54W lamps)	0.52	1175	80	90
T5OD 5	5ft diffuser (for 35/49/80W lamps)	0.64	1475	80	90



WHITE STEEL REFLECTOR

Order Code	Description	Weight (kg)	Length B	C	
T5UR2	2ft T5 universal reflector	0.50	548	122	58
T5UR3	3ft T5 universal reflector	0.77	848	122	58
T5UR4	4ft T5 universal reflector	1.05	1148	122	58
T5UR5	5ft T5 universal reflector	1.32	1448	122	58



SUSPENSION KIT

Order Code	Description	Weight (kg)
T5SUSP2	3000mm adjustable wire suspension kit	0.10

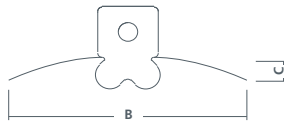
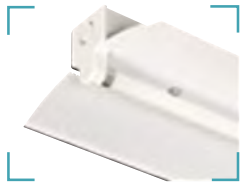
HIGHLY POLISHED ASYMMETRIC REFLECTOR

Order Code	Description	Weight (kg)	Length B	C
T5ASY2	2ft T5 asymmetric reflector	0.04	548	70138
T5ASY3	3ft T5 asymmetric reflector	0.07	848	70138
T5ASY4	4ft T5 asymmetric reflector	0.09	1148	70138
T5ASY5	5ft T5 asymmetric reflector	0.12	1448	70 138



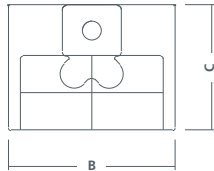
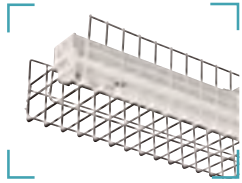
WHITE STEEL PERFORATED REFLECTOR

Order Code	Description	Weight (kg)	Length B	C
T5PR4	4ft T5 perforated reflector	0.70	1180	118 20
T5PR5	5ft T5 perforated reflector	0.90	1480	118 20



WIRE GUARDS

Order Code	Description	Weight (kg)	Length B	C
T5WG 4	4ft wire guard	1.00	1207	140 105
T5WG 5	5ft wire guard	1.20	1512	140 105



MICRO LED

High performance LED batten for energy efficient industrial and retail installations - The modern alternative to the traditional fluorescent batten

ENERGY EFFICIENT

The traditional batten enters the modern age with the introduction of the MICRO LED, a purpose designed, high quality LED batten with a high efficacy that delivers significant energy savings compared to conventional fluorescent battens. As the need for greater efficiencies and more rigorous performances are set to increase, it is vital that the latest lighting solutions can stay ahead of these demands. TamLite Lighting have developed key partnerships with the world's major component suppliers to ensure the MICRO LED range continues to provide the very best performance.

LIGHT SOURCE

The TamLite Lighting MICRO LED range uses the latest PHILIPS FORTIMO LEDLINE LED modules with the benefit of high efficacy and long-life, to provide value and performance. Standard supply is with PHILIPS FORTIMO LEDLINE with a CCT of 4000K using the Philips XITANIUM branded driver.

CONTROL GEAR

The PHILIPS range of XITANIUM drivers provides the ideal match for use with the MICRO LED and the range of PHILIPS FORTIMO LEDLINE modules. Standard supply is with fixed output drivers, with 1-10V or DALI available for dimming options.

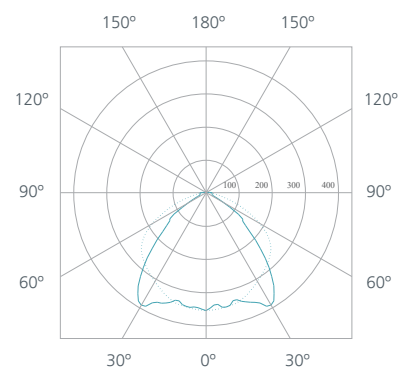
OPTICS

TamLite Lighting's in-house design team have developed bespoke, high-performance optics in both narrow (35°) and wide (80°) beams allowing precise optical control of the light distribution thus maximising the benefits from the energy-efficient LED.

EASE OF INSTALLATION

The unique 'Clip-n-Fix' system allows for a simple-to-fit installation with push wire terminal connections. A range of mounting options from BESA mount or wire suspension and continuous run options are available.

CHOICE OF 2 DISTRIBUTIONS MULTIPLE LUMEN OUTPUT OPTIONS EMERGENCY, DIMMABLE AND DALI CHOICES



Order code Lamps LOR Efficacy UGR
MLED4350 LED Modules 0.84 101 lm/W <25 (Polar curves - cd/1000lms)

1. **PHILIPS** high efficiency LED modules for optimum performance (>90 lm/W), 50,000 hours L70/B50
2. Extruded aluminium body provides efficient thermal control
3. Simple-to-fit installation 'clip-n-fix' mounting system with push wire terminal connections
4. High quality, branded integrated LED driver
5. Sensor options to optimise efficacy with presence detection and daylight dimming choices
6. High efficacy bespoke optical diffusers in two beam types allows for more precise control of light distribution without glare

MICRO LED



- + High performance LED batten with a choice of wide or narrow beam distributions
- + Supplied with high efficiency LED modules for optimum performance (>90 lm/W)
- + Continuous connection accessory available for full linear system applications
- + Ideal for retail and industrial applications
- + Long life - 50,000 hours (L70/B50)

- + Supplied with Philips Fortimo LED SMD modules in neutral white (4000K) or warm white LED (3000K)
- + High quality CRI >80
- + Extruded aluminium body finished in white (RAL 9010)
- + Pressed steel spine with ‘clip n fix’
- + Integral LED driver
- + Rear BESA fixings and cable entry



HIGH PERFORMANCE LED BATTEN

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficiency (lm/W)	Weight (kg)	Emergency Code	Weight (kg)
MLED4250	LED SMD modules	2500	29	86	3.60	MLED4250/M3	4.30
MLED4350	LED SMD modules	3500	33	106	3.60	MLED4350/M3	4.30
MLED4500	LED SMD modules	5000	61	82	3.60	MLED4500/M3	4.30
MLED4700	LED SMD modules	7000	74	95	3.60	MLED4700/M3	4.30
MLED5300	LED SMD modules	3000	33	91	4.20	MLED5300/M3	4.90
MLED5450	LED SMD modules	4500	47	96	4.20	MLED5450/M3	4.90
MLED5700	LED SMD modules	7000	76	92	4.20	MLED5700/M3	4.90
MLED5850	LED SMD modules	8500	93	91	4.20	MLED5850/M3	4.90
MLED5950	LED SMD modules	9500	104	97	4.20	MLED5950/M3	4.90

ACCESSORIES

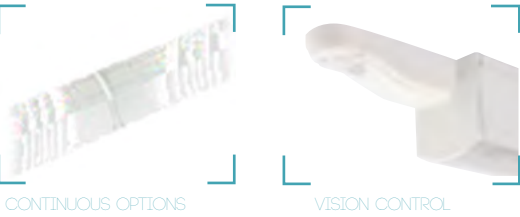
- T5SUSP2 2.0 metres wire suspension kit
- MLED(LINKCONNECTOR) Straight connector

IP CLASS

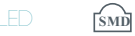


INSTALLATION NOTES

Surface mount via rear entry BESA fixings
or suspended via 2.0 metres wire suspension kit



LAMP TYPE



DIMENSIONS (MM)

TYPE	A	B	C
MLED4	1135	62	75
MLED5	1414	62	75



OPTIONS

- (HFR) 1-10V dimming control gear
- (DALI) DALI dimmable control gear
- (WW) Warm white LED (3000K)
- (NW) Neutral white LED (4000K)
- (NC) Narrow beam (35°) clear lens
- (WC) Wide beam (80°) clear lens

VISION LIGHTING CONTROLS

- (V205) Integral batten-fit PIR device
- (V206) Integral batten-fit PIR with photocell
- (V208) Integral batten-fit PIR with daylight dimmable photocell

TO SPECIFY

LED batten as per Tamlite ‘MICRO LED’ range

TEMPEST

- + Slimline design
- + Uses latest T5 lamp and gear technology
- + IP65 weatherproof ideal for plant rooms, factories and car parks
- + Polycarbonate body and diffuser
- + White painted steel gear tray
- + Stainless steel diffuser clips
- + 3 pole fused terminal block
- + Supplied with branded colour 840 T5 lamps

SLIMLINE WEATHERPROOF T5

Order Code	Lamps	Weight (kg)	Emergency Code	Weight (kg)
TEM28	1 x 28W T5	2.35	TEM28/M3	2.40
TEM35	1 x 35W T5	2.85	TEM35/M3	4.06
TEM49	1 x 49W T5	2.85	TEM49/M3	4.06
TEM228	2 x 28W T5	3.40	TEM228/M3	3.50
TEM235	2 x 35W T5	4.06	TEM235/M3	4.16
TEM249	2 X 49W T5	4.06	TEM249/M3	4.16

IP CLASS



INSTALLATION NOTES

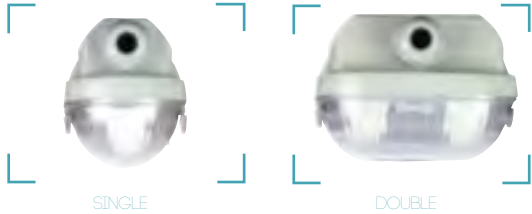
Ceiling fix via ceiling mount brackets

LAMP TYPE

T5

DIMENSIONS (MM)

TYPE	A	B	C
1 x 28W T5	1210	60	75
1 x 35/49W T5	1510	60	75
2 x 28W T5	1210	100	75
2 x 35/49W T5	1510	100	75



OPTIONS

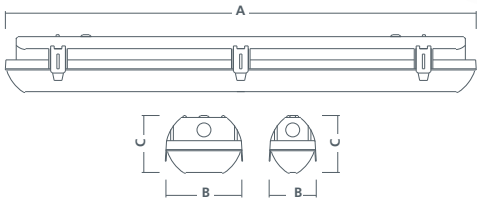
- (HFD) High frequency digital dimming control gear
- (HFR) 1-10V dimming control gear

VISION LIGHTING CONTROLS

- (V215) Integral weatherproof batten-fit PIR
- (V216) Integral weatherproof batten-fit PIR with photocell
- (V217) Integral weatherproof batten-fit PIR with daylight dimmable photocell

