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Optics

- Light output options:
 - 4000 Kelvin 'cool white' colour temperature
- High quality, single bin LEDs with a 4 MacAdam ellipse tolerance
- White or blue LED feature halo ring options (400mm diameter product only)
- Polycarbonate opal diffuser
- 50,000 hours life expectancy
- Up to 80 luminaire lumens per circuit watt

Body

- Surface mounted as standard
- Recessing kit to be ordered separately
- 300mm or 400mm diameter in cast aluminium with injection moulded base
- Finished in silver or white
- IP40
- Choice of integrated emergency options:
 - 3 hour emergency
 - EasyTest
 - COMEPS
- Optional Command 5 microwave detector mounted behind the diffuser available that can be set to one of two configurations;
 - Microwave presence detection with ON/OFF operation
 - Microwave presence detection with High/Low/Off set-back functionality. Can be set to switch from 100% down to set-back position of 50%, 30%, 20%, 10% or OFF
- Optional trim ring available for an alternative aesthetic finish
- Product also available in suspended, see page 88

Order Codes

300mm 4K	Fixed Output	3 hr Emergency
8W*	K4H364KS	K4H364KSEM
18W*	K4H3124KS	K4H3124KSEM

400mm 4K	Fixed Output	3 hr Emergency
23W*	K4H4154KS	K4H4154KSEM
34W*	K4H4204KS	K4H4204KSEM

Accessories

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

Options

¹ WHITE LED HALO RING	Add HA after K4	i.e. K4 HA H464KS
¹ BLUE LED HALO RING	Add HB after K4	i.e. K4 HB H464KS
DALI DIMMING	Replace H with Y	i.e. K4 Y 364KS
EASYTEST	Add suffix /ET	i.e. K4H364KS/ ET
COMEPS	Add suffix /EP	i.e. K4H364KS/ EP
COMMAND 5**	Replace H with Q5	i.e. K4 Q5 364KS
WHITE FINISH	Replace S with W	i.e. K4H364 KW

*Available for delivery from January 2013. Typically 70-80 LL/W, please consult website for precise lumen output.

¹Only available with 400mm product

**Note: Command 5 set-back functionality not available in 300mm emergency products

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4K	≥ 80	L ₇₀ (50,000hrs)	MacAdam 4 SDCM



Recess Ring

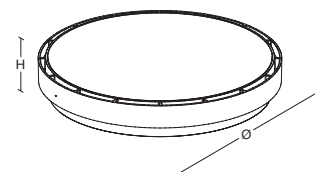


Without Trim Ring

Equivalent Lamp Types

TCD	18/26W
2D	28/38/55W

Dimensions



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

To Specify

Surface mounted or recessed circular IP40 LED bulkhead luminaire in 300 or 400mm diameter. Polycarbonate opal diffuser. Optional integrated microwave presence detector with ON/OFF or set-back functionality – as Whitecroft Lighting KOLO



Optics

- Light output options:
 - 900 lumens (3K – 19W*)
 - 1200 lumens (3K – 28W*)
 - 1000 lumens (4K – 19W*)
 - 1300 lumens (4K – 28W*)
- *Total power consumption including driver
- High quality, single bin LEDs with a 4 MacAdam ellipse tolerance
- Polycarbonate opal diffuser retained in steel bezel
- Positive snap fit diffuser
- 50,000 hours life expectancy

Body

- Spun steel body, finished white
- IP40
- Surface mounted
- Wall or ceiling mounting
- Side or rear entry mains connection
- Optional Command 5 microwave sensor available mounted behind the diffuser

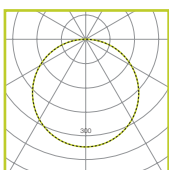
Order Codes

Surface	HF Gear	3 hr Emergency
900 lumens 3K	HRL93K	HRL93KEM
1200 lumens 3K	HRL123K	HRL123KEM
1000 lumens 4K	HRL104K	HRL104KEM
1300 lumens 4K	HRL134K	HRL134KEM

Options

EASYTEST	Add suffix /ET	i.e. HRL93K/ET
COMEPS	Add suffix /EP	i.e. HRL93K/EP
COMMAND 5	Replace L with Q5	i.e. HRQ593K

Photometric Performance



19W LED (4K)
1000 lumens
• LOR = 100%
• SHR MAX = 1.64

Utilisation Factors UF(F)

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

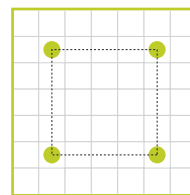


LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
3K	≥ 80	L ₇₀ (50,000hrs)	MacAdam 4 SDCM
4K	≥ 80	L ₇₀ (50,000hrs)	MacAdam 4 SDCM

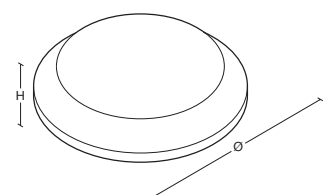
Performance Guide

Lamps	Illuminance	Spacing
28W LED	200 lux	2.4m x 2.4m



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

Dimensions



Ø	H	KG	KG
430	100	3.5	3.8

To Specify

Surface mounted circular IP40 LED luminaire 430mm Ø and 100mm protrusion from surface. Flame retardant opal diffuser with spun steel body - as Whitecroft Lighting HORIZON LED



Optics

- Lamp options:
 - 1 x 28W 2D
 - 1 x 38W 2D
- Polycarbonate opal diffuser retained in steel bezel
- Positive snap fit diffuser

Body

- Spun steel body, finished white
- IP40
- Surface or semi-recessed mounting (minimum void depth 56mm)
- Wall or ceiling mounting
- Integral hinged geartray
- Optional Command 5 microwave sensor available mounted behind the diffuser



Order Codes

Surface	HF Gear	3 hr Emergency
2D 1 x 28W	HRH128	HRH128EM
2D 1 x 38W	HRH138	HRH138EM

Semi-Recessed	HF Gear	3 hr Emergency
2D 1 x 28W	HRH128SR	HRH128SREM
2D 1 x 38W	HRH138SR	HRH138SREM

Options

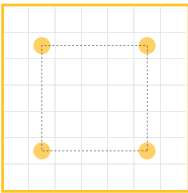
COMMAND 5	Add Q5 after HR	i.e. HR Q5 H128
EASYTEST	Add suffix /ET	i.e. HRH128/ ET
COMEPS	Add suffix /EP	i.e. HRH128/ EP
COMET	Add suffix /CT	i.e. HRH128/ CT

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 28W 2D	2150	21,000hrs
1 x 38W 2D	3020	21,000hrs

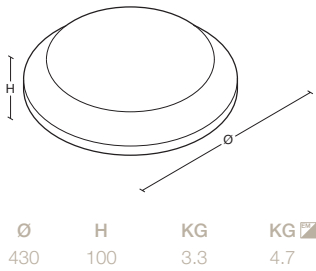
Performance Guide

Lamps	Illuminance	Spacing
1 x 38W	240 lux	2.4m x 2.4m

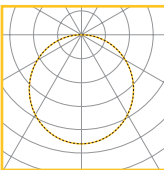


Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 2.7m
Working Plane: 0.8m

Dimensions



Photometric Performance



1 x 28W 2D T5
• LOR = 54.8%
• SHR MAX = 1.62

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.37	0.52	0.56

To Specify

Surface/semi-recessed circular IP40 2D luminaire 430mm Ø and 100mm protrusion from surface or 54mm when semi-recessed. Flame retardant opal diffuser, spun steel body – as Whitecroft Lighting HORIZON



convor surface

high output circular
bulkhead



Optics

- Lamp options:
 - 4 x 26W TC-D
 - 1 x 60W T5-C
 - 4 x 17W PLR-ECO
- Large lamp package options to reduce number of installed luminaires, ideal for stairwells
- Micro polymer diffuser option in polycarbonate for applications where impact resistance is important
- Twist and lock diffuser location

Body

- Two part spun steel body finished silver and injection moulded gear tray with first fix detail
- Integral emergency versions due to a superior thermal management construction
- IP40
- Optional extruded and rolled aluminium bezel
- Optional acrylic feature ring available
- Optional Command 5 microwave sensor available mounted behind the diffuser with on/off operation



Feature Ring



Extruded Aluminium Bezel



Standard Bezel

Order Codes

Convor	HF Gear	3 hr Emergency
TC-D 4 x 26W	CNVAH426	CNVAH426EM
T5-C 1 x 60W	CNVAH160	CNVAH160EM
PLR-ECO 4 x 17W	CNVAH417	CNVAH417EM

