

comfort surface

Surface fluorescent: Performance fluorescent T5 or T8 luminaire

APPLICATION

- Schools
- Offices
- Corridors
- Reception areas
- Retail areas
- Low ceiling factories

SPECIFICATION

Body

- Lamp options:
 - 1/2 x 28W T5
 - 1/2 x 35W T5
 - 1/2 x 54W T5
 - 1/2 x 36W T8
 - 1/2 x 58W T8
- Chamfered steel body (62mm deep), rigid 0.7mm slim
- White polyester powder paint finish
- Injection moulded end caps to match body colour
- High frequency control gear as standard
- Integral emergency versions
- BESA fixing to rear
- Supplied less lamps

Louvre

- LG3 Cat 2 specular louvre
- Perimeter flange reduces light spill
- Flat top wedge louvre
- Positive retention – by end caps
- Low iridescence

Options

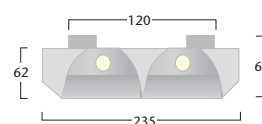
- Suspended options available see page 85
-  Easytest – integral self test version available see page 181

DIMENSIONS

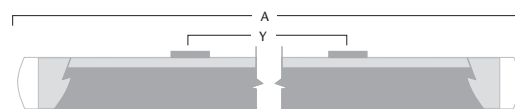
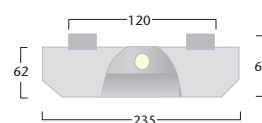
T5 PERFORMANCE FLUORESCENT LUMINAIRE

LAMP WAYS	LONGITUDINAL DIMENSIONS	FIXING CENTRE	WEIGHT KG
	A	Y	
1 x 28W T5	1199	1040 x 120	5.2
1 x 54W T5	1199	1040 x 120	5.2
1 x 35W T5	1499	1340 x 120	6.3
2 x 28W T5	1199	1040 x 120	5.5
2 x 54W T5	1199	1040 x 120	5.5
2 x 35W T5	1499	1340 x 120	6.7
1 x 36W T8	1248	1040 x 120	5.2
2 x 36W T8	1248	1040 x 120	5.5
1 x 58W T8	1548	1340 x 120	6.3
2 x 58W T8	1548	1340 x 120	6.7

Twin Lamp



Single Lamp



QuickLink

CSS

Go

PHOTOMETRY

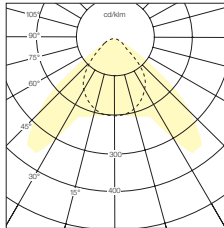
Comfort Surface T5

SPECULAR LG3 CAT 2 LOUVRE

1 x 35W T5 Lamp



- SHR MAX = 1.144
- LOR = 53%



UTILISATION FACTORS UF(F)		SHR NOM = 1.00									
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	0.34	0.40	0.44	0.47	0.50	0.53	0.54	0.56	0.57
0.50	0.30	0.20	0.30	0.36	0.40	0.43	0.47	0.49	0.50	0.53	0.54
0.00	0.00	0.00	0.26	0.32	0.36	0.39	0.42	0.44	0.46	0.48	0.49

CONVERSION TERMS

Lamp Length	1.2m	1.2m	1.5m
Lamp wattage	28W	54W	35W
UF and PC	0.99	0.99	1.00

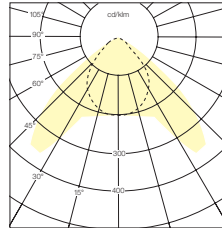
Comfort Surface T5

SPECULAR LG3 CAT 2 LOUVRE

2 x 35W T5 Lamps



- SHR MAX = 1.144
- LOR = 53%



UTILISATION FACTORS UF(F)		SHR NOM = 1.00									
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	0.34	0.40	0.44	0.47	0.50	0.53	0.54	0.56	0.57
0.50	0.30	0.20	0.30	0.36	0.40	0.43	0.47	0.49	0.50	0.53	0.54
0.00	0.00	0.00	0.26	0.32	0.36	0.39	0.42	0.44	0.46	0.48	0.49

CONVERSION TERMS

Lamp Length	1.2m	1.2m	1.5m
Lamp wattage	28W	54W	35W
UF and PC	0.99	0.99	1.00

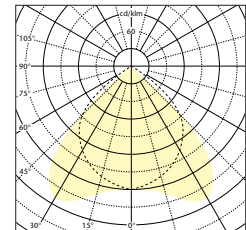
Comfort Surface T8

SPECULAR LG3 CAT 2 LOUVRE

1 x 58W T8 Lamp



- SHR MAX = 1.70
- DLOR = 55.9%



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	0.40	0.45	0.49	0.51	0.54	0.56	0.58	0.59	0.60
0.50	0.30	0.20	0.36	0.41	0.45	0.47	0.51	0.53	0.54	0.56	0.57
0.00	0.00	0.00	0.32	0.37	0.41	0.43	0.46	0.48	0.49	0.51	0.52

CONVERSION TERMS

Lamp Length	1.2m	1.5m
Lamp wattage	36W	58W
UF and PC	0.98	1.00

LAMP PERFORMANCE MATRIX

WATTAGE	IL@25°C	LAMP LIFE
1 x 28W T5	2600	20,000
1 x 35W T5	3300	20,000
1 x 54W T5	4450	20,000
1 x 36W T8	3350	15,000
1 x 58W T8	5200	15,000

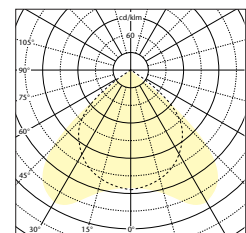
Comfort Surface T8

SPECULAR LG3 CAT 2 LOUVRE

2 x 58W T8 Lamps



- SHR MAX = 1.61
- DLOR = 57.1%



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	0.41	0.46	0.50	0.52	0.56	0.58	0.59	0.61	0.62
0.50	0.30	0.20	0.37	0.42	0.46	0.48	0.52	0.54	0.55	0.57	0.58
0.00	0.00	0.00	0.33	0.38	0.42	0.44	0.47	0.49	0.50	0.52	0.53

CONVERSION TERMS

Lamp Length	1.2m	1.5m
Lamp wattage	36W	58W
UF and PC	0.98	1.00

ORDER CODES – COMFORT SURFACE

T5 – PERFORMANCE FLUORESCENT SURFACE LUMINAIRE

SUPPLIED LESS LAMPS	LUMINAIRE
1 x 28W T5	CS128HW
1 x 54W T5	CS154HW
1 x 35W T5	CS135HW
2 x 28W T5	CS228HW
2 x 54W T5	CS254HW
2 x 35W T5	CS235HW
1 x 36W T8	CS136HW
1 x 58W T8	CS158HW
2 x 36W T8	CS236HW
2 x 58W T8	CS258HW

ANALOGUE DIMMING Substitute **R** for **H** in part code

R High frequency analogue dimming gear, i.e. CS128**RW**

EMERGENCY Add suffix to order code above

EMIN 3 hour maintained fully integral emergency for all luminaires, i.e. CS135**HWE****MIN**

EASYTEST OPTION Add suffix to order code above

/ET Integral self autotest, i.e. CS128**HW/ET**

To specify state:

Surface slimline rigid steel bodied Cat 2 luminaire < 67mm overall depth. Colour matched RAL 9010 body and end caps. Positively retained louvre – as Whitecroft Lighting COMFORT SURFACE