TO SPECIFY

Slimline T5 fluorescent weatherproof Luminaire as per Tam-lite 'TEMPEST' range supplied with lamps

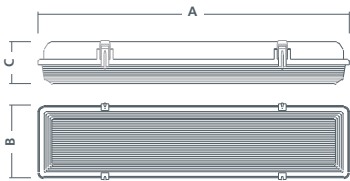


EUROWP LED



- + LED IP65 weatherproof fixture
- + Philips LED Fortimo board and driver package
- + Luminaire efficacy up to 85 lumens/Watt
- + Supplied with opal diffuser
- + 5 years warranty (L70/B50)

- + Supplied with Philips Fortimo LED SMD module in neutral white (4000K)
- + High quality CRI >80 Polycarbonate body and opal or clear diffuser
- + Stainless steel fixing clips
- + LED SMD modules with integral driver
- + 20 millimetres cable entry glands



LAMP TYPE

LED



DIMENSIONS (mm)

Type	A	B	C
21/35W	1268	100	101
44/	1568	100	101
70W	1268	158	101
87W	1568	158	101

INSTALLATION NOTES

Ceiling fix via suspension points or ceiling mount brackets



IP/CLASS



OPTIONS

- /HFD High frequency digital dimming control gear
- /HFR 1-10V dimming control gear

VISION LIGHTING CONTROLS

- /V25 Integral weatherproof batten-fit PIR
- /V26 Integral weatherproof batten-fit PIR with photocell
- /V27 Integral weatherproof batten-fit PIR with daylight dimmable photocell

TO SPECIFY

LED weatherproof Luminaire as per Tam-lite 'EUROWP-LED' range



WEATHERPROOF LED LUMINAIRE - OPAL DIFFUSER

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)	Emergency Code	Weight (kg)
EWPL1415 LED SMD MODULES		1500	21	72	2.20	EWPL1415/M3	2.90
EWPL1430 LED SMD MODULES		3000	35	86	2.20	EWPL1430/M3	3.60
EWPL2460 LED SMD MODULES		6000	70	86	2.90	EWPL2460/M3	3.30
EWPL1537 LED SMD MODULES		3700	44	85	2.60	EWPL1537/M3	4.00
EWPL2574 LED SMD MODULES		7400	87	85	3.55	EWPL2574/M3	4.95

HI LED

- + High quality LED package and driver
- + Large LED array reduces glare
- + High lumen output for up to 8 metres mounting heights
- + High performance reflector
- + Cast aluminium control gear housing
- + Toggle clip for easy access to housing
- + Heavy duty suspension hook and safety wire



HIGH OUTPUT LED HIGH BAY

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
EXP150H	SMD LED Module	8500	150	57	10.00
EXP200H	SMD LED Module	11300	201	56	9.00
EXP300H	SMD LED Module	16500	315	52	10.00

IP/CLASS

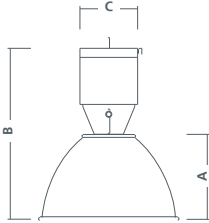


LAMP TYPE

LED 

DIMENSIONS (mm)

A	B
325	105



TO SPECIFY

LED high bay as per
Tamlite 'HI LED' range

ACCENT

DISCHARGE

DOWNLIGHTS

SPOTLIGHTS

LED SPOTLIGHTS

TRACK SPOTLIGHTS

TRACK

HURRICANE HALO

- + Stylish bulkhead range with side light
- + Available in 2 body colour options
- + 3 versions: ring, cowl and framed
- + Available with compact fluorescent or LED lamps
- + Integral emergency option

- + LED versions supplied with neutral white (4000K) LED
- + High CRI >80
- + Die-cast aluminium body
- + Tamper proof fixing screws
- + Opal polycarbonate diffuser

CIRCULAR CAST BULKHEAD

Order Code	Type	Lamps	Weight (kg)	Emergency Code	Weight (kg)
HH226R/HF	Ring	2 x 26W PL-C	3.05	HH226R/HR/M3	2.97
HH28R/HF	Ring	1 x 28W 2D	2.35	HH28R/HR/M3	2.69
HH226C/HF	Cowl	2 x 26W PL-C	3.05	HH226C/HC/M3	2.97
HH28C/HF	Cowl	1 x 28W 2D	2.35	HH28C/HC/M3	2.69
HH226F/HF	Framed	2 x 26W PL-C	3.05	HH226F/HF/M3	2.97
HH28F/HF	Framed	1 x 28W 2D	2.35	HH28F/HF/M3	2.69

LED CIRCULAR CAST BULKHEAD

Order Code	Type	Lamps	Lumen Output (lm)	total Power (W)	Efficacy (lm/W)	Weight (kg)	Emergency Code	Weight (kg)
HH17/LED/R	Ring	LED SMD Module	700	18	38	2.20	HH17/LED/R/M3	2.70
HH17/LED/C	Cowl	LED SMD Module	450	18	25	2.20	HH17/LED/C/M3	2.70
HH17/LED/F	Framed	LED SMD Module	550	18	31	2.20	HH17/LED/F/M3	2.70

IP CLASS



INSTALLATION NOTES

Surface mount via rear fixing holes

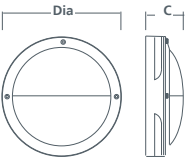


LAMP TYPE



DIMENSIONS (MM)

C	Dia
125	325



OPTIONS

- (HFS) Integral microwave sensor
- (HFS-D) Integral dimmable microwave sensor
- (B) Black
- (S) Silver grey

TO SPECIFY

Decorative exterior bulkheads per Tam-lite 'Hurricane Halo' range.

GXLH

- + Modern, high performance floodlight
- + Ideal for sports ground installations
- + Symmetric reflector as standard
- + Maximum projected area = 0.16m²

- + Die-cast aluminium housing finished in grey RAL 9006
- + Extruded anodized aluminium closing clips with stainless steel spring
- + Stainless steel external screws
- + IP68 M20 x 1.5 metres anti-tearing cable gland
- + Hinged toughened glass
- + Available with Venture Eco lamps, see page 186 for further details

LARGE AREA FLOODLIGHT

Order Code	Lamps	Weight (kg)
GXLH150S	1 x 150W SON/T	9.80
GXLH250S	1 x 250W SON/T	11.10
GXLH400S	1 x 400W SON/T	12.40
GXLH250HPI	1 x 250W HPI/T	9.30
GXLH400HPI	1 x 400W HPI/T	10.80
GXLH200HPI/XL	1 x 200W ECOMBI	9.30
GXLH320HPI/XL	1 x 320W ECOMBI	10.80



ACCESSORIES

- GXLHWG Wire guard
- GXLHHOOD Light hood

IPCLASS



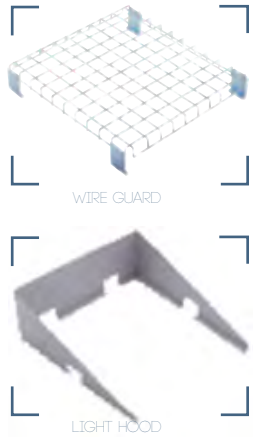
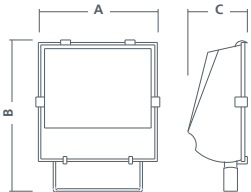
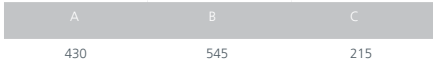
INSTALLATION NOTES

Wall or ceiling mount via 20mm rear entry holes

LAMP TYPE

- SON(T
- ECO(HID
- HPI(T

DIMENSIONS (MM)



OPTIONS

- (C) Circular reflector (special order only)
- (A) Asymmetric reflector
- (PC) Photocell

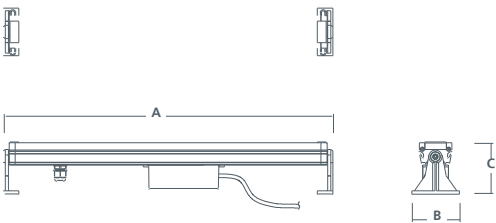
TO SPECIFY

Die-cast, high performance floodlight for use with high wattage discharge lamps as per Tamlite 'GXLH' range

2020 LFL

- + Professional linear floodlight for building facade illumination
- + Fully adjustable for flexible installation
- + Supplied with mounting brackets and cable glands
- + RGB colour change version also available
- + 20° beam angle for precise beam control

- + Available in warm white (3000K) or cool white (5000K)
- + High CRI >80
- + Extruded aluminium body with grey finish
- + 3 millimetre tempered glass with semi-frosted finish
- + Supplied with 0.5 metre H05RN 3-core, 1.0 millimetre² cables and PG-9 PVC cable gland



LAMP TYPE

LED



DIMENSIONS (MM)

Type	A	B	C
25W	500	78	86
56W	1000	78	86

IP CLASS



INSTALLATION NOTES

Surface mount via die-cast aluminium bracket

OPTIONS

- (WW) Warm white LED (3000K)
- (CW) Cool white LED (5000K)

TO SPECIFY

LED wall washer floodlight as per
Tamlite '2020 LFL' range

HIGH PERFORMANCE LINEAR LED FLOODLIGHT

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TA2020LFL25	LED COB Module	1500	25	60	2.05
TA2020LFL56	LED COB Module	2900	56	52	3.70

2020 SL

- + High performance LED spotlight for architectural and building illumination
- + Narrow 6° beam for accurate spotlighting
- + High quality build and specification for exterior, fit-and-forget installations

- + Available in cool white (5000K)
- + High CRI >80
- + Die-cast aluminium body finished in grey
- + Die-cast aluminium stirrup bracket
- + 4 millimetre tempered glass
- + Supplied with 2 x 2.0 metres H05RN 2-core, 1.0 millimetre² cables and PG-9 PVC cable gland

IP CLASS



HIGH OUTPUT EXTERIOR LED SPOTLIGHT

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TA2020SL12 LED COB Module		889	12	74	1.80
TA2020SL24 LED COB Module		1750	24	73	2.20

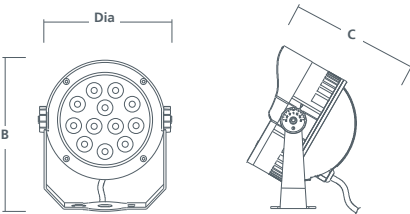
INSTALLATION NOTES

Surface mount via die-cast aluminium bracket



LAMP TYPE

LED



DIMENSIONS (MM)

