

Vapour Proof Fluorescent Range	96-97
Discharge Lowbay Lighting	98
Fluorescent Low & High Bay Luminaires	99-101
Discharge Highbay Luminaires	102



IP65 SURFACE FLUORESCENT LUMINAIRES

T5 & T8 POLY/POLY DUSTPROOF

A complete range of dustproof surface mounted luminaires suitable for dusty and wet environments, with polycarbonate diffuser and base as standard.



IP65



T8 POLY/POLY DUSTPROOF

Part No.	Description	Code	
High Frequency Single			
IND382118HF	1X18W 2ft	N/A	4126
IND384136HF	1X36W 4ft	4318	4128
IND385158HF	1X58W 5ft	4320	4026
IND386170HF	1X70W 6ft	4322	4028
High Frequency Twin			
IND382218HF	2X18W 2ft	4300	4127
IND384236HF	2X36W 4ft	4319	4129
IND385258HF	2X58W 5ft	4321	4027
IND386270HF	2X70W 6ft	4323	4029
Switch Start Single			
IND382118	1X18W 2ft	4300	4126
IND384136	1X36W 4ft	4302	4128
IND385158	1X58W 5ft	4304	4026
IND386170	1X70W 6ft	4306	4028
Switch Start Twin			
IND382218	2X18W 2ft	N/A	4127
IND384236	2X36W 4ft	4303	4129
IND385258	2X58W 5ft	4305	4027
IND386270	2X70W 6ft	4307	4029



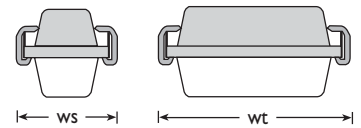
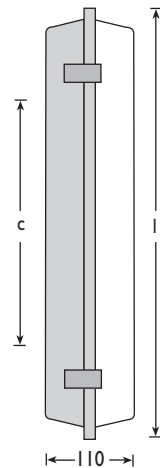
SPECIFICATION

- Requires lamps
- Suitable for a range of internal and external applications where light water jet or dust proofing is critical
- Tough and corrosion resistant polycarbonate body
- Polycarbonate diffusers are supplied as standard, protected to IP65
- Easy to install and maintain, fully removable gear tray with easy to operate quick release clips
- Further control gear options available including HF, dimmable, 110V and emergency versions

T5 POLY/POLY DUSTPROOF

Part No.	Description	Code	
2ft			
IND352114	1X14WT5 HE	N/A	5221
IND352214	2X14WT5 HE	5232	5231
IND352224	2X24WT5 HO	N/A	5231
4ft			
IND354128	1X28WT5 HE	5227	5226
IND354154	1X54WT5 HO	N/A	5226
IND354228	2X28WT5 HE	5237	5236
IND354254	2X54WT5 HO	N/A	5236
5ft			
IND355135	1X35WT5 HE	5229	5228
IND355149	1X49WT5 HO	5229	5228
IND355180	1X80WT5 HO	N/A	5228
IND355235	2X35WT5 HE	5239	5238
IND355249	2X49WT5 HO	5239	5238
IND355280	2X80WT5 HO	N/A	5238

Suffix:
 E3 = Integral 3 hour Maintained
 HFR = 1-10V Analogue Dimmable
 SD= Switch Dim
 DSI=Digital Dimming
 /110v = 110 Volt Gear
 Fixture Option
 /SS = Lockable Stainless Steel Clips



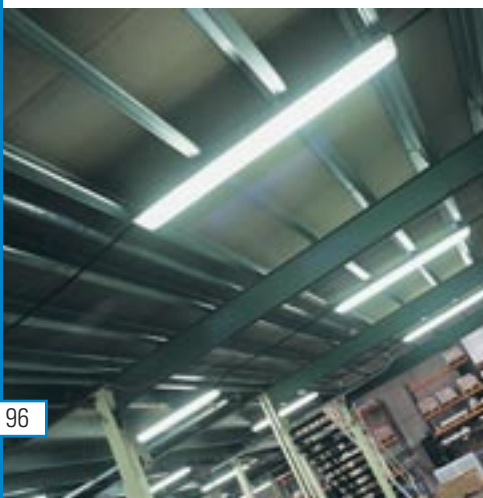
DIMENSION TABLE (mm):

	l	c	ws	wt
2ft	660	260	100	160
4ft	1270	870	100	160
5ft	1570	650/1170	100	160
6ft	1850	480/1440	100	160