Options

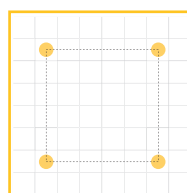
DALI DIMMING	Replace H with Y	i.e. CNVAY426
SWITCH DIMMING*	Replace H with X	i.e. CNVAX426
COMMAND 5**	Add Q5 after CNVA	i.e. CNVA Q5 H426
EASYTEST*	Add suffix /ET	i.e. CNVAH426/ ET
COMEPS*	Add suffix /EP	i.e. CNVAH426/ EP
COMET	Add suffix /CT	i.e. CNVAH426/ CT
POLYCARBONATE DIFFUSER	Replace A with P	i.e. CNVPH426
FEATURE RING		CNVFR
BEZEL		CNVBEZ
SURFACE CONDUIT ADAPTER		CNVSCA

*Not available for T5-C 1 x 60W

**Command 5 is only available with HF gear

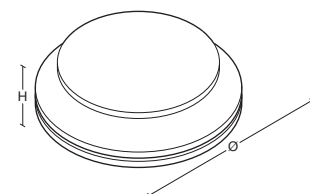
Performance Guide

Lamps	Illuminance	Spacing
4 x 26W TC-D	520 lux	3.0m x 3.0m



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

Dimensions

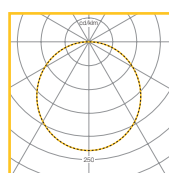


Version	Ø	H	KG	KG
Standard	538	168	7.9	8.9
Bezel	596	168	8.4	9.4
Feature ring	680	168	8.1	9.1

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 26W TC-D	1800	13,000hrs
1 x 60W T5-C	5000	12,000hrs
1 x 17W PLR-ECO	1250	19,000hrs

Photometric Performance



4 x 26W TC-D
Acrylic
• LOR = 73.7%
• SHR MAX = 1.67

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.47 0.68 0.74

To Specify

High output circular IP40 luminaire with micro polymer diffuser in acrylic/polycarbonate. Two part body with thermal management to allow integral self contained emergency option – as Whitecroft Lighting CONVOR



Optics

- Lamp options:
 - 1 x 28W 2D
 - 1 x 38W 2D
- Etched glass outer ring supported by 3 chrome pillars
- White opal glass diffuser giving halo effect

Body

- Spun steel body, finished in white
- Wall or ceiling mounting



Order Codes

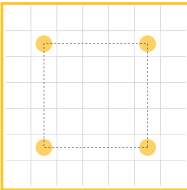
Laguna	HF Gear	3 hr Emergency
2D 1 x 28W	LNH128	LNH128EM
2D 1 x 38W	LNH138	LNH138EM

Options

EASYTEST	Add suffix /ET	i.e. LNH128/ET
COMEPS	Add suffix /EP	i.e. LNH128/EP
COMET	Add suffix /CT	i.e. LNH128/CT

Performance Guide

Lamps	Illuminance	Spacing
1 x 38W	230 lux	2.4m x 2.4m

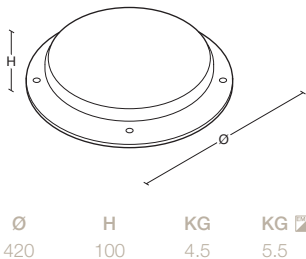


Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.8m

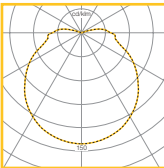
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 28W 2D	2150	21,000hrs
1 x 38W 2D	3020	21,000hrs

Dimensions



Photometric Performance



1 x 28W 2D
• LOR = 56.9%
• SHR MAX = 1.67

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.34	0.50	0.54

To Specify

Surface mounted circular 2D luminaire 420mm Ø and 100mm protrusion from surface. White opal glass diffuser with etched outer glass ring. Spun steel body – as Whitecroft Lighting LAGUNA



Optics

- Lamp options:
 - 1 x 28W 2D
 - 1 x 38W 2D
- Polycarbonate opal diffuser with positive snap fit

Body

- White flame retardant polycarbonate
- Mounting:
 - Surface or semi-recessed (requires semi-recessing kit)
 - Spacing ring for flush surface mounting
 - Wall or ceiling mounted
- IP54

Order Codes

Lunar	HF Gear	3 hr Emergency
2D 1 x 28W	LUNH128	LUNH128EM
2D 1 x 38W	LUNH138	-

Options

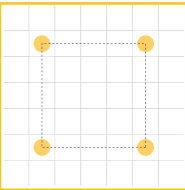
WHITE SPACING RING	LUNSRW
SEMI-RECESSING KIT	LUNSRK



Spacing Ring Detail LUNH28W with LUNSRW

Performance Guide

Lamps	Illuminance	Spacing
1 x 38W	180 lux	2.4m x 2.4m

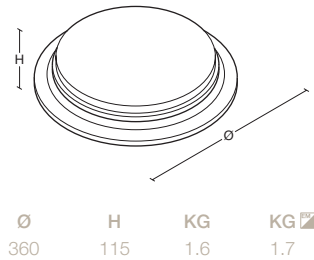


Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.8m

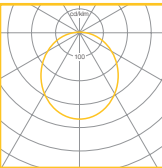
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 28W 2D	2150	21,000hrs
1 x 38W 2D	3020	21,000hrs

Dimensions



Photometric Performance



1 x 28W 2D T5
• DLOR = 39.2%
• SHR MAX = 1.61

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.26	0.37	0.40

To Specify

Surface/semi-recessed circular IP54 28/38W 2D luminaire 360mm Ø and 115mm protrusion from surface or 75mm when semi-recessed. Flame retardant polycarbonate diffuser and body. Sealed to IP54 – as Whitecroft Lighting LUNAR



Optics

- Lamp options:
 - 2 x 36W TC-L
 - 2 x 40W TC-L
 - 2 x 55W TC-L
 - 3 x 55W TC-L
 - 4 x 55W TC-L
- Light distribution: 80% up and 20% down
- Downlight controller white perforated steel

Body

- Extruded aluminium and fabricated steel construction finished matt metallic grey



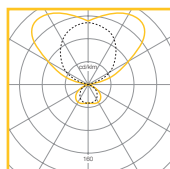
Order Codes

Flight	HF Gear
TC-L 2 x 36W	FLTW2369H
TC-L 2 x 40W	FLTW2409H
TC-L 2 x 55W	FLTW2559H
TC-L 3 x 55W	FLTW3559H
TC-L 4 x 55W	FLTW4559H

Options

DALI DIMMING	Replace H with Y	i.e. FLTW2369Y
SWITCH DIMMING	Replace H with X	i.e. FLTW2369X

Photometric Performance



- 2 x 55W TC-L
- LOR = 62.8%
- SHR MAX = 1.26

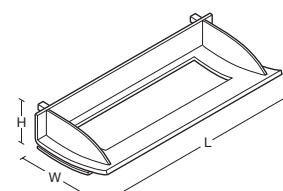
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 36W TC-L	2900	20,000hrs
1 x 40W TC-L	3500	20,000hrs
1 x 55W TC-L	4800	20,000hrs

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.31 0.47 0.51

Dimensions



Version	L	W	H	KG
2 x 36W	495	274	72	5.0
2 x 40/55W	615	274	72	5.4
3 x 55W	615	274	72	5.5
4 x 55W	615	395	72	6.5

To Specify

Wall mounted uplighter extruded aluminium and fabricated steel. 72mm in depth. 80% uplight, 20% downlight – as Whitecroft Lighting FLIGHT



Optics

- Lamp options:
 - 1 x 40W TC-L
 - 1 x 55W TC-L

Body

- Extruded aluminium body painted white
- Individual switch incorporated into bracket
- Specular wedge blade louvre positively retained via quick release springs
- Die cast aluminium end caps
- Asymmetric light distribution
- Upward light controlled by extruded acrylic lens



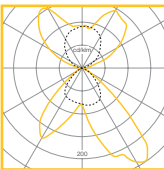
Order Codes

Oasis	HF Gear	3 hr Emergency
TC-L 1 x 40W	OAGW2H140	OAGW2H140EMIN
TC-L 1 x 55W	OAGW2H155	OAGW2H155EMIN

Options

DALI DIMMING	Replace H with Y	i.e. OAGW2Y140
SWITCH DIMMING	Replace H with X	i.e. OAGW2X140
EASYTEST	Add suffix /ET	i.e. OAGW2H140/ET
COMEPS	Add suffix /EP	i.e. OAGW2H140/EP

Photometric Performance



- 1 x 55W TC-L
- LOR = 69.5%
- SHR MAX = 2.16

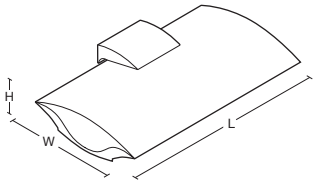
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 40W TC-L	3500	20,000hrs
1 x 55W TC-L	4800	20,000hrs

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.39 0.56 0.60

Dimensions



L	W	H	KG	KG
660	360	95	5.4	6.4

To Specify

Wall mounted direct/indirect luminaire extruded aluminium body 95mm deep acrylic lens for upward light component curved wedge louvre with asymmetric distribution – as Whitecroft Lighting OASIS

vespere wall

architectural
fluorescent wall light



Optics

- Lamp options:
 - 2 x 36W TC-L

Body

- Fabricated steel back plate
- White polyester powder paint
- Curved panel fabricated perforated steel front fascia