Type	Dia	B
12W 151		193
145		
24W 177		217
146		

TO SPECIFY

LED Spotlight as per
Tamlite '2020 SL' range

2020 GL

- + High output ground light for architectural applications
- + High quality build for fit-and-forget installations
- + Maximum load at 30 mph of 1840 kilogram
- + Supplied with 24° reflector

- + Available in cool white (5000K)
- + High CRI >80
- + Die-cast aluminium body
- + PVC mounting sleeve
- + Integral LED driver
- + Supplied with 0.5 metre pre-wired 3 x 1.0 millimetre² H05RN flex and PG-9 cable glands
- + Stainless steel trim (SUS 316L)



HIGH OUTPUT EXTERIOR IN(GROUND UPLIGHT

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TA2020GL13	LED COB Module	550	13	42	2.60
TA2020GL19	LED COB Module	1000	19	53	2.60
TA2020GL32	LED COB Module	1500	32	47	2.60

IP(CLASS



INSTALLATION NOTES

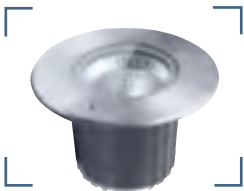
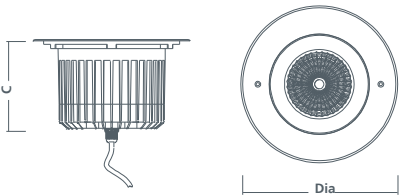
Recessed into PVC mounting sleeve,
fixed with stainless steel screws

LAMP TYPE

LED

DIMENSIONS (MM)

Type	C	Dia
13W	142	173
19W	158	210
32W	176	250



TO SPECIFY

LED Ground light as per
Tamlite '2020 GL' range

2020 LGL

- + Professional linear ground light for building illumination
- + Choice of symmetric or asymmetric distribution
- + Supplied with mounting box and cable glands
- + RGB colour change version also available
- + High quality build and specification for exterior fit-and-forget installations

- + Available in cool white (5000K)
- + High CRI >80
- + Stainless steel trim (SUS 316L)
- + PVC mounting sleeve
- + Die-cast aluminium body
- + 8 millimetres tempered glass
- + Supplied with 0.5 metre H05RN 3-core, 1.0 millimetre² cables and PG-9 PVC cable gland



HIGH PERFORMANCE LINEAR LED GROUND LIGHT

Order Code	Beam Type	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TA2020LGL12	Symmetrical	LED COB Module	875	12	73	0.85
TA2020GLA12	Asymmetrical	LED COB Module	875	12	73	1.50

IP CLASS



INSTALLATION NOTES

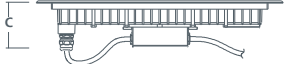
Recessed into PVC mounting sleeve, fixed with stainless steel screws

LAMP TYPE



DIMENSIONS (MM)

A	B	C
328	63	65



TO SPECIFY
LED wall washer/uplight as per
Tamlite '2020 LGL' range

UNIVERSITY OF EDINBURGH

The exterior of the University of Edinburgh's King's Buildings was previously lit by outdated and inefficient SON lamps. LED Road Lanterns from TamLite were chosen to replace them, in an installation part-funded by government-backed Salix financing. The results were better light quality, a lower maintenance

burden, reduced energy consumption and CO₂ emissions cuts in line with university targets.

OAK

- + Particularly suited to both commercial and domestic applications
- + Slim stainless steel bevelled trim
- + Narrow beam distribution
- + Available in square or circular design
- + Maximum load 500 kilogram static
- + Available in cool white (5000K)
- + High CRI >80
- + Finished in stainless steel (4 millimetres thick, SUS 304)
- + Supplied with integral 12V driver
- + Hexagonal screw heads
- + 8 millimetres tempered glass



HIGH OUTPUT LED GROUND LIGHT

Order Code	Shape	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TE-GOSQ1	Square	LED COB modules	350	6	58	1.40
TE-GOSC1	Circular	LED COB modules	350	6	58	1.23

IP CLASS



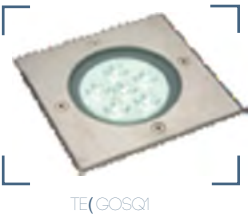
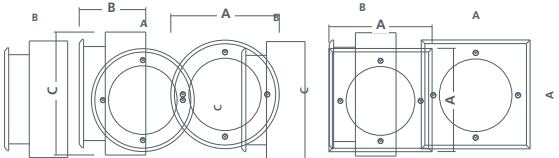
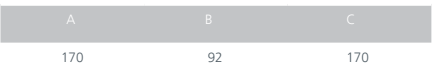
INSTALLATION NOTES

Recessed into PVC mounting sleeve, fixed with stainless steel screws

LAMP TYPE



DIMENSIONS (MM)



TO SPECIFY
Professional high output LED ground light as per Tamlite 'OAK' range

TIERRA

- + Decorative LED bollard
 - + Matching halo style bulkhead
 - + High output LED module and integral driver
 - + Ideal for walkway and pedestrian areas
-
- + Supplied with LED SMD module in neutral white (4000K)
 - + Die-cast aluminium body and bracket
 - + Frosted polycarbonate diffuser
 - + Powder-coated in satin black

DECORATIVE LED BOLLARD

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TRB15	LED SMD modules	350	13	27	5.20

DECORATIVE LED BULKHEAD

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TRBH15	LED SMD modules	350	13	27	5.20

IP CLASS



INSTALLATION NOTES

Surface mount via floor or wall bracket

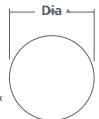
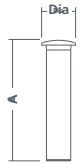


LAMP TYPE

LED

DIMENSIONS (MM)

Type	A	Dia
Bollard	1000	210
Bulkhead	70	210



FOR PRODUCT LITERATURE USE ONLY
Created: 2020/04/14
Author: J. Smith
Subject: TIERRA Lighting
Item (BLOCK STYLE)
Description: Product literature use only
THIS NOTE SHOULD TO
APPEAR ON ALL DRAWINGS
Drawing should be made to
area
For rectangular products specify:
A = Length
B = Width
C = Height
For circular products use
Dia = Diameter
Colour = Colour Name
If necessary specify finish:
Finish = Finish Name
Coatings = Coating Name

TO SPECIFY
LED bollard/LED circular
bulkhead as per TamLite
'TIERRA' range

SLATE

- + Available in 2 different styles
- + Particularly suited to both commercial and domestic applications
- + High output LEDs
- + Supplied with integral 12V driver

- + Available in cool white (5000K)
- + High CRI >80
- + Finished in modern grey colour
- + Die-cast aluminium body



TE-WST1



TE-WST2

HIGH OUTPUT LED WALL LIGHT

Order Code	Lamps	Lumen Output (lm)	Total Power (W)	Efficacy (lm/W)	Weight (kg)
TE-WST1	LED COB modules	350	6	58	1.22
TE-WST2	LED COB modules	700	12	58	1.67

IP/CLASS



INSTALLATION NOTES

Wall mounted via fixing screws

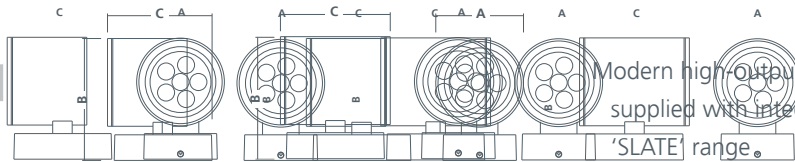
LAMP TYPE

LED



DIMENSIONS (mm)

TYPE	A	B	C
1 x 6W LED	110	150	126
2 x 6W LED	110	150	134



TO SPECIFY
Modern high output wall mounted LED fitting supplied with integral driver as per Tam-lite 'SLATE' range.

MERCURY

- + Modern stylish road lantern for car parks or exclusive urban areas
- + High quality aluminium reflector provides full cut-off distribution thereby reducing upward light output
- + Fully adjustable hinge allows up to 0-30° inclination
- + Protective front glass is hinged via one fixing clip

- + Body and cover in die-cast aluminium
- + High purity aluminium reflector, anodised and polished
- + Finished in RAL 7039
- + Silicone rubber anti-ageing gaskets
- + Available with Venture Eco lamps, see page 186 for further details

MODERN ARCHITECTURAL ROAD LANTERN

Order Code	Lamps	Weight (kg)
TMC250S	1 x 250W SON/T	10.90
TMC250HPI	1 x 250W HPI/T	10.90
TMC400HPI	1 x 400W HPI/T	12.80
TMC200HPI/XL	1 x 200W ECOMBI	12.80
TMC320HPI/XL	1 x 320W ECOMBI	12.80



IP/CLASS



INSTALLATION NOTES

Side or top entry (100-150W) 42-60mm
Side or top entry (200-400W) 60-76mm

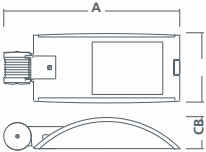
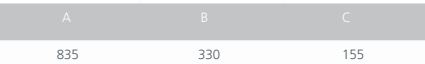
LAMP TYPE

SON/T

ECO-HID

HPI/T

DIMENSIONS (mm)



TO SPECIFY

Modern road lantern for use with discharge lamps as per TamLite ‘MERCURY’ range supplied with lamp and gear

EXPLORER RL

- + High quality CREE XP-E LED chip package
 - + Luminaire efficacy up to 77 lumens/circuit Watt
 - + 5 years warranty (L70/B50)
 - + Suitable for post top or side entry mounting
-
- + Supplied with CREE COB LED module in neutral white (4000K)
 - + High CRI >80
 - + Die-cast aluminium body
 - + 4 millimetres thick toughened glass
 - + Finished in RAL 9023 and 7040
 - + Maximum windage: small body 0.15 metre, large body 0.25 metre

HIGH PERFORMANCE LED LANTERN

Order Code	Lamps	Lumen Output (lm)	Power (W)	Efficacy (lm/w)	Height (m)
EXPRL102	LED COB Module	2200	30	73	5.60
EXPRL103	LED COB Module	3000	40	75	5.60
EXPRL105	LED COB Module	5000	66	76	5.90
EXPRL207	LED COB Module	7400	96	77	10.60
EXPRL208	LED COB Module	8900	115	77	10.90
EXPRL210	LED COB Module	10100	135	75	10.90