IDEAL FOR

- Factories
- Workshops
- Stores
- Sports Halls
- Warehouses
- Green Houses
- Portable Buildings
- Under Canopies

■ IP65 recessed MODS see page 82





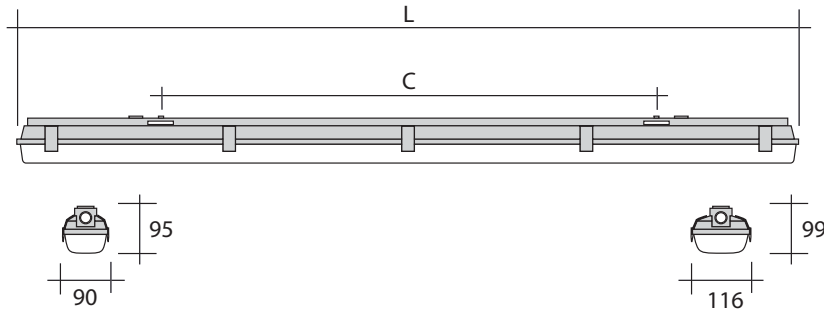
IP65

T5 & T8 GRP/POLY VAPOURPROOF

A complete range of weatherproof surface mounted luminaires with glass reinforced polyester base and polycarbonate diffusers.

SPECIFICATION

- Requires lamps
- Utilising an injection moulded impact resistant interior reeded polycarbonate diffuser with high light output securely fastened via a gasket to a glass reinforced polyester base
- IP65 dust tight and light jet proof for use in harsh environments
- Ideal for underground car parks, stations, garages and open exterior areas
- Top quality internal components ensure a long low maintenance service life
- Integral emergency versions are 3 hour maintained
- Diffuser is retained with plastic latches with the option of stainless steel tamper resistant clips available
- Acrylic diffusers available to order for specialist environments adverse to polycarbonate



DIMENSION TABLE (mm):

	l	c	ws	wt
2ft	669	366	90	116
4ft	1277	700	90	116
5ft	1577	1000	90	116
6ft	1841	1164	90	116

- For maximum service life when using outdoors, protect from direct sunlight and adverse weather conditions

LAMP GUIDE

See pages 143-145 for a comprehensive lamp guide



SECTOR

T8 GRP/POLY VAPOURPROOF

Part No.	Description	Code	
High Frequency Single			
SCP2118HF	1X18W 2ft	N/A	4126
SCP4136HF	1X36W 4ft	4318	4128
SCP5158HF	1X58W 5ft	4320	4026
SCP6170HF	1X70W 6ft	4322	4028
High Frequency Twin			
SCP2218HF	2X18W 2ft	N/A	4127
SCP4236HF	2X36W 4ft	4319	4129
SCP5258HF	2X58W 5ft	4321	4027
SCP6270HF	2X70W 6ft	4323	4029
Switch Start Single			
SCP2118	1X18W 2ft	N/A	4126
SCP4136	1X36W 4ft	4302	4128
SCP5158	1X58W 5ft	4304	4026
SCP6170	1X70W 6ft	4306	4028
Switch Start Twin			
SCP2218	2X18W 2ft	N/A	4126
SCP4236	2X36W 4ft	4302	4128
SCP5258	2X58W 5ft	4304	4026
SCP6270	2X70W 6ft	4306	4028

T5 GRP/POLY VAPOURPROOF

Part No.	Description	Code	
2ft			
SCP2114T5	1X14WT5 HE	N/A	5221
SCP2214T5	2X14WT5 HE	5232	5231
SCP2224T5	2X24WT5 HO	N/A	5231
4ft			
SCP4128T5	1X28WT5 HE	5227	5226
SCP4154T5	1X54WT5 HO	N/A	5226
SCP4228T5	2X28WT5 HE	5237	5236
SCP4254T5	2X54WT5 HO	5237	5236
5ft			
SCP5135T5	1X35WT5 HE	5229	5228
SCP5149T5	1X49WT5 HO	5229	5228
SCP5180T5	1X80WT5 HO	N/A	5228
SCP5235T5	2X35WT5 HE	5239	5238
SCP5249T5	2X49WT5 HO	5239	5238
SCP5280T5	2X80WT5 HO	N/A	5238