Order Codes

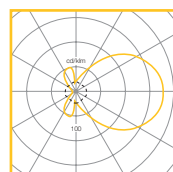
Vespere Wall Mounted TC-L 2 x 36W	HF Gear VWMH236	3 hr Emergency VWMH236EMIN
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Options

DALI DIMMING	Replace H with Y	i.e. VWMY236
SWITCH DIMMING	Replace H with X	i.e. VWMX236
EASYTEST	Add suffix /ET	i.e. VWMH236/ET
COMEPS	Add suffix /EP	i.e. VWMH236/EP
COMET	Add suffix /CT	i.e. VWMH236/CT



Photometric Performance



- 2 x 36W TC-L
- LOR = 40.8%
- SHR MAX = 1.21

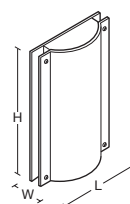
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 36W TC-L	2900	20,000hrs

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.18 0.29 0.32

Dimensions



W	L	H	KG	KG
98	260	430	6.0	7.0

To Specify

Wall mounted compact fluorescent luminaire with curved perforated front panel protruding a maximum of 98mm – as Whitecroft Lighting VESPERE WALL



buzzito wall

wall mounted
architectural luminaire



Optics

- Lamp options:
 - 1 x 18W TC-D
- The solid translucent polycarbonate tube guarantees even light diffusion and fades out the shape of the lamp

Body

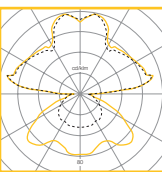
- Wall mounted
- Extruded plain anodised aluminium body
- Part of a family of products:
 - see page 94 for Buzzito
 - see page 124 for Buuze



Order Codes

Buzzito Wall	HF Gear
TC-D 1 x 18W	WACO880.41.1.20.1

Photometric Performance



1 x 18W TC-D
• LOR = 68.6%
• SHR MAX = 1.50

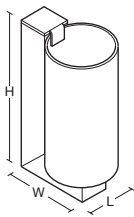
Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.32	0.42	0.55

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 18W TC-D	1200	13,000hrs

Dimensions



L	W	H	KG
133	130	267	0.7

To Specify

Wall mounted luminaire with anodised aluminium body and circular polycarbonate diffuser – as Whitecroft Lighting BUZZITO WALL



Optics

- Lamp options:
 - 2 x 55W TC-L
- Clear prismatic polycarbonate diffuser fixed to body via tamper proof fixing screw and spun aluminium clamp plate

Body

- Spun aluminium body finished white
- EPDM gasket seal between body & diffuser
- IP55



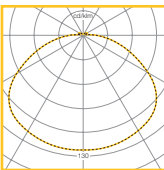
Order Codes

Enterprise	HF Gear	3 hr Emergency
TC-L 2 x 55W	ENH255	ENH255EMIN

Options

DALI DIMMING	Replace H with Y	i.e. ENY255
SWITCH DIMMING	Replace H with X	i.e. ENX255
EASYTEST	Add suffix /ET	i.e. ENH255/ET
COMEPS	Add suffix /EP	i.e. ENH255/EP
COMET	Add suffix /CT	i.e. ENH255/CT
Special tool required for access and fixing		HAL-KEY

Photometric Performance



2 x 55W TC-L
• LOR = 54.6%
• SHR MAX = 1.82

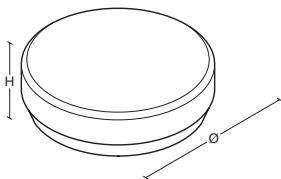
Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.35	0.50	0.55

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 55W TC-L	4800	20,000hrs

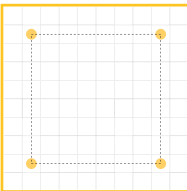
Dimensions



Ø	H	KG	KG
575	182	5.0	6.0

Performance Guide

Lamps	Illuminance	Spacing
2 x 55W TC-L	220 lux	4.0m x 4.0m



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
6m
Working Plane:
0.0m

To Specify

IP55 2 x 55W TC-L circular surface luminaire with clear prismatic polycarbonate diffuser lens and high frequency control gear. Diffuser positively fixed via central tamper proof fixing and spun aluminium clamping ring – as Whitecroft Lighting ENTERPRISE



Optics

- Lamp options:
 - 1 or 2 x 28/35/49/54W T5
 - 1 x 80W T5
- Wedge blade semi-specular louvre or opal acrylic diffuser
- 100% downlight

Body

- Slim depth, extruded aluminium body, painted white or silver
- Hinged steel gear tray enables easy access for maintenance
- Two moulded BESA blocks
- Injection moulded polycarbonate end caps (to be ordered separately)
- Can be continuously mounted with the use of a kit (to be ordered separately). The continuous mounting caps have U shaped channels to facilitate easy through wiring
- Not suitable for mounting on suspended trunking
- Infill options available. Includes a version with Command 4 sensor mounted infill
- Product also available as suspended version with up and down light see page 114





Order Codes

Orias Wedge Louvre

	HF Gear	3 hr Emergency
T5 1 x 28W	ORSWH128W	ORSWH128WEM
T5 1 x 35W	ORSWH135W	ORSWH135WEM
T5 1 x 49W	ORSWH149W	ORSWH149WEM
T5 1 x 54W	ORSWH154W	ORSWH154WEM
T5 1 x 80W	ORSWH180W	ORSWH180WEM
T5 2 x 28W	ORSWH228W	ORSWH228WEM
T5 2 x 35W	ORSWH235W	ORSWH235WEM
T5 2 x 49W	ORSWH249W	ORSWH249WEM
T5 2 x 54W	ORSWH254W	ORSWH254WEM

Accessories

End Caps (Pair)
Continuous Mounting Kit
300mm Infill
600mm Infill
900mm Infill
1200mm Infill
1500mm Infill

Single Lamp Body

ORSGCAPW
ORSGCMKW
ORSGINF300W
ORSGINF600W
ORSGINF900W
ORSGINF1200W
ORSGINF1500W

Twin Lamp Body

ORTWCAPW
ORTWCMKW
ORTWINF300W
ORTWINF600W
ORTWINF900W
ORTWINF1200W
ORTWINF1500W

Options

DALI DIMMING	Replace H with Y	i.e. ORSWY128W
SWITCH DIMMING	Replace H with X	i.e. ORSWX128W
COMMAND 4*	Replace H with Q4Y	i.e. ORSWQ4Y128W
COMMAND 4 INFILL**	Add suffix /Q4Y	i.e. ORSGINF300W/Q4Y
EASYTEST	Add suffix /ET	i.e. ORSWH128W/ET
COMEPS	Add suffix /EP	i.e. ORSGINF300W/EP
SILVER FINISH	Replace final W with S	i.e. ORSWH128S
DIFFUSER	Replace W after ORS with D	i.e. ORSDH128W

*A Command 4 luminaire is supplied as a single luminaire including two end caps, one of which has an integrated Command 4 sensor

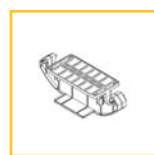
**The integrated sensor infill can only be used with DALI luminaires and control one or two luminaires only



Single End Cap



Twin End Cap



Single Continuous Mount



Twin Continuous Mount



Continuous Mount Kit



Sensor Infill



Hinge Detail

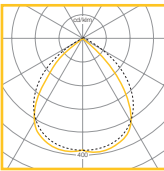


Louvre

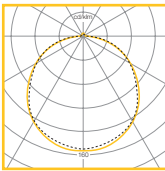


Diffuser

Photometric Performance



2 x 28W T5
Wedge Louvre
• LOR = 72.9%
• SHR MAX = 1.54



2 x 28W T5
Diffuser
• LOR = 56.6%
• SHR MAX = 1.63

Utilisation Factors UF(F)

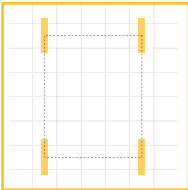
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.62	0.75	0.78

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.38	0.53	0.58

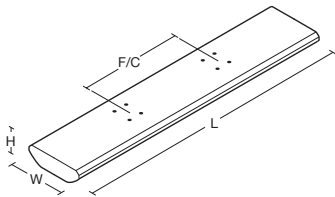
Performance Guide

Lamps	Illuminance	Spacing
2 x 28W T5	490 lux	2.4m x 3.0m



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

Dimensions



Version	L	W	H	F/C	KG	KG 
1 x 28/54W	1234	173	51	760	3.8	4.3
2 x 28/54W	1234	238	51	760	4.2	4.7
1 x 35/49/80W	1534	173	51	1060	4.8	5.3
2 x 35/49W	1534	238	51	1060	5.2	5.7