IP/CLASS



INSTALLATION NOTES

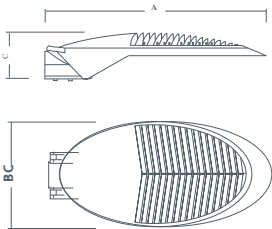
- Side or top entry (30-66W) 48-60mm
- Side or top entry (96-135W) 60-76mm

LAMP TYPE



DIMENSIONS (mm)

TYPE	A	B	C
30/40/66W	644	303	132
96/115/135W	864	375	168



TO SPECIFY
LED road lantern as per
TamLite 'EXPLORER RL' range

ACCENT

DISCHARGE

DOWNLIGHTS

SPOTLIGHTS

LED SPOTLIGHTS

TRACK SPOTLIGHTS

TRACK

BROADWAY

- + High specification emergency bulkhead
- + Improved photometric performance allows optimal luminaire spacings
- + Ideal for corridor or escape route lighting
- + Polycarbonate white body
- + High performance polycarbonate Fresnel lens
- + Quality Nickel Cadmium (NiCad) batteries for full 3 hours emergency discharge duration
- + Supplied with quality branded lamp
- + Cable entry at either end for through wiring



ACCESSORIES

- EUROGUARD Wire guard
- BRY8(BZ KIT) Semi-recessing kit
- BRY(EURO1) Running man, right arrow self adhesive legend
- BRY(EURO2) Running man, left arrow self adhesive legend
- BRY(EURO3) Running man, down arrow self adhesive legend

IP(CLASS



INSTALLATION NOTES

Wall or ceiling fix via rear-mounted fixing and cable entry

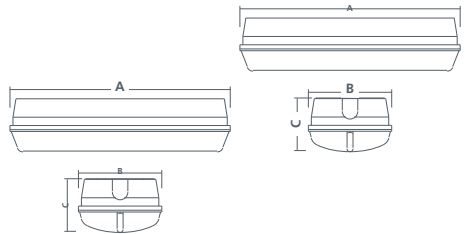
LAMP TYPE

T5

PL(S)

DIMENSIONS (MM)

A	B	C
380	140	90



OPTIONS

- (TS) Emergency test switch
- (CS) Cold store version suitable for -20°C

EMERGENCY
SELF TEST AVAILABLE



TO SPECIFY

High performance emergency bulkhead as per TamLite 'BROADWAY' range

HIGH PERFORMANCE EMERGENCY BULKHEAD

Order Code	Lamps	Mode	Weight (kg)
BRY8NM3	1 x 8W T5	Non-maintained	1.29
BRY8M3	1 x 8W T5	Maintained	1.65
BRY11NM3	1 x 11W PL-S	Non-maintained	1.70
BRY11M3	1 x 11W PL-S	Maintained	2.05

WINDSOR

- + Modern fully flush design
- + Provides a smooth, clutter-free ceiling installation
- + High quality components throughout
- + Slave options for central battery system

- + Robust white metal body
- + Polycarbonate prismatic 850°C diffuser for use on all escape routes (opal option available)
- + Hinged gear tray with threaded bush allows for ease of installation
- + Supplied with quality branded lamp



ACCESSORIES

- WIN(EURO1 Running man, right arrow self adhesive legend
- WIN(EURO2 Running man, left arrow self adhesive legend
- WIN(EURO3 Running man, down arrow self adhesive legend

RECESSED EMERGENCY BULKHEAD

Order Code	Lamps	Mode	Weight (kg)
WIN8NM3	1 x 8W T5	Non-maintained	2.05
WIN8M3	1 x 8W T5	Maintained	2.43
WIN8S3	2 x 8W T5	Sustained	2.46
WIN11PNM3	1 x 11W PL-S	Non-maintained	2.30
WIN11PM3	1 x 11W PL-S	Maintained	2.60

IP(CLASS



INSTALLATION NOTES

Recessed fix via mounted bracket (supplied)

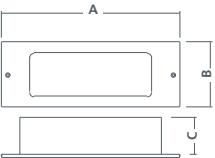
LAMP TYPE

T5

PL(S)

DIMENSIONS (MM)

A	B	C	Cut Out
412	150	85	382 x 178



OPTIONS

- (PB Polished brass
- (PC Polished chrome
- (O Opal diffuser
- (HF High frequency control gear
- (110 110V AC control gear
- (230 230V mains non-emergency version
- (SL230 230V slave version
- (FTB Fused mains terminal block

EMERGENCY

SELF TEST AVAILABLE



TO SPECIFY

Recessed flush emergency bulkhead
as per Tamlite 'WINDSOR' range

ELITE

- + Modern architectural emergency sign
 - + Complimentary droplight version available
 - + Suitable for high visibility areas
 - + Available in T5 fluorescent or LED options
-
- + Polycarbonate body housing
 - + High frequency control gear as standard
 - + Quality Nickel Cadmium (NiCad) batteries for full 3 hours emergency discharge duration
 - + Supplied with quality branded lamp

DESIGNER EMERGENCY BULKHEAD

Order Code	Lamps	Mode	Weight (kg)
ELX8NM3/SC	1 x 8W T5	Non-maintained	2.80
ELX8M3/SC	1 x 8W T5	Maintained	2.95

DESIGNER LED EMERGENCY BULKHEAD

Order Code	Lamps	Mode	Weight (kg)
ELXLDM3/SC	LED COB Module	Maintained or non-maintained 1-90	



ACCESSORIES

Legend must be specified and ordered separately

- EL(EURO1 Running man, right arrow legend
- EL(EURO2 Running man, left arrow legend
- EL(EURO3 Running man, down arrow legend
- EL(EURO4 Running man, up arrow legend

NOTE Legends supplied with satin silver bezel

IP(CLASS



INSTALLATION NOTES

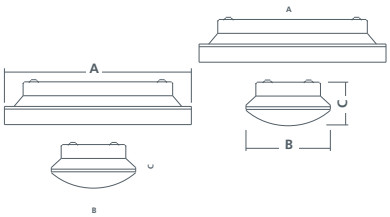
Wall fix via rear-mounted fixing and cable entry

LAMP TYPE



DIMENSIONS (MM)

A	B	C
355	167	78



OPTIONS

- (W White
- (SB Satin brass



TO SPECIFY

8W emergency bulkhead/exit sign
as per Tamlite 'ELITE' range

ELITE DL

- + Designer style droplight
- + Modern stylish profile
- + Range of legends available
- + Available in T5 fluorescent or LED options

- + Steel housing and gear tray
- + Polycarbonate drop panel with legend
- + Quality Nickel Cadmium (NiCad) batteries for full 3 hours emergency discharge duration
- + Supplied with quality branded lamp

DESIGNER EMERGENCY DROPLIGHT

Order Code	Lamps	Mode	Weight (kg)
ELXDL8NM3	1 x 8W T5	Non-maintained	3.10
ELXDL8M3	1 x 8W T5	Maintained	3.25

DESIGNER LED EMERGENCY DROPLIGHT

Order Code	Lamps	Mode	Weight (kg)
ELXDLEDM3/SC	LED COB Module	Non-maintained or maintained	2.20

ACCESSORIES

- ELXDL(EURO1) Running man, left/right arrow double sided legend
- ELXDL(EURO3) Running man, down arrow double sided legend
- ELXDL(EURO4) Running man, up arrow double sided legend

IP CLASS



INSTALLATION NOTES

Ceiling fix via top-mounted fixing and cable entry

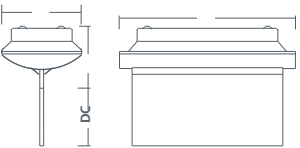


LAMP TYPE

- T5
- LED

DIMENSIONS (MM)

A	B	C	D
355	167	78	171



OPTIONS

- (W) White
- (SB) Satin brass
- (HF) High frequency control gear
- (TS) Emergency test switch

TO SPECIFY

Emergency droplight as per Tam-lite 'ELITE DL' range

EXIS LED SURFACE

- + Modern LED droplight
- + Surface mounting
- + Long life (typically 50,000 hours)
LED lamps for low life maintenance costs
- + 3 years warranty

- + Supplied with 8x1W LED SMD modules
- + RAL 9006 painted metal body
- + Supplied with choice of legend



ACCESSORIES

- EXIS1 Running man, left/right arrow double sided legend
- EXIS3 Running man, down arrow double sided legend
- EXIS4 Running man, up arrow double sided legend

IP CLASS



INSTALLATION NOTES

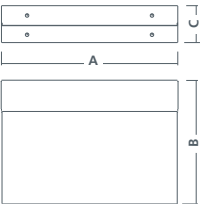
Ceiling fix via top-mounted fixing and cable entry

LAMP TYPE

LED 

DIMENSIONS (MM)

A	B	C
303	213	44



OPTIONS

EMERGENCY
SELF TEST AVAILABLE 

TO SPECIFY
Surface Emergency droplight
per TamLite 'EXIS' range

EMERGENCY

159

SURFACE LED EMERGENCY DROPLIGHT

Order Code	Lamps	Mode	Weight (kg)
SDLEDM3	LED SMD Module	Maintained	1.50

158

EMERGENCY

EXIS LED RECESSED

- + Modern LED droplight
- + Recessed mounting
- + Long life (typically 50,000 hours) LED lamps for low life maintenance costs
- + Supplied with 8x1W LED SMD modules
- + RAL 9006 painted metal body
- + Supplied with choice of legend



ACCESSORIES

- EXIS1 Running man, left/right arrow double sided legend
- EXIS3 Running man, down arrow double sided legend
- EXIS4 Running man, up arrow double sided legend

IP CLASS

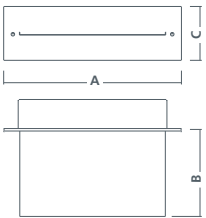


LAMP TYPE

LED 

DIMENSIONS (MM)

A	B	C	Cut Out
360	170	70	336 x 50



OPTIONS

EMERGENCY
SELF TEST AVAILABLE 

TO SPECIFY

Recessed emergency droplight as per Tam-lite 'EXIS' range

RECESSED LED EMERGENCY DROPLIGHT

Order Code	Lamps	Mode	Weight (kg)
RDILLEDM3	LED SMD Module	Maintained	1.50



VISION LIGHTING CONTROLS

The VISION range of lighting control products from Tam-lite, are designed to provide a flexible yet simple solution, so our customers can benefit from the latest energy saving technology.

