DTBY

MOTIVATION

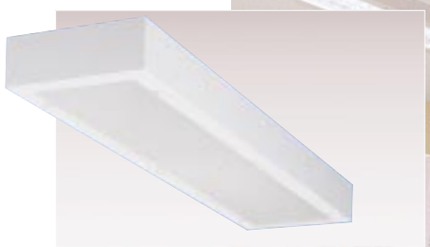
A surface luminaire for clean environments with solid ceilings

APPLICATION

- Surface mounted
- Offices

SPECIFICATION

- Extruded aluminium frame, finish – RAL9016
- High frequency control gear mounted on a gear and lamp tray
- Prismatic diffuser:
  - Polycarbonate Tp(a)
  - Acrylic Tp(b)
- Supplied without lamp



White area office adjoining Aseptic manufacturing suite

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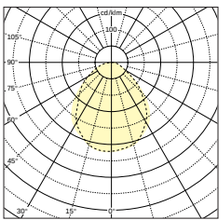
PRISMATIC ACRYLIC PRISMS UP
2 x 36W T8 Lamps



- SHR MAX = 1.55
- DLOR = 0.523
- SHR TR MAX = 1.78

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	0.37	0.41	0.44	0.47	0.50	0.51	0.53	0.55	0.56
0.50	0.30	0.20	0.33	0.37	0.41	0.43	0.46	0.48	0.49	0.51	0.52
0.00	0.00	0.00	0.30	0.34	0.37	0.39	0.42	0.43	0.45	0.46	0.47

CONVERSION TABLE FOR LAMP OPTIONS

Lamp Length	1.2m	1.6m	1.8m
Lamp wattage	36W	58W	70W
UF and PC	1.00	1.01	1.01

CONVERSION TABLE FOR DIFFUSER OPTIONS

POLYCARBONATE
0.75

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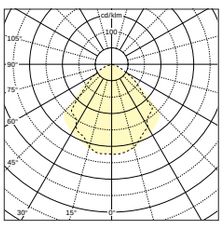
PRISMATIC ACRYLIC PRISMS UP
3 x 36W T8 Lamps



- SHR MAX = 1.76
- DLOR = 0.574
- SHR TR MAX = 2.04

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	0.46	0.50	0.52	0.55	0.57	0.58	0.60	0.61
0.50	0.30	0.20	N/A	0.42	0.46	0.48	0.51	0.53	0.55	0.56	0.58
0.00	0.00	0.00	N/A	0.38	0.41	0.44	0.46	0.48	0.50	0.51	0.52

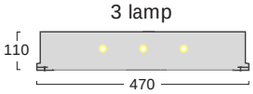
CONVERSION TABLE FOR LAMP OPTIONS

Lamp Length	1.2m	1.5m	1.8m
Lamp wattage	36W	58W	70W
UF and PC	1.00	1.01	1.01

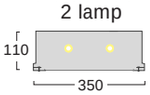
CONVERSION TABLE FOR DIFFUSER OPTIONS

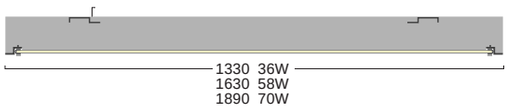
POLYCARBONATE
0.75

Cross section: 3 lamp



Cross section: 2 lamp





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ORDER CODES

IP54 SURFACE LUMINAIRE

	OPTIC/DIFFUSER	SUPPLIED LESS LAMP	OPTIC/DIFFUSER	
DTBYA236	Acrylic prismatic diffuser with prisms up	2 x 36W T8	Prismatic polycarbonate diffuser with prisms up	DTBYP236
DTBYA336		3 x 36W T8		DTBYP336
DTBYA258		2 x 58W T8		DTBYP258
DTBYA358		3 x 58W T8		DTBYP358
DTBYA270		2 x 70W T8		DTBYP270
DTBYA370		3 x 70W T8		DTBYP370

EMERGENCY *Add suffix to order codes above*

E	3 hour integral emergency

To specify state:
Surface mounted luminaire. Diffuser frame flush with canopy sides. IP54 – as Whitecroft Lighting DTBY.