Suffix:

E3 = Integral 3 hour Maintained

HFR = 1-10V Analogue Dimmable

SD= Switch Dim

DSI=Digital Dimming

ACCESSORIES

Part No.	Description	Code
SCPWP2 BESAKIT	Besa Mount Brackets(2)	4034
SCPWP1 SS/VR	St/Steel Diffuser Clips	4030
SCPWP3 GTC	Gear Tray Locking Clip	4031
SCPWP4 SS/HANG	St/Steel Body Mount Bracket	4034

DISCHARGE LOWBAY LUMINAIRES



LOWBAY

A sophisticated, quality lowbay luminaire incorporating many outstanding features.



IP20

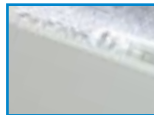
LOWBAY LUMINAIRE

Part No.	Description	Code
IND3701	150W SON-T GES	4381
IND3702	250W SON-T GES	4384
IND3703	400W SON-T GES	4387
IND3704	250W MBI-T GES	4385
IND3705	400W MBI-T GES	4388
IND3706	250W MBFU GES	4383
IND3707	400W MBFU GES	4386

Suffix:

- PS = 300W Halogen Pre-strike monitor & lamp
- HR = High Rack Reflector
- TI = Timed Ignitor

- Hammer finish aluminium reflector to increase light distribution and efficiency
- User friendly connection on hinged lamp/gear tray

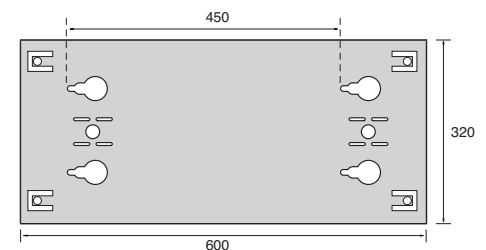
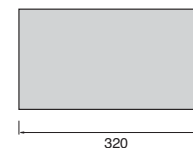
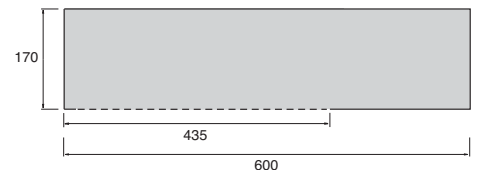


SPECIFICATION

- High output tubular MBI/SON lamps supplied as standard
- Optimum illumination and low operation costs
- Robust body design, powder coated for added protection
- Multi punched for alternative methods of fixing on site
- Available with all commonly used accessories
- Many attachments simply fitted on slide rail
- Halide version supplied with cover glass
- Made of 0.8mm steel with welded corners and high quality white powder coat
- Available with pre-strike for instant light when discharge lamps warm up
- Ideal for ceilings up to 6m

LOWBAY ACCESSORIES

Part No.	Description	Code
IND3700/PC	Polycarbonate Cover	4389
IND3700/GC	Soda Lime Glass Cover	4389
IND3700/WG	Wire Guard White	4389
IND3700/LV	Louvre White	4389



LAMP GUIDE

See pages 143-145 for a comprehensive lamp guide



- Twin beam emergency see page 129

TITAN TCL

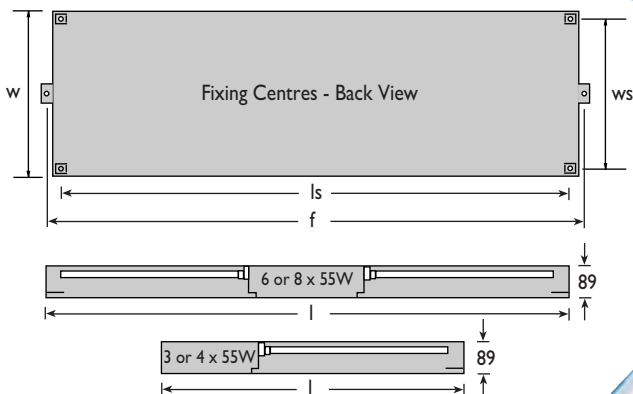
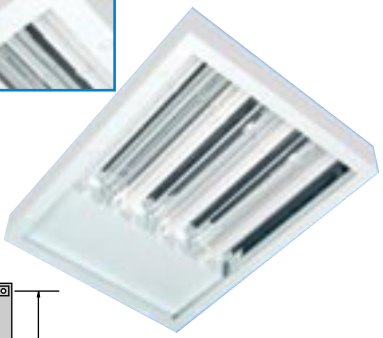
An innovative fluorescent luminaire that satisfies high and low bay applications. HF Gear providing instant start & high output CFLS giving long life which is important for difficult to access areas.



