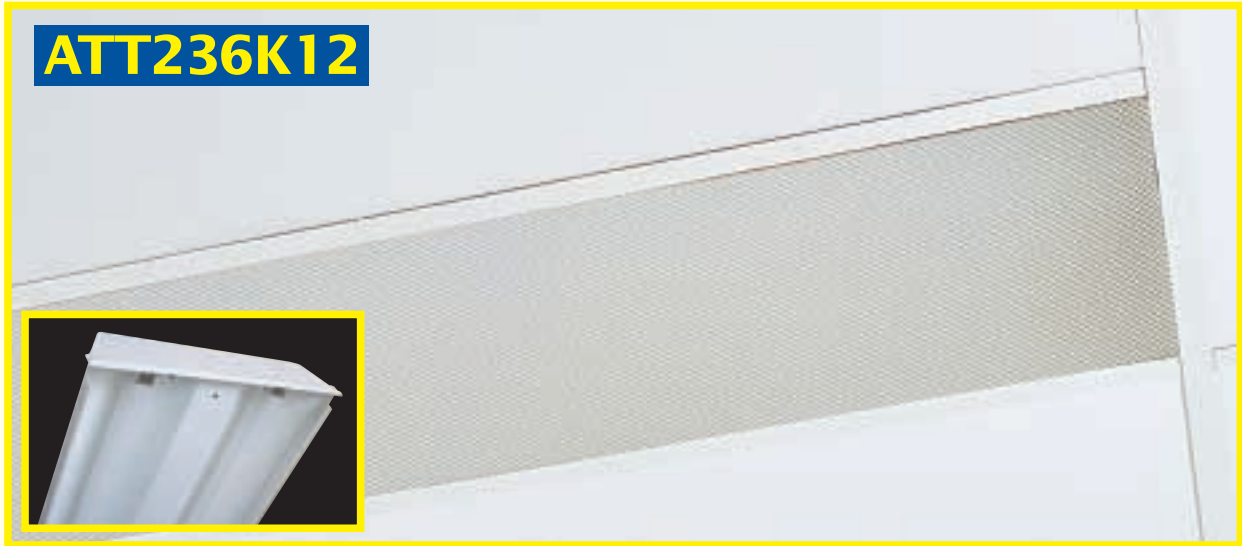


# ATLAS K12 RECESSED T/BAR - PLASTER

2 x 18/36 WATT 300mm (nom) wide



**ATT236K12**

## FEATURES

- Metal surfaces pretreated and de-greased before being polyester epoxy powder coated and baked for high protection and quality finish.
- High temperature internal wiring for added safety.
- Available in a wiring configuration to suit local market requirements.
- Low profile. Depth in ceiling is only 95mm.
- Standard lay-in diffused models can be converted to hinged frame on site. (See general catalogue "Section F")
- Recessed plaster models may be fixed directly to the ceiling material by using the fixing brackets supplied, without the use of timber battening, provided the ceiling is sufficiently strong to support the luminaire. It is the responsibility of the installer to determine if the timber battening is required.
- Large 25mm cable entry provided for hard wiring. In addition the luminaires can be supplied complete with 1.5 meter flex and plug.
- A range of acrylic diffuser panels including K12, K15, K19, K19S/T silver tint and opal can be used in both lay-in or hinged frame options.
- The acrylic diffuser panels used in the standard lay-in T/Bar (ATT) models are supported by the face of the T/Bar and do not form part of the luminaire.
- The hinged frames used with ATT recessed T/Bar luminaires are supported by and hinged from the face of the T/Bar. It does not form part of the luminaire.
- The recessed T/bar model can also be converted to a recessed plaster luminaire, with the addition of a "PF" plaster frame. (See general catalogue "Section C")

## APPLICATION

Suitable for Recessed 2 way exposed T/bar and recessed plaster ceilings. Recessed T/Bar models are a type T2.1 luminaire. This type of luminaire is supported at each end on top of the main ceiling runners.

### Note:

The acrylic diffuser panels used for the recessed T/Bar standard lay-in models, and also the hinged frames used for these models are sized for a 24mm T/Bar face. Please advise Davis Lighting of any changes to this so that the correct size of diffuser or hinged frame for your project can be determined.

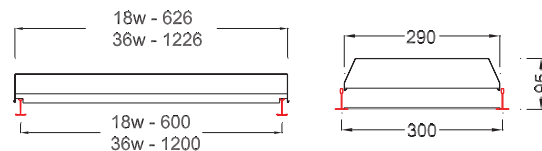


**ATP236K12**

Fixing bracket

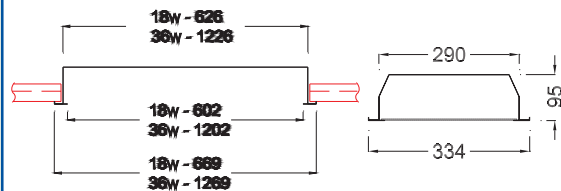
## DIMENSIONS

### T-Bar (ATT Models)



<b>Hinged frame</b>	<b>18w:</b> HFT18	<b>36w:</b> HFT36
<b>Plaster frame</b>	<b>18w:</b> PF18	<b>36w:</b> PF36