The products are based around 4 main system types and all offer a reliable, professional and easy to install solution. Furthermore, all the products are supported by our Field Sales team and Technical department who can provide advice on custom-made solutions for every application.

One of the biggest issues for those involved in the design of new buildings or the maintenance of existing ones, is energy efficiency. The efficient management of the Earth's resources now influences many key decisions in public and commercial environments.

Lighting accounts for approximately 16% of the UK's total electricity consumption and in commercial office installations it can represent half of all energy use. With this in mind Tam-lite Lighting can offer a wide range of products and services that reduce these costs by up to 60%. Many of our products also help designers and installers comply with the latest building regulations.



VISION 100

Stand-alone Control Devices



VISION 200

Integrated Devices



VISION 300

Professional Control Systems

VISION 100

STAND ALONE (PIR)

VISION 100 Recessed remote PIR



Features

- Ceiling mounted PIR
- Switches a 6A load
- Ideal for offices up to 3 meters in height
- 6 metres diameter detection pattern
- Flush fix for modular ceiling grid
- 20 minutes off delay

Options

- /PB Plasterboard version (64mm)
- /S Surface version (100mm dia.)

Order code	Dia (mm)	Height (mm)	Cut out (mm)
V100	65	115	50

VISION 101 Recessed remote PIR



Features

- Ceiling mounted PIR
- Switches a 6A load
- Ideal for offices up to 3 metres in height
- 6 metres diameter detection pattern
- Flush fix for modular ceiling grid
- Passive photocell holds light off in bright conditions
- 20 minutes off delay

Options

- /PB Plasterboard version (89mm cut-out)
- /S Surface version (100mm dia.)

Order code	Dia (mm)	Height (mm)	Cut out (mm)
V101	65	115	50

Note: Integral versions of these products can be pre-fitted to Tam-lite Hilux HX range - See from page 100 for further details.

VISION 102 Recessed remote PIR/PC



Features

- Ceiling mounted PIR with photocell
- Active photocell switches lights off in occupied areas
- Switches a 6A load
- 6 metres diameter detection pattern
- Adjustable time delay
- Flush fix for modular ceiling grid
- Active photocell switches lights off in occupied areas when sufficient ambient light detected

Options

- /PB Plasterboard version (64mm)
- /S Surface version (100mm dia.)
- /HB High bay version

Accessories

V100/HR Hand held programmer

Order code	Dia (mm)	Height (mm)	Cut out (mm)
V102	65	115	50

VISION 103 Recessed remote PIR/PC Dimming device



Features

- Ceiling mounted PIR with regulating photocell
- Dims HFD luminaires (maximum of 9 ballasts)
- 6 metres diameter detection pattern
- Maintains minimum light level
- Flush fix for modular ceiling grid
- Optional hand held programmer available
- Manual input to adjust light level via wall

Options

- /PB Plasterboard version (64mm)
- /HB High bay version
- /S Surface version (100mm dia.)

Accessories

V100/HR Hand held programmer

Order code	Dia (mm)	Height (mm)	Cut out (mm)
V103	65	115	50

VISION 100

STAND ALONE (MICROWAVE)

VISION 104 Remote Microwave detector



Features

- Advanced Microwave technology provides greater sensitivity and control
- Simple presence detection only
- Up to 20 metres adjustable range
- Flush fix for modular ceiling grid
- 10-35 minutes

Options

- /PB Plasterboard version (89mm cut-out)
- /D Dimmable option daylight control with dimmable output
- /S Surface version (100mm dia.)

Order code	Dia (mm)	Height (mm)	Cut out (mm)
V104	74	60	76

VISION 105 Remote Microwave detector



Features

- Long range microwave detection
- Ideal for large offices, factories and warehouses
- Choice of 15, 30 or 60 metres range heads
- Switches a 10A load up to a 6 metre mounting height

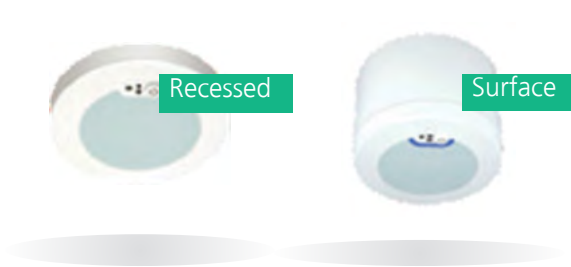
Options

- DH Extra detector head

Order code	Length (mm)	Height (mm)	Width (mm)
V105	175	145	125

Note: Please refer to LIF technical statement No. 17 when using PIR detectors with electronic ballasts and fluorescent lamps.

VISION 106 Remote Microwave dimming detector



Features

- Ceiling mounted microwave detector with regulating photocell dims HFD luminaires
- Switches a 6A load
- 7 metres diameter detection pattern
- Adjustable time delay
- Flush fix for modular ceiling grid
- Active photocell switches lights off in occupied areas when sufficient ambient light detected

Options

- /S Surface version (100mm dia.)

Accessories

- V100/HR Hand held programmer

Order code	Length (mm)	Height (mm)	Width (mm)
V106	100	72	89



VISION 200

INTEGRAL (PIR)

VISION 201 Integral PIR device



Features

- Simple PIR fits into most Tam-lite luminaires
- Factory fitted to HF option
- Ideal for offices up to 3 metres in height
- 6 metres diameter detection pattern
- Switching only
- 2 piece, factory-fitted unit with miniature detector head
- Passive photocell holds light off in bright conditions
- Adjustable up to 20 minutes off delay

Order code

Suffix HF luminaire code with **V201** e.g. **RECAL66328/V201** for 2020 EXCEL LED with detector

Options

VISOR Hand held override

VISION 202 Integral PIR/PC device



Features

- Simple PIR with photocell control
- Active photocell switches lights off in occupied areas
- 6 metres diameter detection pattern
- 2 piece device with miniature detector head
- Active photocell switches lights off in occupied areas when sufficient ambient light detected

Order code

Suffix HF luminaire code with **V202** e.g. **RECAL66328/V202** for 2020 EXCEL LED with detector

Options

VISOR Hand held override

Note: Please refer to LIF technical statement No. 17 when using PIR detectors with electronic ballasts and fluorescent lamps.

VISION 203 Integral PIR/PC dimming device



Features

- Integral mounted PIR with regulating photocell
- Versatile dimming sensor
- Dims HFD luminaires
- 6 metres diameter detection pattern
- Maintains minimum light level
- Factory fitted 2 piece unit
- Optional hand held programmer available
- Can be used to do simple scene setting or group control when used with VISPC

Order code

Suffix HF luminaire code with **V203** e.g. **RECAL66328/V203** for 2020 EXCEL LED with detector

Options

VISP Hand held programmer

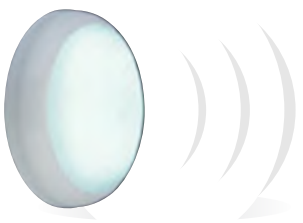
VISPSC Hand held scene recaller



VISION 200

INTEGRAL (MICROWAVE)

VISION HFS Integral Ultrasonic detector



Features

- Fixed output device provides presence detection only
- Simple one-piece unit is factory-fitted into a wide range of luminaires
- Switches on/off automatically when movement detected
- Adjustable time delay
- Adjustable detection range up to 5 metres
- Ideal for corridor and public access areas
- Can be used for wall or ceiling mounted luminaires
- Minimum 20 minutes on time
- 1 piece, factory-fitted unit
- Compatible with HF control gear

Order code

Suffix luminaire code with **HFS** e.g. **OR28/HFS** for **ORION** bulkhead with detector

VISION HFS/D Integral Ultrasonic dimmable detector



Features

- Dimmable output allows a secondary (lower) lighting level to be set
- Instead of switching off, the ballast can remain at 10, 20 or 30% output
- Ideal for corridor and public access areas where lighting is on continuously
- Provides security lighting and extends lamp life by reducing switching cycles
- Minimum 20 minutes on time
- 1 piece, factory-fitted unit
- Compatible with HFD control gear

Order code

Suffix luminaire code with **HFS/D** e.g. **EL28/HFS/D** for **NIMROD** bulkhead with detector with electronic ballasts and fluorescent lamps.

VISION HFSD/3 Integral Ultrasonic detector



Features

- As per HFS/D except trial switch off to zero output after 20 minutes (adjustable) or first lower level
- Allows security level followed by complete switch off for corridors

Order code

Suffix luminaire code with **HFSD/3** e.g. **EL28/HFSD/3** for **ELEGANCE** bulk-head with detector

VISION HFSDC Integral Ultrasonic dimmable detector



Features

- Dimmable output allows a secondary (lower) lighting level to be set
- Instead of switching off, the ballast can remain at 10, 20 or 30% output
- Ideal for corridor and public access areas where lighting is on continuously
- Provides security lighting and extends lamp life by reducing switching cycles
- Minimum 20 minutes on time
- 1 piece, factory-fitted unit
- Compatible with HFD control gear

Order code

Suffix luminaire code with **HFSDC** e.g. **NCF258/HFSDC** for **CYCLONE** weatherproof luminaire with detector

VISION 200

BATTEN(FIT (PIR(

- Simple PIR fits into 20 millimetres cable knock-out of existing or new fixture
- A range of easy to fit sensors for LED and fluorescent batten fixtures
- Can be factory fitted to HF option of T5 Micro batten range
- 5 metres detection pattern at 2.8 metres mounting height
- Compatible with HF fixed output or dimmable gear
- Ideal for racking aisles or corridor areas
- Minimum 20 minutes on time
- 1 piece, factory fitted unit
- Choice of 3 models

Order code	Description	Suitable For
V205	Presence detection with passive photocell	T5 Micro batten/Micro LED - fixed output
V215	IP65 Presence detection with passive photocell	NCF Cyclone - fixed output
V206	Presence detection with active photocell	T5 Micro Batten/Micro LED - fixed output
V216	IP65 Presence detection with active photocell	NCF Cyclone - fixed output
V207	Presence detection with daylight dimming	T5 Micro batten/Micro LED dimmable
V217	IP65 Presence detection with daylight dimming	NCF Cyclone - dimmable



MICRO LED

VISION 207 Batten-fit with daylight dimming

Features

- Dimmable detector provides ultimate control
- Daylight sensor regulates output of dimmable ballasts to maintain lighting levels
- Adjustable time delay
- Works on HFD digital dimmable control gear
- Levels can be manually adjusted with hand-held controller (optional)
- Preset scene control also available via hand-held controller

Order code

Suffix luminaire code with **V207** e.g. **MLED4250/V207** for MICRO LED BATTEN with detector. For IP65 version suffix order code with **V217** e.g. **TEM28/V217** for TEMPEST with detector

Note: Please refer to LIF technical statement No. 17 when using PIR detectors with electronic ballasts and fluorescent lamps.