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 49W T5	4375	24,000hrs
1 x 54W T5	4450	24,000hrs
1 x 80W T5	6550	24,000hrs

To Specify

Surface mount architectural T5 luminaire system, with 51mm depth extruded aluminium body painted white or silver, with wedge louvre or opal acrylic diffuser. Easy maintenance via hinged body and gear tray – as Whitecroft Lighting ORIAS



→
Way Out &
Main Entrance

radial cornice/central

T5 luminaire for cornice or central mounting



Optics

- Lamp options:
 - 1 x 28/35/49/54W T5
- Internal reflector system for superior efficiency
- Reeded polycarbonate diffuser
- Radial cornice suitable for surface mounting
- Radial central suitable for surface or trunking mounting. End caps are 50mm wide at the top to match 50mm trunking

Body

- IP40
- Extruded aluminium body finished white or silver
- Aluminium profiled end caps
- Robust construction
- Suitable for wall or ceiling fixing

Order Codes

Radial Cornice	HF Gear	3 hr Emergency
T5 1 x 28W	RADH128W	RADH128WEM
T5 1 x 35W	RADH135W	RADH135WEM
T5 1 x 49W	RADH149W	RADH149WEM
T5 1 x 54W	RADH154W	RADH154WEM

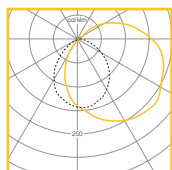
Options

DALI DIMMING	Replace H with Y	i.e. RADY128W
SWITCH DIMMING	Replace H with X	i.e. RADX128W
EASYTEST	Add suffix /ET	i.e. RADH128W/ET
COMEPS	Add suffix /EP	i.e. RADH128W/EP
SILVER	Replace W with S	i.e. RADH128S
RADIAL CENTRAL	Replace AD with TS	i.e. RTSH128W

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 49W T5	4375	24,000hrs
1 x 54W T5	4450	24,000hrs

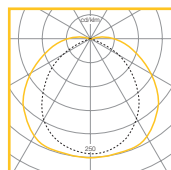
Photometric Performance



1 x 49W T5
Radial Cornice
• LOR = 82.7%
• SHR MAX = 1.65

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.48	0.70	0.79



1 x 54W T5
Radial Central
• LOR = 77.9%
• SHR MAX = 1.72

Utilisation Factors UF(F)

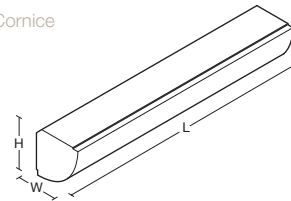
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.51	0.72	0.78



Radial Central

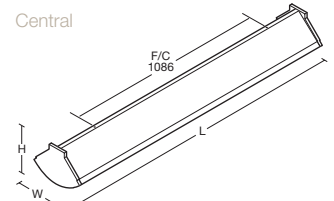
Dimensions

Cornice



Version	L	W	H	KG	KG
28/54W	1186	93	93	3.2	4.2
35/49W	1486	93	93	3.8	4.8

Central



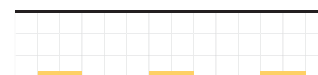
Version	L	W	H	KG	KG
28/54W	1182	127	89	3.2	4.2
35/49W	1482	127	89	3.8	4.8

Performance guide

Cornice

Lamps	Illuminance	Spacing
1 x 54W T5	200 lux	3.0m

Corridor Solution

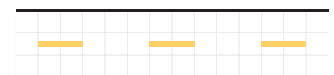


Maintenance: 0.8	Ceiling Height: 2.7m
Reflectance: 70/50/20	Working Plane: 0.0m

Central

Lamps	Illuminance	Spacing
1 x 54W T5	210 lux	3.0m

Corridor Solution



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

To Specify

Radial Cornice

Cornice mounted IP40 rated luminaire with extruded aluminium body and reeded polycarbonate diffuser – as Whitecroft Lighting RADIAL CORNICE

Radial Central

Trunking or surface mounted IP40 rated luminaire with extruded aluminium body and end caps, reeded polycarbonate diffuser – as Whitecroft Lighting RADIAL CENTRAL





Optics

- Lamp options:
 - 1 or 2 x 28/35/49/54/80W T5
 - 1 or 2 x 36/58W T8

Body

- Steel batten finished white
- BESA fixings on body section
- Range of attachments available:
 - Polycarbonate or acrylic diffusers
 - Symmetric, asymmetric or high rack reflectors
 - Wire guard (for use with symmetric reflector only)
- Command 6 sensor available mounted on the end of the luminaire

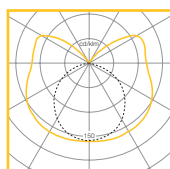
Order Codes

Trimpak	HF Gear	3 hr Emergency
T5 1 x 28W	TPH128	TPH128EM
T5 1 x 35W	TPH135	TPH135EM
T5 1 x 49W	TPH149	TPH149EM
T5 1 x 54W	TPH154	TPH154EM
T5 1 x 80W	TPH180	TPH180EM
T5 2 x 28W	TPH228	TPH228EM
T5 2 x 54W	TPH254	TPH254EM
T5 2 x 35W	TPH235	TPH235EM
T5 2 x 49W	TPH249	TPH249EM
T5 2 x 80W	TPH280	TPH280EM
T8 1 x 36W	TPH136	TPH136EM
T8 1 x 58W	TPH158	TPH158EM
T8 2 x 36W	TPH236	TPH236EM
T8 2 x 58W	TPH258	TPH258EM

Options

DALI DIMMING	Replace H with Y	i.e. TPY128
SWITCH DIMMING	Replace H with X	i.e. TPX128
COMMAND 6	Add Q6 before H	i.e. TPQ6H128
COMMAND 6 DALI	Replace H with Q6Y	i.e. TPQ6Y128
EASYTEST	Add suffix /ET	i.e. TPH128/ET
COMEPS	Add suffix /EP	i.e. TPH128/EP
COMET	Add suffix /CT	i.e. TPH128/CT

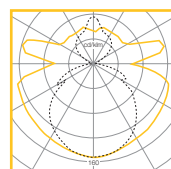
Photometric Performance



1 x 35W T5
• LOR = 96%
• SHR MAX = 1.85

Utilisation Factors UF(F)

Room Reflectance	Room Index			
C	W	F	1.00	3.00 5.00
0.70	0.50	0.20	0.53	0.78 0.86



2 x 35W T5
• LOR = 93%
• SHR MAX = 1.75

Utilisation Factors UF(F)

Room Reflectance	Room Index			
C	W	F	1.00	3.00 5.00
0.70	0.50	0.20	0.49	0.75 0.82



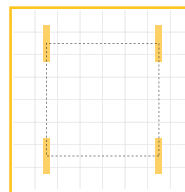
Single Lamp Option



COM6 Sensor

Performance Guide

Lamps	Illuminance	Spacing
2 x 28W T5	320 lux	3.0m x 3.0m



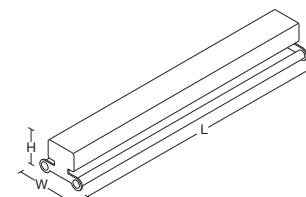
Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
6m
Working Plane:
0.0m

Lamp Performance

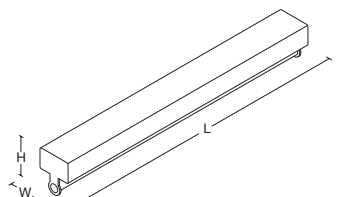
Wattage	IL@25°C	Lamp Life
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 49W T5	4375	24,000hrs
1 x 54W T5	4450	24,000hrs
1 x 80W T5	6550	24,000hrs
1 x 36W T8	3350	19,000hrs
1 x 58W T8	5240	19,000hrs

Dimensions

Twin lamp



Single lamp



Version	L	W	H	KG	KG
28/54W	1221	101	87	2.3	3.3
35/49/80W	1524	101	87	3.0	4.0
36W	1221	102	79	2.3	3.3
58W	1524	102	79	3.0	4.0

BESA fixing centres at 600mm on all products

Version	L	W	H	KG	KG
28/54W	1221	58	88	2.2	3.2
35/49/80W	1524	58	88	2.3	3.3
36W	1221	58	79	2.2	3.2
58W	1524	58	79	2.3	3.3

BESA fixing centres at 600mm on all products

To Specify

Fluorescent batten with rigid section body and clip on cover. Twist locking lamp holders for quick and easy installation – as Whitecroft Lighting TRIMPAK

trimpak attachments

– reflectors

**T5 and T8 fluorescent
batten attachments**

Symmetric

- Provides even downward light over a wide area
- Slots provide a degree of up-lighting and ventilation
- Wire guard available for protection
- Reflectors – sheet steel, enamelled with white high reflective paint