IP20/65

SPECIFICATION

- Requires TCL 55W 4 pin CFLS
- High frequency gear as standard
- An advanced new way to light large areas more efficiently and with greater control than ever before. Using instant start HF gear with compact fluorescent lamps and further possibilities using integral photocell and dimming options
- Specially designed for commercial and industrial mounting heights between 5 and 10 metres on chains, trunking or direct to the ceiling. Special brackets are supplied for direct mounting as reflector cannot be removed (see dimension f)
- Available in 4, 6 and 8 TCL 55W lamp versions, with a selection of control gear including high frequency as standard, dimming and double switching to order
- IP65 455 version suitable for dusty and wet environments. Polycarbonate or glass cover, must be specified on ordering



DIMENSION TABLE (mm):

	l	w	ls	ws	f
TTN455	826	614	786	574	876
TTN655	1460	464	1409	424	1510
TTN855	1506	614	1409	574	1556
TTN455IP65	826	614			

IDEAL FOR

- Factories
- Workshops
- Shop Floors
- Leisure
- Indoor Tennis Courts
- Warehouses
- Stores
- Sports Halls

■ Dimming guide see page 139

TITAN TCL IP20

Part No.	Description	Code
HF Gear		
TTN455	826x614 4x55w TCL	5191
TTN655	1460x464 6x55w TCL	5192
TTN855	1506x614 8x55w TCL	5192
HF Gear & Emergency		
TTN455E3	826x614 4x55w TCL	5193
TTN655E3	1460x464 6x55w TCL	5194
TTN855E3	1506x614 8x55w TCL	5194

TITAN TCL IP65

Part No.	Description	Code
Polycarbonate Cover		
TTN455IP65PC	826x614 4x55w TCL	5191
Glass Cover		
TTN455IP65GC	826x614 4x55w TCL	5191
CONTROL GEAR Variants - Suffix: E3 = Integral 3 hour Maintained HFR = 1-10V HF Analogue Dimmable SD(E) = Switch Dim Digital Dimming (ECO) DSI(E) = DSI Digital Dimming (ECO) DSI(X) = DALI Digital Addressable Lighting Interface		

TITAN DAYLIGHT DETECTION

Part No.	Description	Requires
TTNR5 HFR	Analogue daylight sensor kit (6.5m)	HFR GEAR
TTNR5 DSI	Digital daylight sensor kit (6.5m)	DSI(E) GEAR

TITAN PRESENCE DETECTION

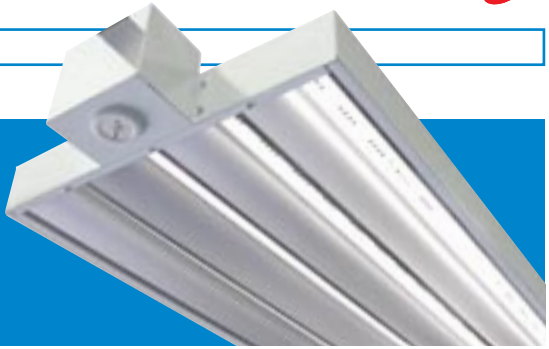
If movement and daylight detection linked to luminaires is desired then a site survey is required to ensure optimum performance and energy savings

TITAN ACCESSORIES

Part No.	Description
TTNPC4	Polycarbonate cover for 4 lamp
TTNPC6	Polycarbonate cover for 6 lamp
TTNPC8	Polycarbonate cover for 8 lamp
TTNWG4	Wire guard for 4 lamp
TTNWG6	Wire guard for 6 lamp
TTNWG8	Wire guard for 8 lamp



T5 FLUORESCENT HIGH/LOW BAY LUMINAIRE



TITAN T5

A range suitable for a wealth of industrial and retail settings, offering a hugely efficient and flexible alternative to 250/400w HID luminaires. The T5 lamps show far superior performance over longer periods of time and superior colour rendering over their HID equivalent.