VISION 300

PROFESSIONAL CONTROL SYSTEMS

The introduction of a simple BUS wiring circuit into a luminaire layout that includes the TamLite VISION 300 option, opens up endless opportunities to control and manage the lighting environment like never before.

With the introduction of a scene controller, the options can be controlled in a modern and easy to install wall panel.

VISION 300/SC3 Wall mounted scene controller



Features

- For use with VISION 300 devices
- Provides local control over 3 preset scenes
- Powered via V300/BS power supply
- Dark grey panel with light grey buttons and stainless steel bezel
- Controls 1 zone when used with V300 system

Order Code

V300/SC3

VISION 300/SC6 Wall mounted 6 scene controller



Features

- For use with VISION 301/302 systems
- Individual control over each scene or group
- Daylight dimming for up to 200 luminaires
- Powered by mains voltage
- Uses a standard 2-gang sinking box to fix
- Dark grey panel with black switches and stainless steel trim

Order Code

V300/SC6

VISION 300/SC3 Touch scene controller



Features

- Advanced touch screen design
- Only for use with DALI ballasts (max 64)
- Decorative back lit effect
- 16 scenes or groups for recall
- 5.7" screen display allows scene selection or individual scene dimming
- Supplied with 24-48V/DC 10VA power supply

Order Code

V300/MSC



NETWORK BOXES & ACCESSORIES

The TamLite Lighting **NETWORK DB** range of connection boxes allows for small, medium or large commercial lighting installations with lighting controls to be installed quickly and efficiently.

NETWORK DB provides an efficient and cost-effective way to interconnect presence detectors and luminaires using industry-standard connectors.

- Up to 10 or 12 luminaires (or luminaire chains up to 16A max) can be connected
- Up to 2 detectors can be connected
- Up to 5 separate, switch inputs can be connected

Luminaires may be switched via conventional on/off switches. One switch can switch up to 12 luminaires or two switches can switch up to 6 luminaires each. Emergency lights may be tested by interrupting the maintained live supply using a suitable key-switch.

Key Features

Flexible

Can be used on a wide range of installations

Labour Saving

Pre-wired luminaires saves install time on-site
No termination on detectors

Simple Programming NETDB12

Can be commissioned with simple drop-down programmer

Interfacing

Low-Level UBT Interfacing

Applications

Schools, Hospitals, Offices, Hotels and Retail

NETDB10

10 Way Distribution Box



NETDB12

12 Way Programmable Distribution Box



NETWORK WIRING

Factory Fitted Wiring



NETDB10



10 Way distribution box

NETWORK DB10 provides an efficient and cost-effective way to interconnect presence detectors and luminaires using industry-standard connectors. One or two detectors can be connected to up to 10 luminaires, depending upon the configuration required. One detector can control up to 10 luminaires or two detectors can control up to 5 luminaires each. The 7-way connectors facilitate the option for the addition of manual switching. A range of detectors incorporating the facility for One-Switch operation are available complete with 7-way connectors for ‘plug and play’ connection to the NETWORK DB Box.

Specification

- Operating Voltage: 230V 50Hz (UK & Europe)
Product Rating/Recommended Circuit Protection: 16 Amps
- Maximum Load per Outlet: 6 Amps
- Maximum Total Load: 16 Amps
- Supply Terminal Capacity: 6.0mm (2 x 2.5mm)
- Dimming Terminal Capacity: 4.0mm
- Case Material: Polycarbonate
- Case Finish: Lightly textured light grey

Dimensions

Height 50mm (108mm including plug and lead)
Width 315mm (361mm including mounting feet)
Depth 205mm
Fixings 340mm
Weight 1.85kg

Options (Suffix V102/V103 etc Codes)

/NET105 Detector supplied with 5.0m lead

DB Codes

Order code	Specification
NETDB10	10-way luminaire distribution box
V102/NET103	Photocell PIR detector with 3.0m lead for use with NETDB10
V103/NET103	Dimmable photocell PIR detector with 3.0m lead
V104/NET103	Remote microwave detector with 3.0m lead
V106/NET103	Remote dimmable microwave detector with 3.0m lead

NETDB12



12 Way distribution box

NETWORK DB12 has 6 output channels providing control through various protocols (DSI/DALI and Analogue dimming and conventional switching), with the capability of connecting motion detectors and volt-free switch inputs. Luminaires use industry-standard connectors. Simple programming changes are made via an infrared programmer. By connecting a Control and Communications Interface, each NETDB12 Box can be monitored over an internet or Ethernet connection and interact via BACnet protocol to other systems (BMS, HVAC, security).

Specification

- Operating Voltage: 230V 50Hz (UK & Europe)
Product Rating/Recommended Circuit Protection: 16 Amps
- Maximum Load per Outlet: 6 Amps
- Maximum Total Load: 16 Amps
- Supply Terminal Capacity: 6.0mm (2 x 2.5mm)
- Dimming Terminal Capacity: 4.0mm
- Case Material: Polycarbonate
- Case Finish: Lightly textured light grey

Dimensions

Height 50mm (108mm including plug and lead)
Width 315mm (361mm including mounting feet)
Depth 205mm
Fixings 340mm
Weight 1.85kg

Options (Suffix V102/V103 etc Codes)

/NET125 Detector supplied with 5.0m lead

/NET1210 Detector supplied with 10.0m lead

DB Codes

Order code	Specification
NETDB12	12-way luminaire distribution on/off box
V102/NET123	Photocell PIR detector with 3.0m lead for use with NETDB12
V103/NET123	Dimmable photocell PIR detector with 3.0m lead
V104/NET123	Remote microwave detector with 3.0m lead
V106/NET123	Remote dimmable microwave detector with 3.0m lead

Note: Analogue, Bus, DALI and DSI options also available.

Configuration

Each DB Box has 6 channels which can control up to 40 luminaires (10 per channel, 40 per box) and be independently switched, dimmed or programmed bound together in any configuration. Connectors include:

- Soft wire connections to luminaires which can be factory fitted
- Microwave and passive infrared (PIR) presence detectors (both surface and flush mount) as well as integral PIR detectors are connected via RJ45 patch leads
- Switches are connected to the NETDB Box via the three pin input plug
- The Bus link gives the option to communicate between multiple DB boxes, giving greater flexibility in lighting control. The maximum allowable cable length between the switch mechanism and the DB Box switch terminal block is 100 metres.

PREWIRED OPTION

The Tamlite Lighting ‘NETWORK’ option allow contractors to make use of today’s technology, benefit from quicker installation times and simplified wiring systems. There are 2 main advantages.

- Products can be supplied pre-wired with flex and plug to connect to many proprietary wiring systems. This means installation times are drastically reduced as the product now only requires mechanical installation with a simple click connection to power.
- Maintenance of the lighting system becomes easier and quicker as any removal of the luminaires can easily be done by unplugging an item and taking it away.

Option features:

- 4 Pin male/female ‘T’ connector
- Allows ‘Daisy chain’ connection of circuit
- Full range of connecting leads available
- Add suffix /PWT to luminaire order code for supply with 4 pole ‘T’ piece connector

Accessories

PWT20 Supplied with a 4 pole ‘T’ piece including a 2.0m lead

PWT30 Supplied with a 4 pole ‘T’ piece including a 3.0m lead

PWT40 Supplied with a 4 pole ‘T’ piece including a 4.0m lead

PWT50 Supplied with a 4 pole ‘T’ piece including a 5.0m lead



DESIGN GUIDELINES

Historically lighting design was often an afterthought in architectural considerations for a building, today however it is recognised as a crucial element in the building services industry. Not only is lighting sometimes responsible for up to half of a commercial premises’ power consumption, but it can often be the finishing touch in a project which ensures achievement of an attractive, stimulating and dynamic environment for all users. With such vital considerations, it is clearly very important to ensure a qualified and experienced input by skilled personnel every time.

The design of a lighting installation involves the collation of a wide range of information, all of which is crucial in helping the designer or installer to make the right choice. This process is often neglected, but forms the basis of all good lighting design. The information can be as involved as user work patterns or be as simple as the type of ceiling that is installed. An understanding of the application, the products and the science behind the design is vital. TamLite Lighting have invested considerable amounts of time and money in the development of a professional and dedicated Technical Team that can provide the help and guidance that designers and installers expect from one of the UK’s leading lighting suppliers.

GLOSSARY OF BASIC LIGHTING TERMS

Term	Definition	Measurement
Average illumination	Illuminance averaged over the specified area, measured in Lux.	lx
Colour rendering	The ability of a light source to reveal the colours of objects. Measured by the colour rendering index (Ra), the higher the number the better, up to maximum 100	Ra
Colour temperature	Relates to the actual colour appearance of the light emitted. Colour temperature from the Lamp, commonly; warm, cool or daylight colour appearance, is worked out using the CIE Chromacity diagram. Measured in degrees Kelvin (lamps are usually listed in the form of or of 835, 840 and 965). The first number is the Ra, the second and third are the colour temperature. Eg 840 is a Ra 80 and a 4000K	K
Efficacy	Measured in Lumens per watt, efficacy helps compare the amount of light available for each watt of power	lm/W
Illuminance	The luminous flux density on a surface, per unit area, known as the illumination level and expressed as E or Lux	1 lm/m² = 1 lx
Luminance	The measured brightness of a surface	cd/m²
Light output ratio	The ratio of the total light output of the luminaire to the output of the lamps (LOR)	%
Luminous flux	The total light output of a lamp	Lumens
Maintained illuminance	This would be the illumination level for a Designer which takes into account the depreciation of the lamps and the collection of dirt and dust within the area	Lux
Uniformity ratio	This generally represents the ratio between the average illuminance value and the lowest across specified area	%

THE SLL CODE FOR LIGHTING (LG7)

The guide specifically looks at areas using visual display screen equipment and can be split into two parts. The first part looks at the luminaire used in the space and the required luminance limit of the optics, as the space contains display screen equipment the luminaire used must limit the glare in the area, the luminance limit is based on the type of screen and the type of software in use. A typical value at 65 degrees for most screen types is 3000cd/m². Also covered in part one is a recommended horizontal illuminance of 300-500 Lux and a minimum uniformity on the desks of 80%. Part two looks into the illumination of all the surfaces in the room and is the main addition to the guide since it was

published in 1996. The additional criteria was introduced to make the office environment a brighter more enjoyable space to work. Illumination levels should be greater than 75 Lux on walls and 50 Lux on the ceiling. For more information visit www.cibse.org

In addition to the lighting guides, lighting design recommendations for all areas can be found in the SLL Code for Lighting 2012 & BS EN 12464-1.