Asymmetric

- Provides directional lighting on vertical surfaces
- Reflectors – sheet steel, enamelled with white high reflective paint

Hi-Rack

- Highly polished aluminium
- Very narrow beam below batten for excellent floor and rack face illumination

All reflectors fit single & twin lamp battens



Symmetric



Asymmetric



Hi-Rack



Wire Guard

Order Codes

Symmetric Reflector

1 or 2 x 28/36/54W
1 or 2 x 35/49/58/80W
1 or 2 x 70W

TPR4
TPR5
TPR6

Wire Guard*

1 or 2 x 28/36/54W
1 or 2 x 35/49/58/80W
1 or 2 x 70W

*For use with symmetric reflector TPR4/TPR5/TPR6

TPWG4
TPWG5
TPWG6

Asymmetric Reflector

1 or 2 x 28/36/54W
1 or 2 x 35/49/58/80W
1 or 2 x 70W

TPZ4
TPZ5
TPZ6

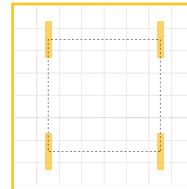
Hi-Rack Reflector

1 or 2 x 28/36/54W
1 or 2 x 35/49/58/80W
1 or 2 x 70W

TPH4
TPH5
TPH6

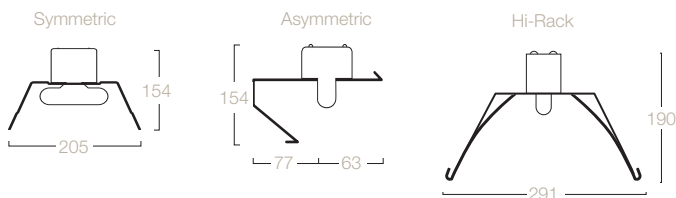
Performance Guide

Lamps Illuminance Spacing
2 x 28W T5 360 lux 3.0m x 3.0m
Symmetric reflector

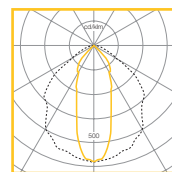


Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
6m
Working Plane:
0.8m

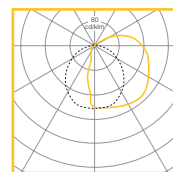
Dimensions



Photometric Performance



1 x 58W T8
Hi-Rack Reflector
• LOR = 89%



1 x 36W T8
Asymmetric
Reflector
• LOR = 77%

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.61	0.84	0.90

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.58	0.77	0.82

trimpak attachments

– prismatic diffusers

T5 and T8 fluorescent
batten attachments

- Polycarbonate diffuser complete with end caps – TP(a) fire retardant prismatic
- Acrylic diffuser complete with end caps – reeded sides and prismatic base
- Narrow diffuser – single lamp Trimpak
- Wide diffuser – single or twin lamp Trimpak

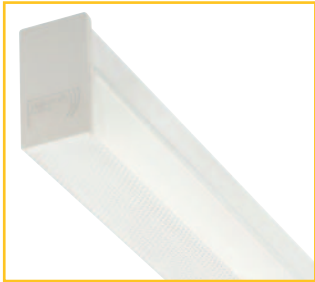
Order Codes

Polycarbonate Prismatic

1 x 28/36/54W	TPCSP4
1 x 35/49/58/80W	TPCSP5
1 x 70W	TPCSP6
1 or 2 x 28/36/54W	TPCTP4
1 or 2 x 35/49/58/80W	TPCTP5
1 or 2 x 70W	TPCTP6

Acrylic Prismatic

1 x 28/36/54W	TPCSA4
1 x 35/49/58/80W	TPCSA5
1 x 70W	TPCSA6
1 or 2 x 28/36/54W	TPCTA4
1 or 2 x 35/49/58/80W	TPCTA5
1 or 2 x 70W	TPCTA6



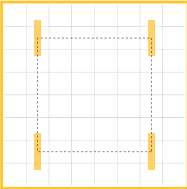
Narrow Diffuser



Wide Diffuser

Performance Guide

Lamps	Illuminance	Spacing
2 x 28W T5	350 lux	3.0m x 3.0m
Acrylic diffuser		



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
6m
Working Plane:
0.0m

Photometric Performance



1 x 35W T5
Acrylic Diffuser
• LOR = 90%

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.57	0.83	0.91

Dimensions

Prismatic diffusers





Optics

- Lumen output options:
 - 2250 lumens (23W)
 - 2850 lumens (29W)
 - 3800 lumens (36W)
 - 4400 lumens (44W)
 - 5500 lumens (55W)
 - 7400 lumens (73W)
- 4000K
- High impact polycarbonate injection moulded diffuser

Body

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

Order Codes

ACF DuraLED	Fixed Output	3 hr Emergency
2250 lumens (23W)	ALH114K	ALH114KEM
2850 lumens (29W)	ALH124K	ALH124KEM
3800 lumens (36W)	ALH134K	ALH134KEM
4400 lumens (44W)	ALH254K	ALH254KEM
5500 lumens (55W)	ALH264K	ALH264KEM
7400 lumens (73W)	ALH274K	ALH274KEM

Accessories

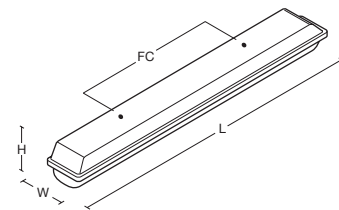
HOOK SUSPENSION KIT	ACFHOOKKIT
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Options

DALI DIMMING	Replace H with Y	i.e. ALY114KEM
COMEPS	Add suffix /EP	i.e. ALH114K/EP



Dimensions



Version	L	W	H	FC	KG	KG ²
2250/3800 lumen	1275	100	103	840	3.4	4.4
4400/7400 lumen	1275	170	103	840	5.0	6.0
2850 lumen	1575	100	103	1140	4.0	5.0
5500 lumen	1575	170	103	1140	5.8	6.8

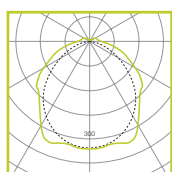
LED Performance

Colour Temp 4000K	Ra (CRI) ≥ 80	Life Expectancy L ₇₀ (50,000hrs)	Colour Consistency MacAdam 3.5 SDCM
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Equivalent Lamp Types

4400 Lumen Output	
T5 lamp	2 x 28W
7400 Lumen Output	
T5 lamp	2 x 54W

Photometric Performance



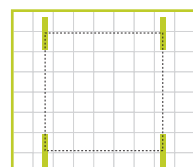
44W LED 4000k
4429 lumens
• LOR = 100%
• SHR MAX = 1.59

Utilisation Factors UF(F)

Room Reflectance	Room Index			
C	W	F	1.00	3.00
0.70	0.50	0.20	0.67	0.94
			1.00	

Performance Guide

Lamps	Illuminance	Spacing
44W LED	269 lux	3.5m x 3.5m



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

To Specify

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





Optics

- Lamp options:
 - 1 or 2 x 28/35/49/54W T5
 - 1 or 2 x 36/58W T8
- Diffusers high impact polycarbonate injection moulded with linear prisms

Body

- IP65
- GRP body finished light grey
- Tough and corrosion resistant
- Surface mounted with cable or conduit entry
- Suitable for exterior or high humidity areas, under a canopy or covered environment, but not in direct sunlight or open areas exposed to adverse weather conditions. Not for installation in an environment liable to produce standing water on the fitting or IP glands
- Suitable for a wide range of ambient temperatures:
 - T5, -5°C to 25°C
 - T8, -15°C to 25°C
- Plastic toggle clip lock mechanism
- Optional stainless steel tamper resistant clips
- Optional Command 5 microwave sensor available mounted behind the diffuser

ACF duralite

**IP65 anti-corrosive luminaire
for tough environments**

Order Codes

ACF Duralite	HF Gear	3 hr Emergency
T5 1 x 28W	ACFH128P	ACFH128PEM
T5 1 x 54W	ACFH154P	ACFH154PEM
T5 1 x 35W	ACFH135P	ACFH135PEM
T5 1 x 49W	ACFH149P	ACFH149PEM
T5 2 x 28W	ACFH228P	ACFH228PEM
T5 2 x 54W	ACFH254P	ACFH254PEM
T5 2 x 35W	ACFH235P	ACFH235PEM
T5 2 x 49W	ACFH249P	ACFH249PEM
T8 1 x 36W	ACFH136P	ACFH136PEM
T8 1 x 58W	ACFH158P	ACFH158PEM
T8 2 x 36W	ACFH236P	ACFH236PEM
T8 2 x 58W	ACFH258P	ACFH258PEM

Note: Self contained emergency versions may not deliver the designed output at temperatures below 15°C

