

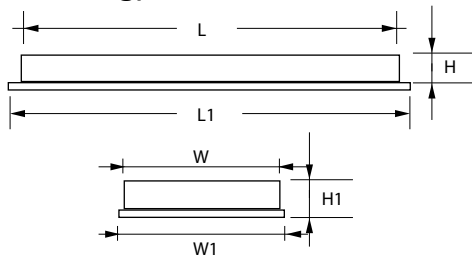


Clean Room Fitting T8

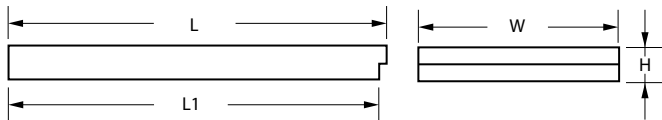


DIMENSIONS

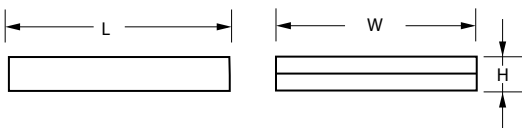
(Wood Ceiling)



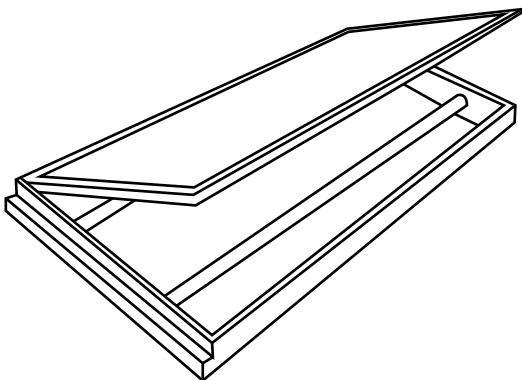
(T-Bar)



(Surface)



LINE DRAWING



INTENDED USE

CRF series is for recess clean room ceilings with energy saving 2 tubes, 3 tubes, and 4 tubes T8 high output. IP54 rated with gasketed hinged door. Ideal for pharmaceutical, semiconductor manufacturing and biomedical labs, food processing plants, hospitals, where the integrity of the cleanroom is maintained and protect against infiltration of particles. Also best solution when requiring lighting load as low as 2 watts/square meter/100 lux. 2'x4', 1'x4', 2'x2', 1'x2' Metric sizes available.

CONSTRUCTION AND OPTICS

Housing formed of high quality gauge sheet steel. Going through five-stage-iron-phosphate pre-treatment ensures superior paint adhesion and rust resistance. Housing painted after fabrication with environmentally friendly, high-gloss, very high reflectivity epoxy powder-coat. Come with options of having high reflectivity or full specular mirror reflector to achieved with anodized aluminium efficiently directs light downward. Available with clear acrylic diffuser or prismatic diffuser to provide even light distribution glare control and maximum light transmission, combined with a very low luminosity at angle approaching the horizontal surface. It is designed to minimize glare and maximize light output and visual comfort together with a good degree of protection. Polyurethane gasket is formed in the housing to achieve the IP65 rating.



DIMENSION OF FITTING

Wood Ceiling / Top Open (2 TUBE)

Model	L mm	L1 mm	W mm	W1 mm	H mm	H1 mm
CLRMWS2TOP220T8	615	635	295	335	78	87
CLRMWS2TCA220T8	615	635	295	335	78	87
CLRMWS2TAP220T8	615	635	295	335	78	87
CLRMWS2TPP220T8	615	635	295	335	78	87
CLRMWS4TOP240T8	1222	1245	295	335	78	87
CLRMWS4TCA240T8	1222	1245	295	335	78	87
CLRMWS4TAP240T8	1222	1245	295	335	78	87
CLRMWS4TPP240T8	1222	1245	295	335	78	87
CLRMWN2TOP220T8	615	635	600	640	78	87
CLRMWN2TCA220T8	615	635	600	640	78	87
CLRMWN2TAP220T8	615	635	600	640	78	87
CLRMWN2TPP220T8	615	635	600	640	78	87
CLRMWN4TOP240T8	1222	1245	600	640	78	87
CLRMWN4TCA240T8	1222	1245	600	640	78	87
CLRMWN4TAP240T8	1222	1245	600	640	78	87
CLRMWN4TPP240T8	1222	1245	600	640	78	87