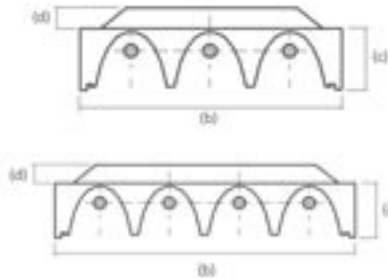


IP20

TITAN T5

Part No.	Description	Code
Three Lamp		
TTNT5 354	1200x400 3x54W HO	5195
TTNT5 380	1500x400 3x80W HO	5197
Four Lamp		
TTNT5 454	1200x600 4x54W HO	5196
TTNT5 480	1500x600 4x80W HO	5198

Suffix:
 CONTROL GEAR Variants -
 E3 = 3 hour integral emergency
 HFR = High Frequency Dimming (Analogue)
 SD(E) = Digital Dimming Switch Dim (ECO)
 DSI(E) = Digital Dimming DSI (ECO)
 DSI(X) = Digital Addressable Lighting Interface (DALI)
 Body Variants -
 PC = Polycarbonate Cover
 WG = White Wire Guard
 HR = Hi Rack Reflector
 (can be used with covers or guards)

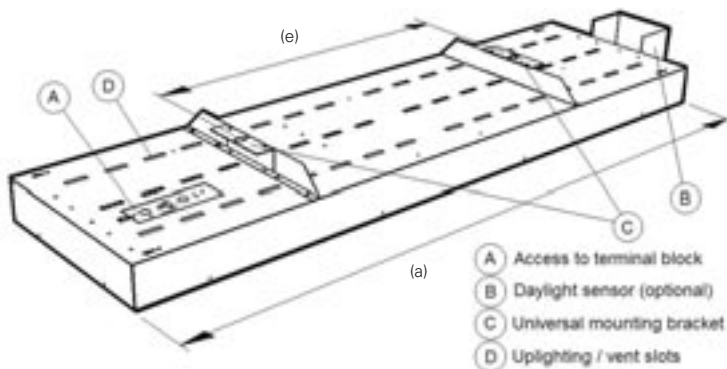


TITAN DAYLIGHT DETECTION

Part No.	Description	Requires
TTNR5 HFR	Analogue daylight sensor kit (6.5m)	HFR GEAR
TTNR5 DSI	Digital daylight sensor kit (6.5m)	DSI(E) GEAR

TITAN PRESENCE DETECTION

If movement and daylight detection linked to luminaires is desired then a site survey is required to ensure optimum performance and energy savings



SPECIFICATION

- The Titan T5 range has a universal mounting bracket enabling fitting by wire, rod or trunking. It also boasts rear access to the terminal block without disturbing the front of the luminaire.
- Along with offering an upright element, the slots on the rear of the luminaire also allow air to flow through the fitting. This airflow works continually to prevent dust from settling on the lamps, along with maintaining an optimum working temperature.
- The fully welded body is manufactured using high quality sheet steel, powder coated to a white (RAL 9016) finish. High specification European control gear and components, underline the quality of the Titan T5 luminaire. High Frequency control gear means all Titan T5 offer a flicker free operation.
- Control gear options range from high frequency to analogue and digital dimming. Integral 3 hour maintained emergency is available on certain fittings. This range is available in a 3 or 4 lamp standard and 3 lamp high rack configuration, with the option of either wire guard or polycarbonate panel if required. Reflectors are available in specular for high rack and semi-specular for standard.