Options

DALI DIMMING	Replace H with Y	i.e. ACFY154P
SWITCH DIMMING	Replace H with X	i.e. ACFX154P
COMMAND 5*	Add Q5 after ACF	i.e. ACFQ5H228
EASYTEST	Add suffix /ET	i.e. ACFH154P/ET
COMEPS	Add suffix /EP	i.e. ACFH154P/EP
COMET	Add suffix /CT	i.e. ACFH154P/CT

Spare plastic securing clip (quantity of 10)

ACFTOG

Lockable stainless steel securing clip (quantity of 10)

ACFCLIP

Hook suspension kit

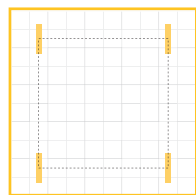
ACFHOOKKIT

*Only available with T5 twin lamp products and HF gear



Performance Guide

Lamps	Illuminance	Spacing
2 x 35W T5	250 lux	4.0m x 4.0m



Maintenance:

0.8

Reflectance:

70/50/20

Ceiling Height:

6m

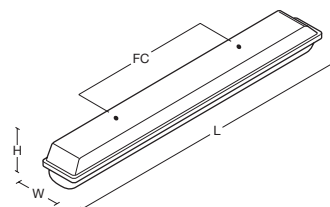
Working Plane:

0.0m

Lamp Performance

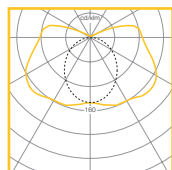
Wattage	IL@25°C	Lamp Life
1 x 28W T5	2625	20,000hrs
1 x 35W T5	3325	20,000hrs
1 x 49W T5	4375	20,000hrs
1 x 54W T5	4450	20,000hrs
1 x 36W T8	3350	19,000hrs
1 x 58W T8	5240	19,000hrs

Dimensions

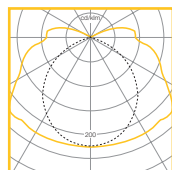


Version	L	W	H	FC	KG	KG
1 x 28/36/54W	1275	100	103	840	2.5	3.5
2 x 28/36/54W	1275	170	103	840	5.0	6.0
1 x 35/49/58W	1575	100	103	1140	3.5	4.5
2 x 35/49/58W	1575	170	103	1140	7.0	8.0

Photometric Performance



1 x 35W T5
• LOR = 85%
• SHR MAX = 2.02



2 x 35W T5
• LOR = 87.1%
• SHR MAX = 1.89

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.49 0.71 0.78

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.57 0.83 0.91

To Specify

IP65 fluorescent T5 or T8 anti-corrosive luminaire with GRP body, polycarbonate diffuser, removable gear tray on safety straps and one piece seamless gasket for increased life and protection – as Whitecroft Lighting ACF DURALITE



Optics

- Lamp options:
 - 1 or 2 x 36/58W T8

Body

- GRP with polycarbonate diffuser and stainless steel retaining clips
- Two M8 clearance holes on rear of body. Washers provided for sealing to IP54 minimum
- Type of protection: Ex nA non-sparking
- Area classification: Zone 2 areas to EN 60079-14
- Apparatus standard: EN 60079-15
- Certificate: BASEEFA Ex 95Y4016
- Coding: nA11
- IP65

Order Codes

ACFDN	T Class	Ta °C	Body	
T8 1 x 36W	T4	40	Single	ACFDN14HP
T8 2 x 36W	T4	45	Twin	ACFDN24HP
T8 1 x 58W	T4	30	Single	ACFDN15HP
T8 2 x 58W	T4	35	Twin	ACFDN25HP

ACFDN 3 hr Emergency	T Class	Ta °C	Body	
T8 1 x 36W	T4	35	Twin	ACFDN14HPEMIN
T8 2 x 36W	T4	35	Twin	ACFDN24HPEMIN
T8 1 x 58W	T4	35	Twin	ACFDN15HPEMIN
T8 2 x 58W	150°C (T3)	30	Twin	ACFDN25HPEMIN

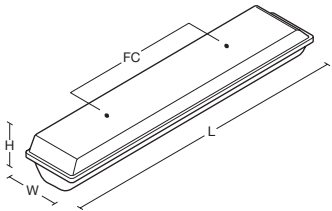
Options

Stainless steel hook suspension set	ACF3HS
Stainless steel diffuser clips and screw set	A70.981.907



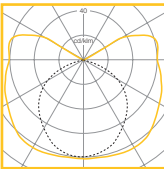
Single lamp

Dimensions

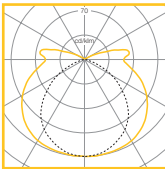


Version	L	W	H	FC	KG	KG
1 x 36W	1271	108	105	800	3.3	4.9
2 x 36W	1293	178	123	800	4.8	6.4
1 x 58W	1571	108	105	1100	4.3	5.9
2 x 58W	1593	178	123	1100	6.5	7.5

Photometric Performance



1 x 58W T8
• LOR = 68.4%
• SHR MAX = 1.88



2 x 58W T8
• LOR = 68.9%
• SHR MAX = 1.79

Utilisation Factors UF(F)

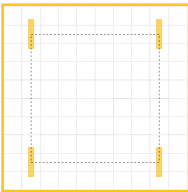
Room Reflectance		Room Index	
C	W	F	
0.70	0.50	0.20	0.48 0.73 0.80

Utilisation Factors UF(F)

Room Reflectance		Room Index	
C	W	F	
0.70	0.50	0.20	0.47 0.68 0.74

Performance Guide

Lamps	Illuminance	Spacing
2 x 36W T8	200 lux	4.0m x 4.0m



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
6m
Working Plane:
0.0m

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 36W T8	3350	19,000hrs
1 x 58W T8	5240	19,000hrs

To Specify

IP65 anti-corrosive luminaire for zone 2 hazardous areas – as Whitecroft Lighting ACFDN

comfort surface

performance
fluorescent luminaire



Optics

- Lamp options:
 - 1 or 2 x 28/35/54W T5
- Wedge blade specular louvre

Body

- Steel body finished white
- Injection moulded end caps to match body colour
- BESA fixing to rear

Order Codes

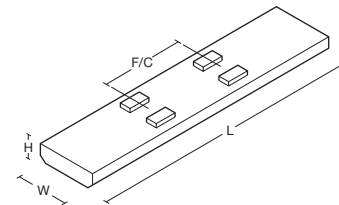
Comfort Surface	HF Gear	3 hr Emergency
T5 1 x 28W	CS128HW	CS128HWEMIN
T5 1 x 54W	CS154HW	CS154HWEMIN
T5 1 x 35W	CS135HW	CS135HWEMIN
T5 2 x 28W	CS228HW	CS228HWEMIN
T5 2 x 54W	CS254HW	CS254HWEMIN
T5 2 x 35W	CS235HW	CS235HWEMIN

Options

DALI DIMMING	Replace H with Y	i.e. CS128YW
SWITCH DIMMING	Replace H with X	i.e. CS128XW
COMMAND 4	Replace H with Q4Y	i.e. CS128Q4YW
COMMAND 3	Replace H with Q3Y	i.e. CS128Q3YW
EASYTEST	Add suffix /ET	i.e. CS128HW/ET
COMEPS	Add suffix /EP	i.e. CS128HW/EP
COMET	Add suffix /CT	i.e. CS128HW/CT

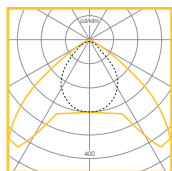


Dimensions



Version	L	W	H	F/C	KG	KG
28/54W	1199	235	67	1040 x 142	5.5	6.5
35W	1499	235	67	1340 x 142	6.5	7.5

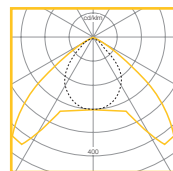
Photometric Performance



- 1 x 35W T5
- LOR = 53%
- SHR MAX = 1.14

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.40	0.54	0.57



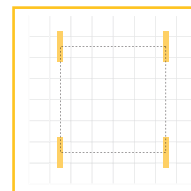
- 2 x 35W T5
- LOR = 53%
- SHR MAX = 1.18

Utilisation Factors UF(F)

Example 1 Factors of R_p					
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.38	0.46	0.57

Performance Guide

Lamps	Illuminance	Spacing
2 x 54W T5	500 lux	3.0m x 3.0m



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

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 54W T5	4450	24,000hrs

To Specify

Surface slimline rigid steel bodied Cat 2 luminaire < 67mm overall depth. Colour matched body and end caps. Positively retained louvre – as Whitecroft Lighting COMFORT SURFACE

Optics

- Lumen output options:
 - 2100 lumens (23W)
 - 2700 lumens (29W)
 - 3600 lumens (36W)
 - 4200 lumens (44W)
 - 5200 lumens (55W)
 - 7000 lumens (73W)
- Co-extruded reeded polycarbonate diffuser with translucent centre section and precision linear prisms to minimise glare from all viewing angles
- 4000K

Body

- Steel body finished white
- IP40 construction when fully assembled
- BESA fixings to the rear
- Screw retained polycarbonate end caps
- Diffuser retained along full body length by rolled body profile