* refer to T8LED tube catalogue for wattage & lumens

Wood Ceiling / Top Open (3 TUBE)

Model	L mm	L1 mm	W mm	W1 mm	H mm	H1 mm
CLRMWN2TOP320T8	615	635	600	640	78	87
CLRMWN2TCA320T8	615	635	600	640	78	87
CLRMWN2TAP320T8	615	635	600	640	78	87
CLRMWN2TPP320T8	615	635	600	640	78	87
CLRMWN4TOP340T8	1222	1245	600	640	78	87
CLRMWN4TCA340T8	1222	1245	600	640	78	87
CLRMWN4TAP340T8	1222	1245	600	640	78	87
CLRMWN4TPP340T8	1222	1245	600	640	78	87

* refer to T8LED tube catalogue for wattage & lumens

Wood Ceiling / Top Open (4 TUBE)

Model	L mm	L1 mm	W mm	W1 mm	H mm	H1 mm
CLRMWN2TOP420T8	615	635	600	640	78	87
CLRMWN2TCA420T8	615	635	600	640	78	87
CLRMWN2TAP420T8	615	635	600	640	78	87
CLRMWN2TPP420T8	615	635	600	640	78	87
CLRMWN4TOP440T8	1222	1245	600	640	78	87
CLRMWN4TCA440T8	1222	1245	600	640	78	87
CLRMWN4TAP440T8	1222	1245	600	640	78	87
CLRMWN4TPP440T8	1222	1245	600	640	78	87

* refer to T8LED tube catalogue for wattage & lumens

Wood Ceiling / Bottom Open (2 TUBE)

Model	L mm	L1 mm	W mm	W1 mm	H mm	H1 mm
CLRMWS2BOP220T8	615	635	295	335	78	87
CLRMWS2BCA220T8	615	635	295	335	78	87
CLRMWS2BAP220T8	615	635	295	335	78	87
CLRMWS2BPP220T8	615	635	295	335	78	87
CLRMWS4BOP240T8	1222	1245	295	335	78	87
CLRMWS4BCA240T8	1222	1245	295	335	78	87
CLRMWS4BAP240T8	1222	1245	295	335	78	87
CLRMWS4BPP240T8	1222	1245	295	335	78	87
CLRMWN2BOP220T8	615	635	600	640	78	87
CLRMWN2BCA220T8	615	635	600	640	78	87
CLRMWN2BAP220T8	615	635	600	640	78	87
CLRMWN2BPP220T8	615	635	600	640	78	87
CLRMWN4BOP240T8	1222	1245	600	640	78	87
CLRMWN4BCA240T8	1222	1245	600	640	78	87
CLRMWN4BAP240T8	1222	1245	600	640	78	87
CLRMWN4BPP240T8	1222	1245	600	640	78	87

* refer to T8LED tube catalogue for wattage & lumens

Wood Ceiling / Bottom Open (3 TUBE)

Model	L mm	L1 mm	W mm	W1 mm	H mm	H1 mm
CLRMWN2BOP320T8	615	635	600	640	78	87
CLRMWN2BCA320T8	615	635	600	640	78	87
CLRMWN2BAP320T8	615	635	600	640	78	87
CLRMWN2BPP320T8	615	635	600	640	78	87
CLRMWN4BOP340T8	1222	1245	600	640	78	87
CLRMWN4BCA340T8	1222	1245	600	640	78	87
CLRMWN4BAP340T8	1222	1245	600	640	78	87
CLRMWN4BPP340T8	1222	1245	600	640	78	87

* refer to T8LED tube catalogue for wattage & lumens

Wood Ceiling / Bottom Open (4 TUBE)