### Plaster (ATP Models)



CUT OUT SIZE: **18w** 636 X 310 **36w** 1236 X 310

<b>Hinged frame</b>	<b>18w:</b> HFAP18	<b>36w:</b> HFAP36
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300mm (nom) wide 2 x 18/36 WATT ATLAS K12 RECESSED T/BAR - PLASTER

004D

Manufactured to standards – EN60598.1  
EN60598.2.1  
EN60598.2.2  
EN55015 (AS/NZS 4051)  
EMC Compliant Supplier Code N1562 (Aust)



*"When your business depends on light."*

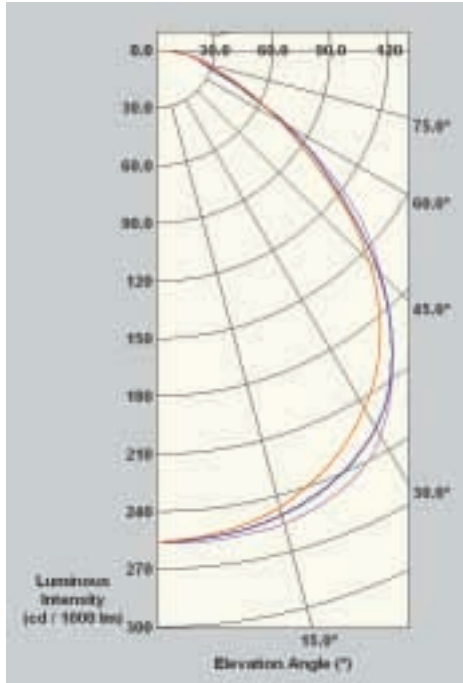
# ATLAS SERIES

300mm wide Recessed T/Bar - Plaster luminaire with K12 diffuser *Photometric data applies to 18 & 36 watt models*

ATT218K12 T/Bar  
ATT236K12 T/Bar

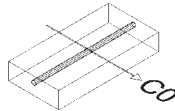
ATP218K12 Plaster  
ATP236K12 Plaster

## POLAR CURVE cd/1000lms 1 Max 256 cd in CO plane at 0° gamma



C0 Plane —  
C45 Plane —  
C90 Plane —

CIE Aiming Convention  
CO Plane across the tube



## LUMINOUS INTENSITY TABLE (cd/1000lms)

$\gamma$ Gamma	C0	C22.5	C45	C67.5	C90
0	256	256	256	256	256
5	257	256	255	256	254
10	256	255	253	253	251
15	254	253	250	249	246
20	250	249	245	242	237
25	244	242	237	233	227
30	232	230	226	221	215
35	211	211	210	206	199
40	188	187	188	186	179
45	164	162	162	161	155
50	139	133	130	131	127
55	107	104	103	101	97
60	75	78	77	75	74
65	50	53	52	52	54
70	37	39	33	36	39
75	29	29	24	26	26
80	22	20	19	18	18
85	12	12	10	10	9
90	0	0	0	0	0

LUMINOUS OPENING: 18 Watt 576 x 276  
36 Watt 1176 x 276

## AVERAGE LUMINANCE TABLE

$\gamma$ Gamma	C0	C45	C90
45	713	705	677
55	573	552	521
65	367	376	395
75	341	282	311
85	419	367	329

Luminance in  $cd/m^2/1000lms$

## UTILISATION FACTOR TABLE - CIBSE TM5 (fine grid method min/ave 0.8)

LOR: 64.2%				SHR Nom: 1.5 : 1.0					SHr Max: 1.6 : 1.0				
Reflectance				Room Index (K)									
Ceiling	Walls	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00		
0.70	0.50	0.20	0.42	0.47	0.52	0.55	0.59	0.62	0.64	0.66	0.68		
0.70	0.30	0.20	0.38	0.43	0.48	0.51	0.56	0.59	0.61	0.64	0.66		
0.70	0.10	0.20	0.35	0.40	0.45	0.48	0.53	0.56	0.58	0.62	0.64		
0.50	0.50	0.20	0.41	0.46	0.50	0.53	0.57	0.59	0.61	0.63	0.65		
0.50	0.30	0.20	0.37	0.42	0.47	0.50	0.54	0.57	0.59	0.62	0.63		
0.50	0.10	0.20	0.35	0.40	0.44	0.47	0.52	0.55	0.57	0.60	0.62		
0.30	0.50	0.20	0.40	0.45	0.49	0.52	0.55	0.57	0.59	0.61	0.62		
0.30	0.30	0.20	0.37	0.42	0.46	0.49	0.53	0.55	0.57	0.60	0.61		
0.30	0.10	0.20	0.34	0.39	0.44	0.47	0.51	0.54	0.56	0.58	0.60		
0.00	0.00	0.00	0.33	0.38	0.42	0.45	0.49	0.51	0.53	0.55	0.57		
Distribution Factors	Floor:		0.33	0.38	0.42	0.45	0.49	0.51	0.53	0.55	0.57		
	Walls:		0.31	0.27	0.22	0.19	0.16	0.13	0.11	0.09	0.07		
	Ceiling:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Bz Numbers			3	3	3	3	3	3	3	3	3		

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"When your  
business  
depends  
on light."