Order Codes

Stiletto LED	Fixed Output	3 hr Emergency
2100 lumens (23W)	STLLH114K	STLLH114KEM
2700 lumens (29W)	STLLH124K	STLLH124KEM
3600 lumens (36W)	STLLH134K	STLLH134KEM
4200 lumens (44W)	STLLH154K	STLLH154KEM
5200 lumens (55W)	STLLH164K	STLLH164KEM
7000 lumens (73W)	STLLH174K	STLLH174KEM

Options

DALI DIMMING	Replace H with Y	i.e. STLLY114KEM
COMEPS	Add suffix /EP	i.e. STLLH114K/EP

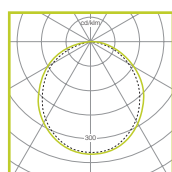
LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	≥ 80	L ₇₀ (50,000hrs)	MacAdam 3.5 SDCM

Equivalent Lamp Types

2700 Lumen Output	
T5 lamp	1 x 35W
5200 Lumen Output	
T5 lamp	2 x 35W

Photometric Performance



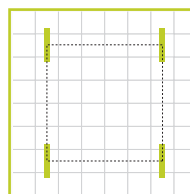
36W 4K
3600 lumens
• LOR = 100%
• SHR MAX = 1.59

Utilisation Factors UF(F)

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

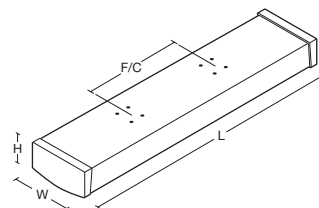
Performance Guide

Lamps	Illuminance	Spacing
55W LED	500 lux	3.0m x 3.0m



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

Dimensions



Version	L	W	H	F/C	KG	KG
2100/3600/ 4200/7000	1207	145	72.5	610	5.0	6.0
2700/5200	1507	145	72.5	610	5.5	6.5

To Specify

Surface mounted IP40, steel bodied, LED luminaire with polycarbonate diffuser, reeded sides and diffuser base, retained along full length by rolled body profile – as Whitecroft Lighting STILETTO LED

stiletto five

T5 diffuser
luminaire



Optics

- Lamp options:
 - 1 or 2 x 28/35/49W T5
 - 1 x 54W T5
- Co-extruded reeded polycarbonate diffuser with translucent centre section and precision linear prisms to minimise glare from all viewing angles

Body

- Steel body finished white
- IP40 construction when fully assembled
- BESA fixings to the rear
- Screw retained polycarbonate end caps
- Diffuser retained along full body length by rolled body profile
- Command 6 sensor available mounted on the end of the luminaire



COM6 Sensor

Order Codes

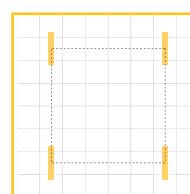
Stiletto Five	HF Gear	3 hr Emergency
T5 1 x 28W	STLH128	STLH128EMIN
T5 1 x 35W	STLH135	STLH135EMIN
T5 1 x 49W	STLH149	STLH149EMIN
T5 1 x 54W	STLH154	STLH154EMIN
T5 2 x 28W	STLH228	STLH228EMIN
T5 2 x 35W	STLH235	STLH235EMIN
T5 2 x 49W	STLH249	STLH249EMIN

Options

DALI DIMMING	Replace H with Y	i.e. STLY128
SWITCH DIMMING	Replace H with X	i.e. STLX128
COMMAND 6	Add Q6 before H	i.e. STL Q6 H128
COMMAND 6 DALI	Replace H with Q6Y	i.e. STL Q6Y 128
EASYTEST	Add suffix /ET	i.e. STLH128/ ET
COMEPS	Add suffix /EP	i.e. STLH128/ EP
COMET	Add suffix /CT	i.e. STLH128/ CT

Performance Guide

Lamps	Illuminance	Spacing
2 x 35W T5	500 lux	3.0m x 3.0m

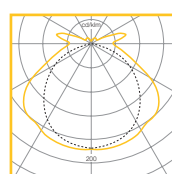


Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.8m

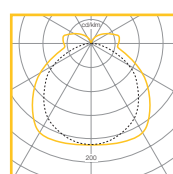
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 49W T5	4375	24,000hrs
1 x 54W T5	4450	24,000hrs

Photometric Performance



1 x 49W T5
• LOR = 83.1%
• SHR MAX = 1.75



2 x 49W T5
• LOR = 85.0%
• SHR MAX = 1.80

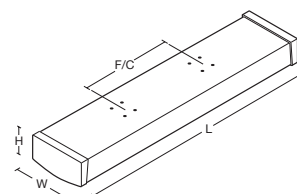
Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.54 0.75 0.82

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.55 0.76 0.83

Dimensions



Version	L	W	H	F/C	KG	KG
28/54W	1207	145	72.5	610	2.2	3.2
35/49W	1507	145	72.5	610	2.8	3.8

To Specify

Surface mounted IP40, steel bodied, fluorescent luminaire with polycarbonate diffuser, reeded sides and diffuser base, retained along full length by rolled body profile – as Whitecroft Lighting STILETTO FIVE



Optics

- Lamp options:
– 4 or 6 x 55W TC-L
- Specular MIRO 4 reflectors
- Separately switched inner and outer lamps to provide three different lighting levels on the 6 lamp luminaire and two levels for the 4 lamp

Body

- Resilient steel body finished white
- High frequency gear housed in separate side pods, with a thermal barrier from the lamp housing, enables operation at an ambient temperature up to 35°C
- Punched steel cover guard prevents damage from projectiles and is designed to stop shuttlecocks becoming trapped
- Cover is hinged, opening fully for complete access to gear and lamps from below
- Lockable lamp holders and clipsprings ensure lamps remain in place after impact by a ball
- Suitable for surface, suspended or trunking mounting



Order Codes

Serve	HF Gear	3 hr Emergency
TC-L 4 x 55W	SLBH455G	SLBH455GEMIN
TC-L 6 x 55W	SLBH655G	SLBH655GEMIN

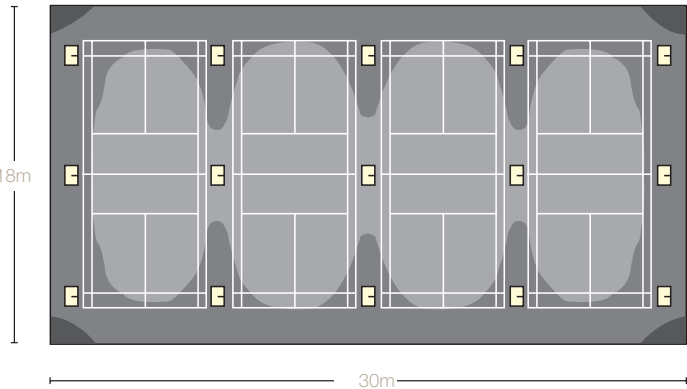
Options

DALI DIMMING	Replace H with Y	i.e. SLBY455G
COMEPS	Add suffix /EP	i.e. SLBH455G/EP
EASYTEST	Add suffix /ET	i.e. SLBH455G/ET
COMET	Add suffix /CT	i.e. SLBH455G/CT



Performance Guide

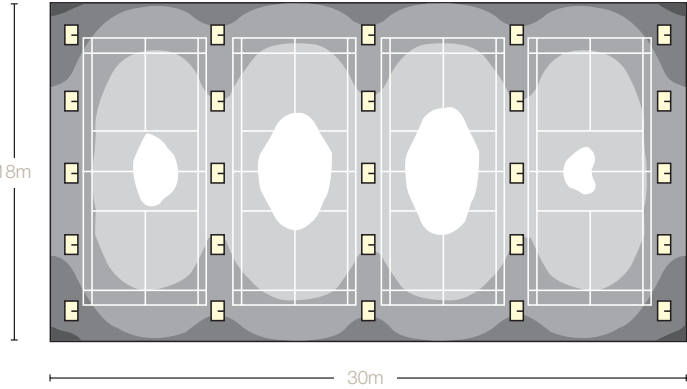
15 Luminaire configuration – Serve 6 x 55W



Average Illuminance: 300 lux

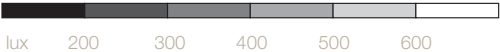
Mounting Height: 7.6m

25 Luminaire configuration - Serve 6 x 55W

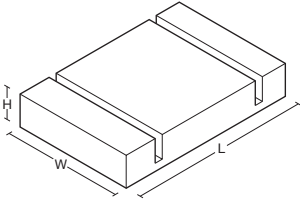


Average Illuminance: 500 lux

Mounting Height: 7.6m

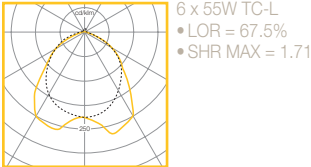


Dimensions



Version	L	W	H	KG	KG
4/6 Lamp	900	600	100	13.1	14.1

Photometric Performance



Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.46	0.66	0.71

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 55W TC-L	4800	20,000hrs

To Specify

4 or 6 x 55W TC-L separately switched fluorescent sports hall luminaire with steel body, hinged steel cover guard with punched grid, MIRO 4 reflectors and lockable lamp holders, with high frequency gear housed in separate pods enabling operation in ambient temperatures up to 35°C – as Whitecroft Lighting SERVE



