

vector

Suspended: Architectural T5 fluorescent





APPLICATION

Commercial

- Offices
- Reception areas
- Conference rooms
- Board rooms
- Receptions

SPECIFICATION

Body

- Lamp options:
 - 1/2 x 35W T5
 - 1/2 x 49W T5
 - 1/2 x 54W T5
- Individual or continuous in-line mounting
- Twin adjustable stainless steel wire suspension kits included (1.5m drop standard)
- Power entry from ceiling into back of luminaire
- Body: Extruded aluminium
- End caps: Injection moulded colour coded polycarbonate (order separately)
- Ceiling rose cover: Injection moulded colour coded polycarbonate
- Colours:
 - Silver RAL 9006
 - White RAL 9010
- High frequency or high frequency dimming gear as standard
- Internal wire-way for through wiring if continuously mounted
- Fully integral 3 hour emergency options
- Supplied without lamps

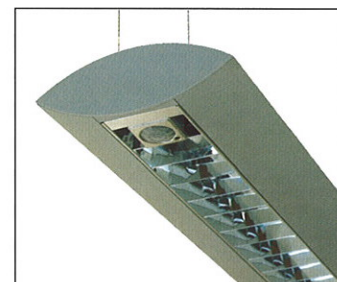
Options

-  Easytest – integral self test version available see page 181
-  Command 3 – intelligent integrated lighting control system optional see page 197

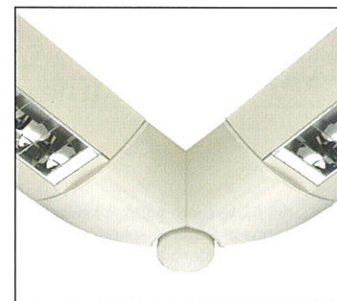
Optics

- Choice of light output ratios:
 - 10% up 90% down
 - 30% up 70% down single lamp
 - 40% up 60% down on twin lamp
- Zero iridescence MIRO 6 semi-specular louvre
- Louvre positively retained on leaf springs

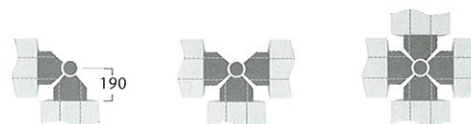
Vector suspended luminaire



Vector end cap detail with Command 3 lighting control system,



2 way variable corner assembly

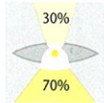


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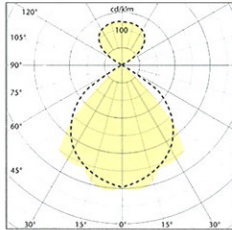
Suspended: Architectural T5 fluorescent

PHOTOMETRY

Vector 30:70
LG3 CAT 2
1 x 35W T5 Lamp

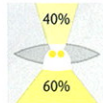


- SHR MAX = 1.62
- LOR = 96.5%

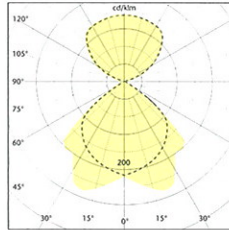


UTILISATION FACTORS UF(F)		SHR NOM=1.50									
Room Reflectance		Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.62	0.69	0.75	0.78	0.83	0.86	0.88	0.91	0.93
0.50	0.30	0.20	0.54	0.60	0.65	0.68	0.72	0.75	0.77	0.80	0.82
0.00	0.00	0.00	0.44	0.48	0.51	0.53	0.56	0.57	0.59	0.60	0.61

Vector 40:60
LG3 CAT 2
2 x 35W T5 Lamps

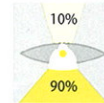


- SHR MAX = 1.89
- LOR = 94.0%

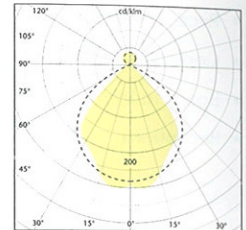


UTILISATION FACTORS UF(F)		SHR NOM=1.75									
Room Reflectance		Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.47	0.56	0.62	0.66	0.72	0.76	0.79	0.83	0.85
0.50	0.30	0.20	0.36	0.44	0.50	0.54	0.60	0.63	0.66	0.69	0.71
0.00	0.00	0.00	0.24	0.30	0.34	0.36	0.40	0.42	0.43	0.45	0.46

Vector 10:90
LG3 CAT 2
1 x 35W T5 Lamp

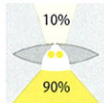


- SHR MAX = 1.50
- LOR = 78.3%

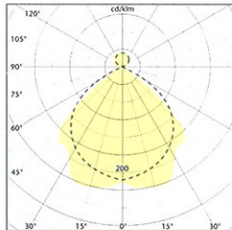


UTILISATION FACTORS UF(F)		SHR NOM=1.50									
Room Reflectance		Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.59	0.65	0.69	0.71	0.75	0.77	0.79	0.81	0.82
0.50	0.30	0.20	0.54	0.59	0.63	0.66	0.69	0.71	0.73	0.75	0.76
0.00	0.00	0.00	0.48	0.53	0.56	0.58	0.61	0.62	0.63	0.65	0.66