Model	L mm	L1 mm	W mm	W1 mm	H mm	H1 mm
CLRMWN2BOP420T8	615	635	600	640	78	87
CLRMWN2BCA420T8	615	635	600	640	78	87
CLRMWN2BAP420T8	615	635	600	640	78	87
CLRMWN2BPP420T8	615	635	600	640	78	87
CLRMWN4BOP440T8	1222	1245	600	640	78	87
CLRMWN4BCA440T8	1222	1245	600	640	78	87
CLRMWN4BAP440T8	1222	1245	600	640	78	87
CLRMWN4BPP440T8	1222	1245	600	640	78	87

* refer to T8LED tube catalogue for wattage & lumens

ORDERING INFORMATION Lead times will vary based on options selected. Consult with your sales representative. Example: CLRMWS2BOP220T8

Type	Installation Type	Size	Design	Diffuser Mech	Diffuser Type	Reflector Design	System	Tubes
Clean Room (CLRM)	W Wood Ceiling T T-Bar S Surface	I Imperial M Metric <Blank> N/A	S2 Slim (1' x 2') S4 Slim (1' x 4') N2 Normal (2' x 2') N4 Normal (2' x 4')	B Bottom Open & Hinged type S Bottom Open & Slot type T Top Open & Hinged type	OP Opal CA Clear Acrylic AP AA Prismatic PP PS Prismatic	0 No Reflector 1 Top Mirror Reflector 2 Full Top Mirror Reflector 3 Round Top Mirror Refl (Parabolic type)	5 T5 8 T8 D LED	2 2 Tubes 3 3 Tubes 4 4 Tubes

DIMENSION OF FITTING

T-Bar / Imperial / Top Open (2 TUBE)

Model	L mm	L1 mm	W mm	H mm
CLRMTIS2TOP220T8	612	600	298	85
CLRMTIS2TCA220T8	612	600	298	85
CLRMTIS2TAP220T8	612	600	298	85
CLRMTIS2TPP220T8	612	600	298	85
CLRMTIS4TOP240T8	1222	1210	298	85
CLRMTIS4TCA240T8	1222	1210	298	85
CLRMTIS4TAP240T8	1222	1210	298	85
CLRMTIS4TPP240T8	1222	1210	298	85
CLRMTIN2TOP220T8	612	600	605	85
CLRMTIN2TCA220T8	612	600	605	85
CLRMTIN2TAP220T8	612	600	605	85
CLRMTIN2TPP220T8	612	600	605	85
CLRMTIN4TOP240T8	1222	1210	605	85
CLRMTIN4TCA240T8	1222	1210	605	85
CLRMTIN4TAP240T8	1222	1210	605	85
CLRMTIN4TPP240T8	1222	1210	605	85

* refer to T8LED tube catalogue for wattage & lumens

T-Bar / Imperial / Top Open (3 TUBE)

Model	L mm	L1 mm	W mm	H mm
CLRMTIN2TOP320T8	612	600	605	85
CLRMTIN2TCA320T8	612	600	605	85
CLRMTIN2TAP320T8	612	600	605	85
CLRMTIN2TPP320T8	612	600	605	85
CLRMTIN4TOP340T8	1222	1210	605	85
CLRMTIN4TCA340T8	1222	1210	605	85
CLRMTIN4TAP340T8	1222	1210	605	85
CLRMTIN4TPP340T8	1222	1210	605	85

* refer to T8LED tube catalogue for wattage & lumens

T-Bar / Imperial / Top Open (4 TUBE)

Model	L mm	L1 mm	W mm	H mm
CLRMTIN2TOP420T8	612	600	605	85
CLRMTIN2TCA420T8	612	600	605	85
CLRMTIN2TAP420T8	612	600	605	85
CLRMTIN2TPP420T8	612	600	605	85
CLRMTIN4TOP440T8	1222	1210	605	85
CLRMTIN4TCA440T8	1222	1210	605	85
CLRMTIN4TAP440T8	1222	1210	605	85
CLRMTIN4TPP440T8	1222	1210	605	85

* refer to T8LED tube catalogue for wattage & lumens

T-Bar / Metric / Bottom Open (2 TUBE)