Optics

- Lamps options:
 - 1 or 2 x 28/35/49/54W T5
- Diffuser in 3mm thick moulded textured polycarbonate meeting HM Prisons specification and achieving an IK rating of 9 (IP559) for impact resistance
- Diffuser edges fully concealed, fully gasketed and retained by 6 x M5 hex pin anti-tamper fixings

Body

- IP55 rated steel body finished white. Corners fully welded and finished smooth with a flat back for mounting tight to the ceiling to meet anti-ligature requirements
- Fully removable gear tray with retention cords for easy maintenance



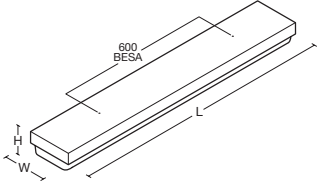
Order Codes

Strike	HF Gear	3 hr Emergency
T5 1 x 28W	STRH128	STRH128EMIN
T5 2 x 28W	STRH228	STRH228EMIN
T5 1 x 35W	STRH135	STRH135EMIN
T5 2 x 35W	STRH235	STRH235EMIN
T5 1 x 49W	STRH149	STRH149EMIN
T5 2 x 49W	STRH249	STRH249EMIN
T5 1 x 54W	STRH154	STRH154EMIN
T5 2 x 54W	STRH254	STRH254EMIN

Options

DALI DIMMING	Replace H with Y	i.e. STRY128
SWITCH DIMMING	Replace H with X	i.e. STRX128
EASYTEST	Add suffix /ET	i.e. STRH128/ET
COMEPS	Add suffix /EP	i.e. STRH128/EP
COMET	Add suffix /CT	i.e. STRH128/CT
Special tool required for access and fixing		
HAL-KEY		

Dimensions



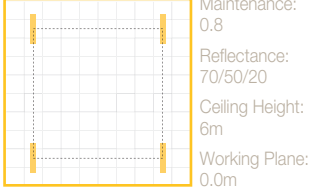
Version	L	W	H	KG	KG/m²
28/54W	1315	215	103	7.5	8.5
35/49W	1615	215	103	8.5	9.5

Performance Guide

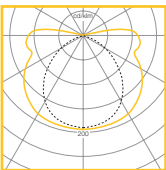
Lamps	Illuminance	Spacing
2 x 35W T5	270 lux	4.0m x 4.0m

Lamp Performance

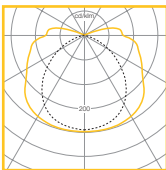
Wattage	IL@25°C	Lamp Life
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 49W T5	4375	24,000hrs
1 x 54W T5	4450	24,000hrs



Photometric Performance



1 x 35W T5
• LOR = 88%
• SHR MAX = 1.75



2 x 35W T5
• LOR = 87.3%
• SHR MAX = 1.78

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.54 0.77 0.84

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.54 0.77 0.85

To Specify

IP559 anti vandal luminaire with fully welded body and flat back to meet anti-ligature requirements. 3mm thick moulded textured polycarbonate diffuser to HM Prisons specification, edges fully concealed and gasketed and gripped at all points by a 1.2mm zintec steel retention pan secured by 6 anti-tamper fixings. Fully removable gear and lamp tray incorporating 3 hour integral emergency when required – as Whitecroft Lighting STRIKE



Optics

- Lamp options:
 - 1 x 45/49W, 50/54W T5 ECO/T5
 - 2 x 25/28W, 32/35W T5 ECO/T5
- Cylindrical polycarbonate diffuser guarantees even light dispersion and fades out the shape of the lamp

Body

- IP40 as standard
- Surface mounted
- When suspended a cable entry block enables discreet cable entry from above (supplied separately)
- Extruded aluminium trunking
- 7 pole through wiring as standard
- Tool-free installation
- Quick Connect system for simple and rapid installation and reduction in labour costs
- Trunking infills in either 500mm or 1000mm
- Range of compulsory trunking covers (supplied separately)
- Trunking covers with integral PIR presence detector and photocell available* (supplied separately)
- Also available in Surface section. See page 120
- For integral sensor options all luminaires to be controlled must be DALI

* One Master Luminaire must be used in conjunction with the Integral Sensor.



Through Wiring



Trunking cover with integral sensor



Quick connect system

inspiration

Order Codes

Trunking

2000mm start of row
2000mm middle/end of row

Luminaire

T5 ECO/T5 1 x 45/49W
T5 ECO/T5 1 x 50/54W
T5 ECO/T5 2 x 25/28W
T5 ECO/T5 2 x 32/35W

HF Gear

INSH149W
INSH154W
INSH228W
INSH235W

3 hr Emergency

INSH149WEM
INSH154WEM
INSH228WEM
INSH235WEM

Accessories

Trunking Infills

500mm infill
1000mm infill

Trunking Cover for Start of Row

35/49W Cover
28/54W Cover

Trunking Cover for system without Infills

35/49W Cover
28/54W Cover

Trunking Cover for 500mm Infills

35/49W Cover
28/54W Cover

Trunking Cover for 1000mm Infills

35/49W Cover
28/54W Cover

Trunking Cover for cable entry block

35/49W Cover
28/54W Cover

Components

TRUNKING END CAPS
CABLE ENTRY FROM ABOVE
SURFACE MOUNTING KIT

INSECW
INSABCAB
ITRBSURF

Options

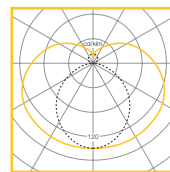
DALI DIMMING Replace H with Y i.e. INSY149W
EASYTEST Add suffix /ET i.e. INSH149W/ET
COMEPS** Add suffix /EP i.e. INSH149W/EP
MASTER LUMINAIRE*** Add suffix /MAST INSY149W/MAST
(One Master Luminaire must be used when incorporating integrated sensor cover)
INTEGRAL SENSOR WITHIN TRUNKING COVER
Add suffix /SEN INSCOV460W/SEN

Note:

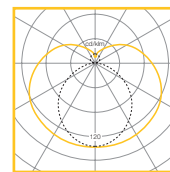
**DALI dimming combined with COMECS is only available in conjunction with Whitecroft Command Elite DALI addressable system. Please consult our Technical Desk.

***Master Luminaires must be DALI. EM not available in Master Luminaires.

Photometric Performance



1 x 35W T5
• LOR = 82.5%
• SHR MAX = 1.84



2 x 35W T5
• LOR = 77.8%
• SHR MAX = 1.82

Utilisation Factors UF(F)

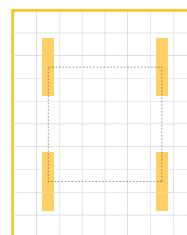
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.45	0.67	0.74

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.43	0.63	0.70

Performance Guide

Lamps	Illuminance	Spacing
2 x 35W T5	361 lux	3.0m x 3.0m

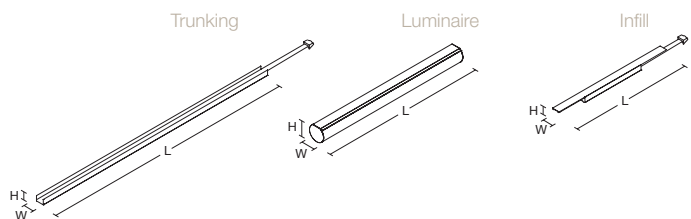


Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 2.7m
Working Plane: 0.75m

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 25W T5 ECO	2450	24,000hrs
1 x 32W T5 ECO	3100	24,000hrs
1 x 45W T5 ECO	4100	24,000hrs
1 x 50W T5 ECO	4400	24,000hrs
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 49W T5	4375	24,000hrs
1 x 54W T5	4450	24,000hrs

Dimensions



Version	L	W	H	KG	KG
Starter Trunking	2000	61	47	3.9	N/A
Middle Trunking	2000	61	47	3.9	N/A
500mm Infill	500	61	47	1.0	N/A
1000mm Infill	1000	61	47	2.0	N/A
28/54W Luminaire	1246	125	118	2.2	2.7
35/49W Luminaire	1546	125	118	3.3	3.7
Cable entry from above	100	61	47	0.7	N/A

To Specify

Surface or suspended T5 fluorescent lighting system with polycarbonatecircular diffuser and quick connect system for ease and of installation, maximum efficiency and tool free installation – as Whitecroft Lighting INSPIRATION