Vector 10:90
LG3 CAT 2
2 x 35W T5 Lamps



- SHR MAX = 1.78
- LOR = 68.9%



UTILISATION FACTORS UF(F)		SHR NOM=1.75									
Room Reflectance		Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	n/a	0.56	0.59	0.62	0.65	0.67	0.69	0.70	0.73
0.50	0.30	0.20	n/a	0.50	0.54	0.56	0.59	0.61	0.63	0.65	0.67
0.00	0.00	0.00	n/a	0.44	0.47	0.49	0.52	0.53	0.54	0.55	0.57

LAMP PERFORMANCE MATRIX

WATTAGE	IL@25°C	LAMP LIFE
1 x 35W T5	3300	20,000
1 x 49W T5	4300	
1 x 54W T5	4450	

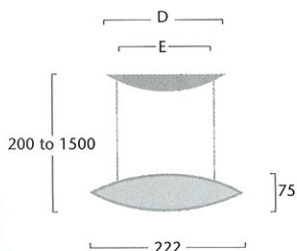
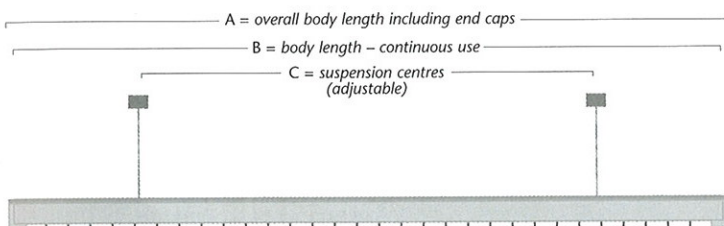
DIMENSIONS

LAMP WAYS	LONGITUDINAL DIMENSIONS			WIDTH D	FIXING CENTRE E	WEIGHT KG
	A	B	C			
1 x 35W T5	1508	1500	1000	200	120	5.2
2 x 35W T5	1508	1500	1000	200	120	5.2
1 x 49W T5	1508	1500	1000	200	120	5.2
2 x 49W T5	1508	1500	1000	200	120	5.2
1 x 54W T5	1208	1200	800	200	120	4.5
2 x 54W T5	1208	1200	800	200	120	4.5

A = overall body length including end caps

B = body length - continuous use

C = suspension centres
(adjustable)



ORDER CODES - VECTOR

SUSPENDED ARCHITECTURAL T5 FLUORESCENT LUMINAIRE

Note: Product references are for silver with high frequency gear & semi-specular louvre, complete with suspension kit and continuous mounting kit but excluding end caps

SUPPLIED LESS LAMP	COLOUR	PRODUCT REFERENCE
1 x 35W T5	Silver	VECW5H135##S
2 x 35W T5	Silver	VECW5H235##S
1 x 49W T5	Silver	VECW5H149##S
2 x 49W T5	Silver	VECW5H249##S
1 x 54W T5	Silver	VECW5H154##S
2 x 54W T5	Silver	VECW5H254##S
Set of 2 silver end caps	Silver	VECECS
300mm infill	Silver	VECFNF300S
600mm infill	Silver	VECFNF600S
900mm infill	Silver	VECFNF900S
1200mm infill	Silver	VECFNF1200S
2-way variable corner assembly	Silver	VEC2S
3-way variable corner assembly	Silver	VEC3S
4-way variable corner assembly	Silver	VEC4S

OUTPUT RATIO Replace suffix ## with light output ratio code below

60	40% up 60% down i.e. VECW5H235 60S (twin lamp option only)
70	30% up 70% down i.e. VECW5H135 70S (single lamp option only)
90	10% up 90% down i.e. VECW5H135 90S

COLOUR Substitute suffix **W** in place of the **S** in the order codes above

W White, i.e. VECW5H13570**W**, VECECW and VECINF300**W**

ANALOGUE DIMMING

Substitute suffix **R** in place of the **H** in the order codes above

R High frequency analogue dimming gear, i.e. VECW5**R**13570S

COMMAND 3  Substitute suffix **C** in place of the **H** in the order codes above

C Intelligent integrated lighting control system i.e. VECW5**C**13570S

EMERGENCY Add suffix to order codes above

EMIN 3hr maintained integral emergency, i.e. VECW5H13570**SEMIN**

EASYTEST OPTION Add suffix to order codes above

/ET  Integral self autotest, i.e. VECW5H13570S/**ET**

To specify state:

Suspended T5 fluorescent luminaire with direct: indirect lighting ratios of 10:90, 30:70 (40:60 on twin lamp). Body to be in extruded aluminium and end caps and ceiling roses to be colour coded with luminaire body. Width and depth not to exceed 222 and 75mm respectively and gear and emergency to be integral - as Whitecroft Lighting VECTOR