Model	L mm	L1 mm	W mm	H mm
CLRMTMS2BOP220T8	612	585	295	85
CLRMTMS2BCA220T8	612	585	295	85
CLRMTMS2BAP220T8	612	585	295	85
CLRMTMS2BPP220T8	612	585	295	85
CLRMTMS4BOP240T8	1222	1195	295	85
CLRMTMS4BCA240T8	1222	1195	295	85
CLRMTMS4BAP240T8	1222	1195	295	85
CLRMTMS4BPP240T8	1222	1195	295	85
CLRMTMN2BOP220T8	612	585	595	85
CLRMTMN2BCA220T8	612	585	595	85
CLRMTMN2BAP220T8	612	585	595	85
CLRMTMN2BPP220T8	612	585	595	85
CLRMTMN4BOP240T8	1222	1195	595	85
CLRMTMN4BCA240T8	1222	1195	595	85
CLRMTMN4BAP240T8	1222	1195	595	85
CLRMTMN4BPP240T8	1222	1195	595	85

* refer to T8LED tube catalogue for wattage & lumens

T-Bar / Metric / Bottom Open (3 TUBE)

Model	L mm	L1 mm	W mm	H mm
CLRMTMN2BOP320T8	612	585	595	85
CLRMTMN2BCA320T8	612	585	595	85
CLRMTMN2BAP320T8	612	585	595	85
CLRMTMN2BPP320T8	612	585	595	85
CLRMTMN4BOP340T8	1222	1195	595	85
CLRMTMN4BCA340T8	1222	1195	595	85
CLRMTMN4BAP340T8	1222	1195	595	85
CLRMTMN4BPP340T8	1222	1195	595	85

* refer to T8LED tube catalogue for wattage & lumens

T-Bar / Metric / Bottom Open (4 TUBE)

Model	L mm	L1 mm	W mm	H mm
CLRMTMN2BOP420T8	612	585	595	85
CLRMTMN2BCA420T8	612	585	595	85
CLRMTMN2BAP420T8	612	585	595	85
CLRMTMN2BPP420T8	612	585	595	85
CLRMTMN4BOP440T8	1222	1195	595	85
CLRMTMN4BCA440T8	1222	1195	595	85
CLRMTMN4BAP440T8	1222	1195	595	85
CLRMTMN4BPP440T8	1222	1195	595	85

* refer to T8LED tube catalogue for wattage & lumens

ORDERING INFORMATION Lead times will vary based on options selected. Consult with your sales representative. Example: CLRMWS2BOP224

Type	Installation Type	Size	Design	Diffuser Mech	Diffuser Type	Reflector Design	System	Tubes
Clean Room (CLRM)	W Wood Ceiling T T-Bar S Surface	I Imperial M Metric <Blank> N/A	S2 Slim (1' x 2') S4 Slim (1' x 4') N2 Normal (2' x 2') N4 Normal (2' x 4')	B Bottom Open & Hinged type S Bottom Open & Slot type T Top Open & Hinged type	OP Opal CA Clear Acrylic AP AA Prismatic PP PS Prismatic	0 No Reflector 1 Top Mirror Reflector 2 Full Top Mirror Reflector 3 Round Top Mirror Refl (Parabolic type)	5 T5 8 T8 D LED	2 2 Tubes 3 3 Tubes 4 4 Tubes

DIMENSION OF FITTING

Surface / Top Open (2 TUBE)

Model	L mm	W mm	H mm
CLRMSS2TOP220T8	612	298	85
CLRMSS2TCA220T8	612	298	85
CLRMSS2TAP220T8	612	298	85
CLRMSS2TPP220T8	612	298	85
CLRMSS4TOP240T8	1222	298	85
CLRMSS4TCA240T8	1222	298	85
CLRMSS4TAP240T8	1222	298	85
CLRMSS4TPP240T8	1222	298	85
CLRMSN2TOP220T8	612	603	85
CLRMSN2TCA220T8	612	603	85
CLRMSN2TAP220T8	612	603	85
CLRMSN2TPP220T8	612	603	85
CLRMSN4TOP240T8	1222	603	85
CLRMSN4TCA240T8	1222	603	85
CLRMSN4TAP240T8	1222	603	85
CLRMSN4TPP240T8	1222	603	85

* refer to T8LED tube catalogue for wattage & lumens

Surface / Top Open (3 TUBE)