DIMENSION TABLE (mm):

	a	b	c	d	e
Three Lamp					
TTNT5 354	1202	420	87	50	593
TTNT5 380	1505	420	87	50	763
Four Lamp					
TTNT5 454	1202	550	87	50	593
TTNT5 480	1505	550	87	50	763
High Rack					
TTNT5 380 HR	1505	605	87	50	763
TTNT5 480 HR	1505	550	87	50	763
TTNT5 354 HR	1202	605	87	50	593
TTNT5 454 HR	1202	550	87	50	763



IDEAL FOR

- Factories
- Workshops
- Shop Floors
- Leisure
- Indoor Tennis Courts
- Warehouses
- Stores
- Sports Halls

■ Sector proximity controllers see page 132



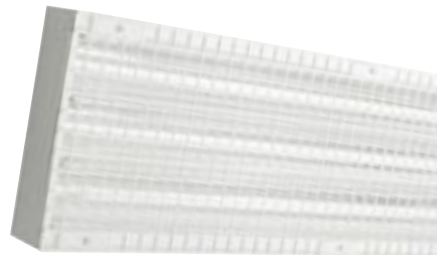
IP20

TITAN T5 SPORT

A linear T5 luminaire, ideal for indoor sport areas with a court or pitch and where high quality uniform light is required

SPECIFICATION

- Includes T5 colour 84 HE or HO tubes, HF gear and white wire guard as standard
- An advanced new way to light large sports and industrial areas with greater uniformity and flexibility than discharge lamps
- Specifically designed for mounting heights between 5 & 10m with a multi-punched body so luminaires can be surface mounted or suspended on chains or trunking
- Dimmable control gear available, enabling lighting designers to draft schemes for international, county or club level lighting projects while still maintaining uniformity of light
- Asymmetrical version is ideal for wall washing and areas where direct vertical glare is best avoided (such as the tennis service area)
- Symmetrical version designed for open plan areas requiring uniform general lighting



TITAN T5 SPORT ASYMMETRICAL

Part No.	Description	Code
3 Lamp High Output		
TTNT5A349WG	1500x305 3x49W T5 HO	5197
TTNT5A380WG	1500x305 3x80W T5 HO	5197
4 Lamp High Output		
TTNT5A449WG	1500x385 4x49W T5 HO	5198
TTNT5A480WG	1500x385 4x80W T5 HO	5198

TITAN T5 SPORT SYMMETRICAL

Part No.	Description	Code
3 Lamp High Output		
TTNT5S349WG	1500x315 3x49W T5 HO	5197
TTNT5S380WG	1500x315 3x80W T5 HO	5197
4 Lamp High Output		
TTNT5S449WG	1500x395 4x49W T5 HO	5198
TTNT5S480WG	1500x395 4x80W T5 HO	5198

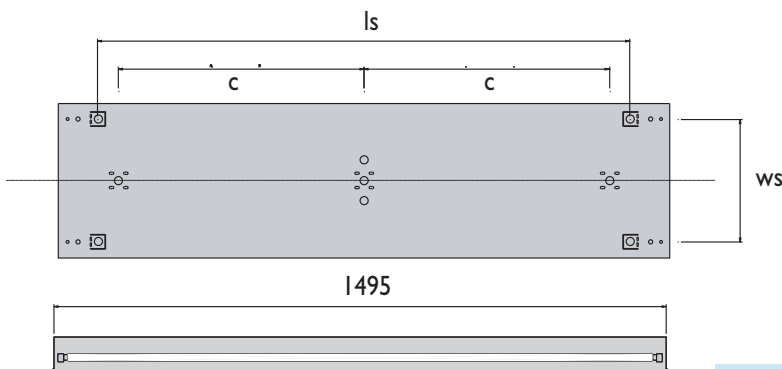
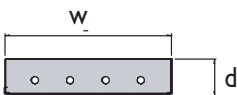
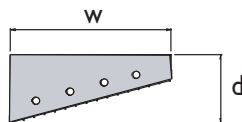
CONTROL GEAR Variants -
Suffix:
CONTROL GEAR Variants -
E3 = 3 hour integral emergency
HFR = High Frequency Dimming (Analogue)
SD(E) = Digital Dimming Switch Dim (ECO)
DSI(E) = Digital Dimming DSI (ECO)
DSI(X) = Digital Addressable Lighting Interface (DALI)

