



Optics

- Lamp options:
 - 1 or 2 x 28/35/49/54/80 T5
- Two optical options:
 - Louvre - Single cell louvre with satin matt metallised aluminium side and cross blades
 - Diffuser – Quadraprism optic provides all-round glare control and maximum efficiency
- Choice of light output ratios:
 - 50% down and 50% up
 - 80% down and 20% up

Body

- Individual or continuous in-line mounting
- Luminaires supplied through-wired as standard
- Sheet steel body finished in white or silver
- Injection moulded colour coded polycarbonate end caps
- Wire suspension kit to be ordered separately
- For continuous installations, continuous couplers to be ordered separately
- Infill options available from 300 – 1200mm
- Options include Command 4 sensor mounted in with the louvre or quadraprism
- Re-lamping is performed from above without removing the louvre or quadraprism





Order Codes

Penna	HF Gear	3 hr Emergency
T5 1 x 28W	PNAWH128##S	PNAWH128##SEM
T5 1 x 35W	PNAWH135##S	PNAWH135##SEM
T5 1 x 49W	PNAWH149##S	PNAWH149##SEM
T5 1 x 54W	PNAWH154##S	PNAWH154##SEM
T5 1 x 80W	PNAWH180##S	PNAWH180##SEM
T5 2 x 28W	PNAWH228##S	PNAWH228##SEM
T5 2 x 35W	PNAWH235##S	PNAWH235##SEM
T5 2 x 49W	PNAWH249##S	PNAWH249##SEM
T5 2 x 54W	PNAWH254##S	PNAWH254##SEM
T5 2 x 80W	PNAWH280##S	PNAWH280##SEM

Accessories

Wire Suspension Kit*	PNASUSKIT
End Caps in Silver (Pair)	PNAECS
100mm Continuous Coupler in Silver****	PNACCS
300mm Infill in Silver**	PNAINF300S
600mm Infill in Silver	PNAINF600S
900mm Infill in Silver	PNAINF900S
1200mm Infill in Silver	PNAINF1200S
Dust Cover 28/54W***	PNADC4
Dust Cover 35/49W***	PNADC5

Output Variants

50% UP 50% DOWN	Replace ## with 50	i.e. PNAWH235 50 S
20% UP 80%**** DOWN	Replace ## with 80	i.e. PNAWH235 80 S

Options

DALI/SWITCH DIMMING	Replace H with Y	i.e. PNAW Y 23550S
QUADRAPRISM	Replace W with M	i.e. PNAMH23550S
COMMAND 4	Replace H with Q4Y	i.e. PNAW Q4Y H23550S
EASYTEST	Add suffix /ET	i.e. PNAWH23550S/ ET
COMEPS	Add suffix /EP	i.e. PNAWH23550S/ EP
WHITE FINISH	Replace S with W	i.e. PNAWH23550 W

* For stand-alone luminaires, two wire suspension kits must be ordered per luminaire. For continuous mounting, one suspension kit per coupler plus one for each end of row

** Each infill requires 2 continuous couplers, adding 200mm to the infill length

*** Supplied as standard with micro prism option, not suitable for 80W lamp packages

**** 20% up and 80% down output not available with Quadraprism

*****For continuous mounting each joint requires a coupler



Quadraprism Diffuser



Continuous Mounting Kit



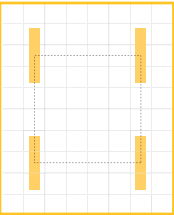
Command 4 Integration



Wire Suspension Kit

Performance Guide

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

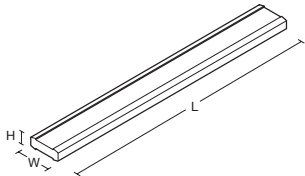


Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.8m

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
1 X 80W T5	6550	24,000hrs

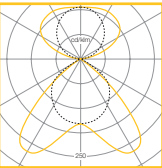
Dimensions



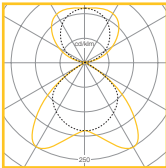
Version	L	W	H	KG	KG
1 or 2 x 28/54W	1293	140	56	2.7	3.2
1 or 2 x 35/49/80W	1593	140	56	2.9	3.5
300mm infill	500	140	56	0.6	-
600mm infill	800	140	56	1.2	-
900mm infill	1100	140	56	1.8	-
1200mm infill	1400	140	56	2.4	-

Each infill requires 2 continuous couplers, adding 200mm to the infill length

Photometric Performance



1 x 35W T5
Louvre
• LOR = 97.3%



2 x 35W T5
Louvre
• LOR = 94.7 %

To specify

Suspended architectural T5 luminaire with direct: indirect lighting ratios 50:50 or 80:20. Body to be of sheet steal with end caps colour coded with the luminaire body, supplied complete with through wiring provision – as Whitecroft Lighting PENNA