Model	L mm	W mm	H mm
CLRMSN2TOP320T8	612	603	85
CLRMSN2TCA320T8	612	603	85
CLRMSN2TAP320T8	612	603	85
CLRMSN2TPP320T8	612	603	85
CLRMSN4TOP340T8	1222	603	85
CLRMSN4TCA340T8	1222	603	85
CLRMSN4TAP340T8	1222	603	85
CLRMSN4TPP340T8	1222	603	85

* refer to T8LED tube catalogue for wattage & lumens

Surface / Top Open (4 TUBE)

Model	L mm	W mm	H mm
CLRMSN2TOP420T8	612	603	85
CLRMSN2TCA420T8	612	603	85
CLRMSN2TAP420T8	612	603	85
CLRMSN2TPP420T8	612	603	85
CLRMSN4TOP440T8	1222	603	85
CLRMSN4TCA440T8	1222	603	85
CLRMSN4TAP440T8	1222	603	85
CLRMSN4TPP440T8	1222	603	85

* refer to T8LED tube catalogue for wattage & lumens

Surface / Bottom Open (2 TUBE)

Model	L mm	W mm	H mm
CLRMSS2BOP220T8	612	298	85
CLRMSS2BCA220T8	612	298	85
CLRMSS2BAP220T8	612	298	85
CLRMSS2BPP220T8	612	298	85
CLRMSS4BOP240T8	1222	298	85
CLRMSS4BCA240T8	1222	298	85
CLRMSS4BAP240T8	1222	298	85
CLRMSS4BPP240T8	1222	298	85
CLRMSN2BOP220T8	612	603	85
CLRMSN2BCA220T8	612	603	85
CLRMSN2BAP220T8	612	603	85
CLRMSN2BPP220T8	612	603	85
CLRMSN4BOP240T8	1222	603	85
CLRMSN4BCA240T8	1222	603	85
CLRMSN4BAP240T8	1222	603	85
CLRMSN4BPP240T8	1222	603	85

* refer to T8LED tube catalogue for wattage & lumens

Surface / Bottom Open (3 TUBE)

Model	L mm	W mm	H mm
CLRMSN2BOP320T8	612	603	85
CLRMSN2BCA320T8	612	603	85
CLRMSN2BAP320T8	612	603	85
CLRMSN2BPP320T8	612	603	85
CLRMSN4BOP340T8	1222	603	85
CLRMSN4BCA340T8	1222	603	85
CLRMSN4BAP340T8	1222	603	85
CLRMSN4BPP340T8	1222	603	85

* refer to T8LED tube catalogue for wattage & lumens

Surface / Bottom Open (4 TUBE)

Model	L mm	W mm	H mm
CLRMSN2BOP420T8	612	603	85
CLRMSN2BCA420T8	612	603	85
CLRMSN2BAP420T8	612	603	85
CLRMSN2BPP420T8	612	603	85
CLRMSN4BOP440T8	1222	603	85
CLRMSN4BCA440T8	1222	603	85
CLRMSN4BAP440T8	1222	603	85
CLRMSN4BPP440T8	1222	603	85

* refer to T8LED tube catalogue for wattage & lumens

ORDERING INFORMATION Lead times will vary based on options selected. Consult with your sales representative. Example: CLRMSS2BOP220

Type	Installation Type	Size	Design	Diffuser Mech	Diffuser Type	Reflector Design	System	Tubes
Clean Room (CLRM)	W Wood Ceiling T T-Bar S Surface	I Imperial M Metric <Blank> N/A	S2 Slim (1' x 2') S4 Slim (1' x 4') N2 Normal (2' x 2') N4 Normal (2' x 4')	B Bottom Open & Hinged type S Bottom Open & Slot type T Top Open & Hinged type	OP Opal CA Clear Acrylic AP AA Prismatic PP PS Prismatic	0 No Reflector 1 Top Mirror Reflector 2 Full Top Mirror Reflector 3 Round Top Mirror Refl (Parabolic type)	5 T5 8 T8 D LED	2 2 Tubes 3 3 Tubes 4 4 Tubes