TITAN DAYLIGHT DETECTION

Part No.	Description	Requires
TTNR5 HFR	Analogue daylight sensor kit (6.5m)	HFR GEAR
TTNR5 DSI	Digital daylight sensor kit (6.5m)	DSI(E) GEAR

TITAN PRESENCE DETECTION

If movement and daylight detection linked to luminaires is desired then a site survey is required to ensure optimum performance and energy savings

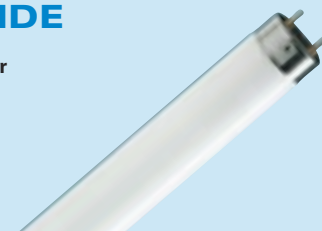


DIMENSION TABLE (mm):

	w	d	c	ls	ws
Asymmetrical					
1500x305	300	140	600	1300	250
1500x385	380	162	600	1300	300
Symmetrical					
1500x315	310	88	600	1300	250
1500x395	390	88	600	1300	300

LAMP GUIDE

See pages 143-145 for a comprehensive lamp guide



DISCHARGE HIGHBAY LUMINAIRE



HIGHBAY

A stylish, quality highbay luminaire ideal for industrial and commercial use, with the benefits of three alternative light controllers and several different lamp options.



IP20

400mm ALUMINIUM REFLECTOR & GEAR HOUSING

Part No.	Description	Code
IND-HBSR	Aluminium Spun Reflector	4378
IND-HBGC	Soda Lime Glass Cover	
IND-HBPC	Polycarbonate Cover	
IND-HBWG	Wire Guard	

GEAR HOUSING

IND-HBS150SRL	150W SON-T GES	4391
IND-HBS250SRL	250W SON-T GES	4392
IND-HBS400SRL	400W SON-T GES	4394
IND-HBH250SRL	250W M/H Elipt GES Prot	4393
IND-HBH400SRL	400W M/H Elipt GES Prot	4395

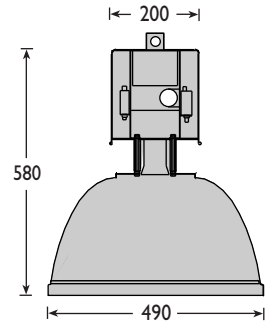
Suffix:

PS = 300W Pre-strike Auxilliary lamp



SPECIFICATION

- High output lamps included Metal Halide Double envelope PROTECTED elliptical lamps supplied so a cover glass is not essential
- Durable anodised aluminium reflector and gear housing combination with galvanised gear tray



415mm ACRYLIC REFRACTOR & GEAR HOUSING

Part No.	Description	Code
IND-HBAR250	250W Acrylic Refractor	4378
IND-HBDL250	250W Acrylic Drop Lens	

GEAR HOUSING

IND-HBS150ARL	150W SON-T GES	4391
IND-HBS250ARL	250W SON-T GES	4392
IND-HBH250ARL	250W M/H Elipt GES Prot	4393

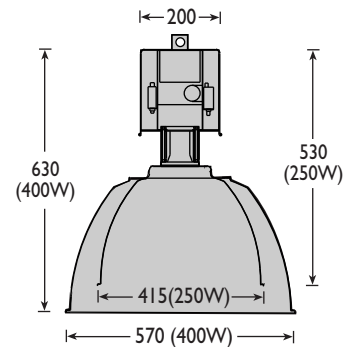
Suffix:

TI = Factory Fitted Timed Ignitor



SPECIFICATION

- Durable anodised aluminium gear housing and galvanised gear tray
- High quality ridged acrylic refractor in 2 sizes with optional drop lens attached by a collar
- Rapid assembly and installation method.
- Excellent photometric performance.
- Available with all commonly used accessories



570mm ACRYLIC REFRACTOR & GEAR HOUSING

Part No.	Description	Code
IND-HBAR400	400W Acrylic Refractor	4378
IND-HBDL400	400W Acrylic Drop Lens	

GEAR HOUSING

IND-HBS400ARL	400W SON-T GES	4394
IND-HBH400ARL	400W M/H Elipt GES Prot	4395

Suffix:

TI = Factory Fitted Timed Ignitor



IDEAL FOR

- Warehouses & Industrial Units
- Superstores
- Warehouses
- Manufacturing
- Ceilings above 6m

Full discharge protected lamp details see page 144