Typical maintained illuminance levels (Exterior)

Standard Maintained Illuminance (LUX)	Typical Activities/Application
5	Security
10 areas	Cycle paths, footpaths, parks and garden
15	Roadways, car parks and rural areas
20	Storage areas, open pavement areas
25	Roadways and suburban areas
30	Roadways and car parks in city centres
50	Storage areas and sales areas
100	Signs (low district brightness)
150	Canopied areas
200	Local, training and sports areas
300	Regional tennis courts and garage forecourts
500	National tennis courts

Note: Information from British Standards and C.I.B.S.E Lighting Guide LG6: The Outdoor Environment

Typical maintained illuminance levels (Interior)







Standard Maintained Illuminance (LUX)	Typical Activities/Application
100	Corridors, changing rooms, bulk stores and auditoria
150	Loading bays, medical stores and plant rooms
300	Libraries, sports and assembly halls, teaching spaces, lecture theatres and packing
500	General offices, engine assembly, painting and spraying, kitchens, laboratories and retail shops
750	Drawing offices, ceramic decoration, meat inspection and chain stores











Note: From C.I.B.S.E Code for Interior Lighting



LAMP GUIDE

This lamp guide should only be used as a general indication on typical lamp characteristics. In order to provide the latest lamp and gear technology Tamlite Lighting reserve the right to change the specification of any product at any time without reservation.

Lamp Type	Illustration	Voltage (V)	Wattage (W)	Lumen Output (lm-25C° rated) (1)	Cap Type	Nominal Dimension Length (mm)	Colour Temperature (K)	Colour Rendering (Ra)	Lamp Life (hours) (2)
T5 High Efficiency		230	14	1250	G5	600	4000	85	24000
			21	1920		900			
			28	2625		1200			
			35	3325		1500 24			
T5 High Output		230	1750	600	G5	900	4000	85	24000
			39	4375		1500			
			49	4375		1200			
			54	6550		1500 13 = 14W			
T5 High Efficiency ECO PLUS		230	25 = 28W	2450	G5	1200	4000	85	25000
			32 = 35W			1500			
T5 High Output ECO		230	20 = 24W	1650	G5	600	4000	85	25000
			50 = 54W	4400		1200			
			45 = 49W	4100		1500			
			73 = 80W	6550		1500			
CDM-T		230	35	3400	G12	103 X 20	3000	81	12000
			70	5600		110 X 23		84	10000
			150	14000		110 X 23		85	10000
PL-C		230	10	600	G24q=1	116.4 X 27.1	4000	82	13000
			13	900	G24q=1	138.4 X 27.1			
			18	1200	G24q=2	150.4 X 27.1			
			26	1800	G24q=3	171.4 X 27.1			

Lamp Type	Illustration	Voltage (V)	Wattage (W)	Lumen Output (lm-25C° rated) (1)	Cap Type	Nominal Dimension Length (mm)	Colour Temperature (K)	Colour Rendering (Ra)	Lamp Life (hours) (2)
PL-S		230	5	250	G23-2G7	105 x 28	4000	82	10000
			7	400		135 x 28			
			9	600		167 x 28			
			11	900		235.8 x 28			
PL-L		230	18	1200	2G11	226.6 X 37.7	4000	82	20000
			24	1800		321.6 X 37.7			
			36	2900		416.6 X 37.7			
			40	3500		541.6 X 37.7			
			55	4800	571.6 X 37.7 16	541.6 X 37.7			
			80	6000		1050 GR10q			
2D		230	141 X 138	1350	GR10q	141 X 138	4000	82	20000
			21	2050	GR10q	207 X 205			
			28	2850	GR10q	207 X 205			
			38	3900	GR10q-3	207 X 205			
			55	1200	GX24q=2	111.7 X 41			
			18	1800	GX24q=3	126.7 X 41			
PL-T		230	26	2400	GX24q=3	138.7 X 41	4000	82	13000
			32	3200	GX24q=4	160.7 X 41			
			42						
MBI/E (Coated) (3)		230	70	5300	E27	138 X 55	3700	70	15000
			100	8000		138 X 55	4000	75	
HPI/E		230	150	13500	E40	284 X 121.5 400	4500	69	32000
			30000	E40	290 X 122				
ECO-HID/T		230	200	19000	E40	283 X 76	4000	68	40000
			320	39000		283 X 76	4000	68	40000 200
ECO-HID/E		230	20000		E40	215 X 90	4000	68	40000
			320	31000		296 X 120	4000	68	40000 230 1000
SON/T		130000	E40	390 X 67	2000	25	20000		
HPI/T		230	250	21000	E40	225 X 46	4000	65	15000
		230	400	36000		285 X 46	4000		12000
		230	1000	85000		382 X 66	4300		12000
		230	2000	189000		430 X 101.5	4200		12000
		415	2000	210000		430 X 101.5	3800		12000

VENTURE ECO HID

Tamlite can now provide the very latest in energy saving, long-life solutions for retro-fit or new installations on traditional high-output discharge lamps. The Venture Sustainability range of Metal Halide lamps provides the ideal solution to replace existing lamp and gear packages with a long-life, energy saving lamp. The range includes coated or clear lamp options for open or enclosed fixtures in a range of wattages and outputs from 200W to 320W. This allows for easy replacement of 250W, 400W SON lamps with 150W or

200W lamps but with no reduction in light output and an improved (white light) installation.

FEATURES

- + 5 years warranty available
- + 40,000 hours life span
- + Available in 70-400 Watts
- + Excellent maintained lumens of 80%
- + Significant maintenance cost saving
- + Faster warm up and hot restrike
- + Ultimate retro-fit solution
- + UV shield option available
- + Reduced colour shift



ECOPLUS T5 LAMPS

TL5 High Output EcoPlus lamp (tube diameter 16 millimetres) provides extra energy savings by simple lamp-for-lamp replacement of TL5 HO lamps, at the expense of slightly reduced light output. No compromises are made on the excellent T5 lumen maintenance, lifetime and colour rendering.

Application areas vary from offices and industry to schools and retail environments. They can be supplied as straightforward option into any T5 HO fixture within the 2020 range, especially the MICRO T5 Batten.

FEATURES

- + High lamp efficacies up to 107 lm/W
- + Up to 20% power reduction compared with standard T5 HO lamps

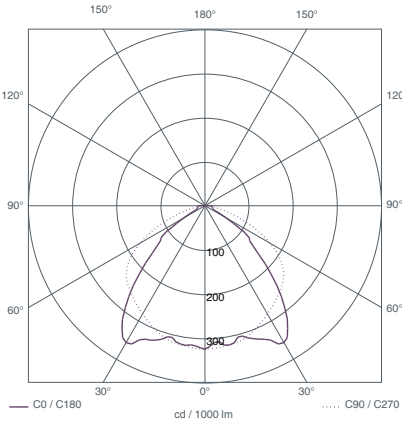


PHILIPS
sense and simplicity



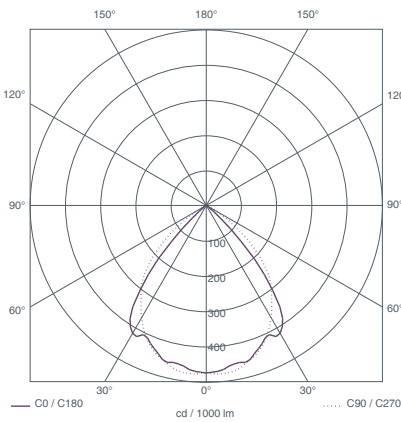
PHOTOMETRICS

MICRO LED



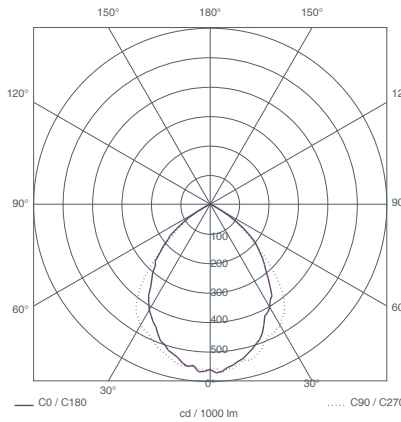
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2020 EXCEL



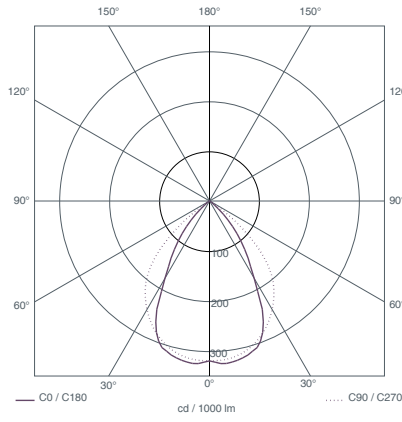
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2020 EXCEL LED



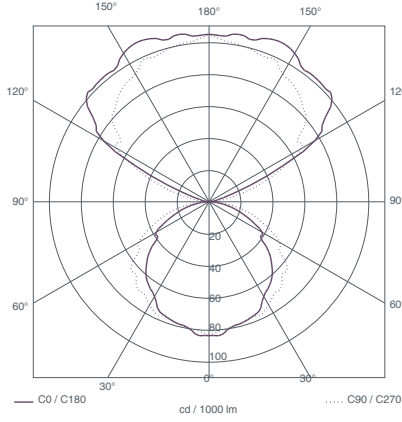
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2020 SOLO VDT



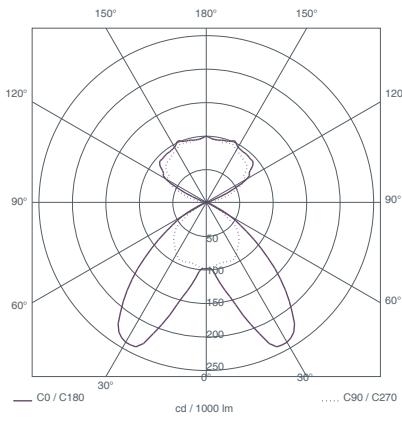
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2020 AERO



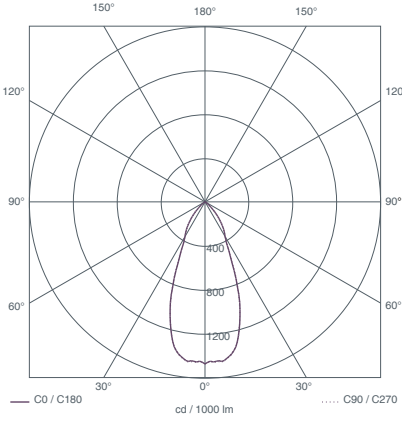
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2020 AERO VDT



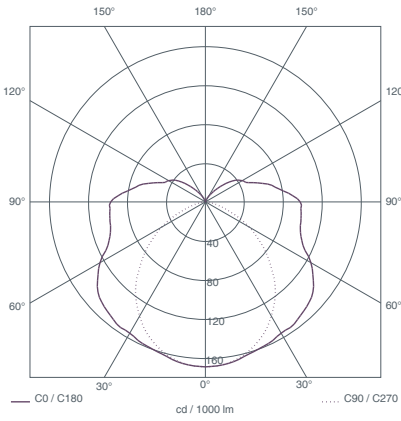
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UTLRA LED



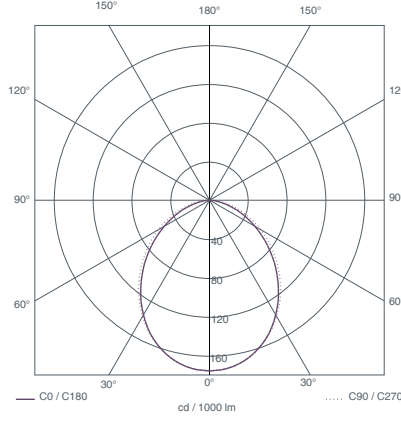
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PRIMA



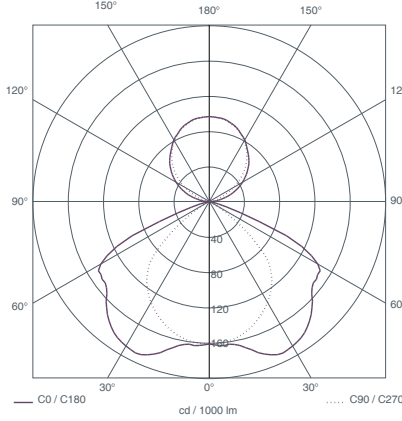
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2020 SOLO



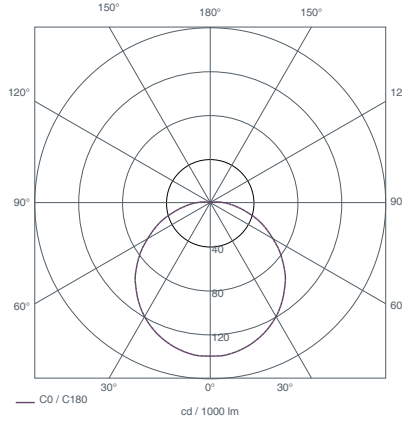
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ARCO



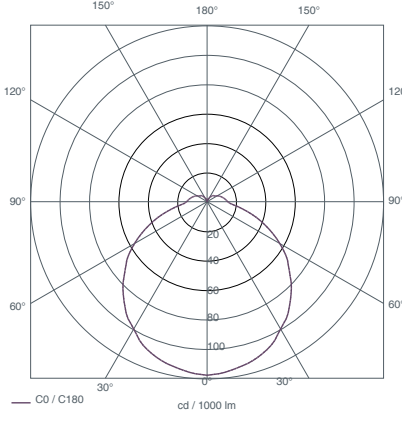
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ELEGANCE



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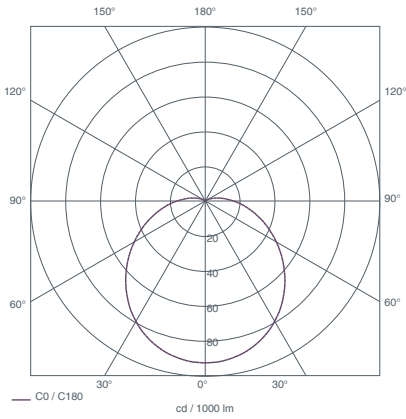
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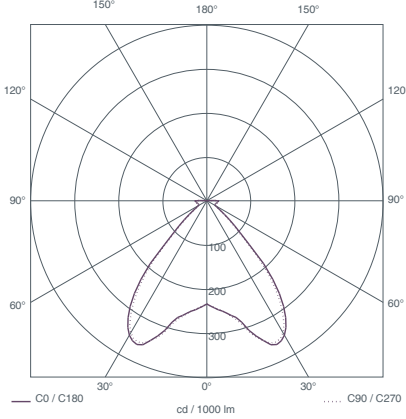
PHOTOMETRICS

DELTA



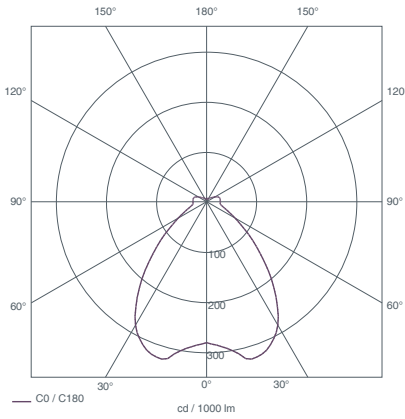
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SAPPHIRE



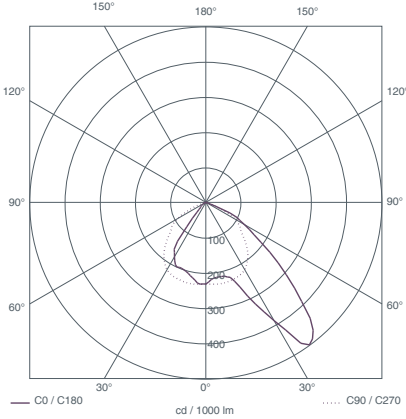
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REFRACTOR LUX



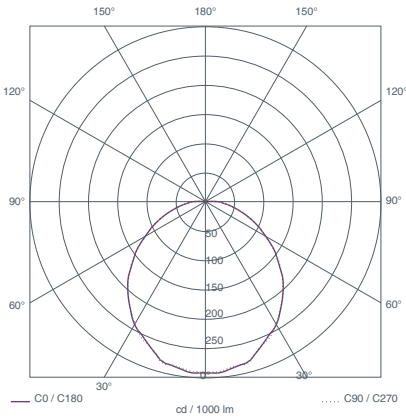
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GXLH



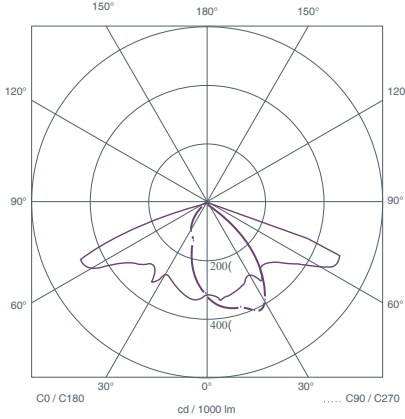
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LUNAR



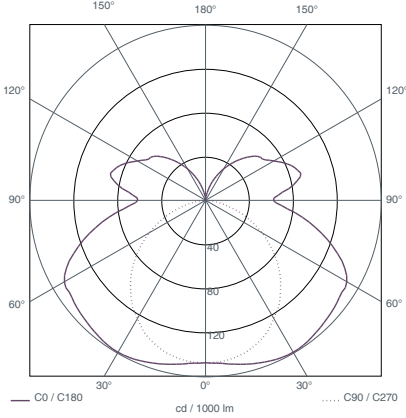
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EXPLORER RL



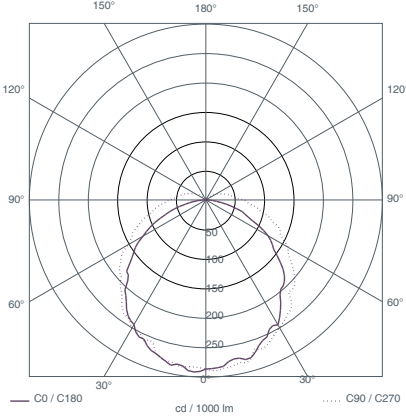
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MICRO T5



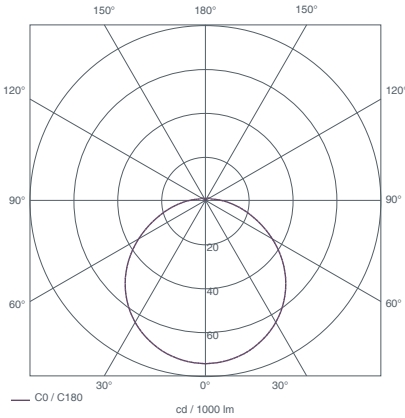
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EUROWP



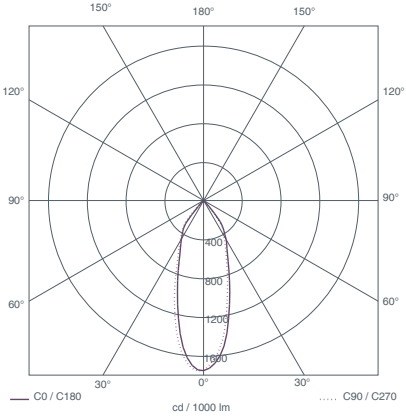
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HURRICANE HALO



Order code Lamps L.O.R
HH28F 1 x 28W TC-DD 24.76

TMHG LED



Order code Lamps L.O.R
TMHGLED 1 x 31W LED 74.58

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