





In areas requiring a high degree of sealing or hygiene, Moduseal provides the ideal solution. Gaskets seal a choice of prismatic controller or louvre and panel to an extruded frame. A further gasket then seals to the luminaire body. With a choice of IP54 or IP65 seal rating, water and dust is prevented from penetrating the luminaire from below the ceiling. Kitchens, laboratories and hospitals all demand the degree of sealing achieved by Moduseal. The louvre option ensures Moduseal can also be used where VDTs are installed in these working spaces.

- IP54 dustproof and splash proof for areas requiring the level of protection
- High specification IP65 dust tight and water jet proof
- Quality extruded frame to maintain seal
- High performance TPa flame retardant prismatic panel suitable for use on emergency escape routes
- 65°-200 cd/m² louvre and clear panel option
- Versatile body design to fit wide variety of ceilings

Recessed

Moduseal

Lamp Options

- 18W, 36W, 58W T8 fluorescent, triphosphor 4000°K - G13 cap 
- 14W, 28W T5 fluorescent, 4000°K - G5 cap 
- High frequency control gear as standard
- Dimming options including DSI and DALI

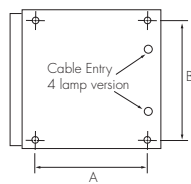
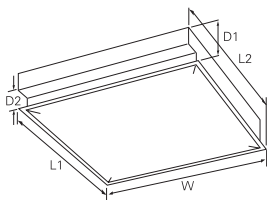
Materials

- Body - welded, full box steel construction, powder coated
- IP54 Frame - extruded TPa fire rated PVC in RAL9016 white finish
- IP65 Frame - extruded aluminium, chromate pre-treatment and powder coated in RAL9016 white finish
- Panel - TPa fire rated, true prismatic PVC controller
- Louvre assembly - Xenoptic grade, mirror finish, zero iridescence, anodised aluminium louvre and TPa clear polycarbonate panel

Installation Notes

- For ceiling type compatibility refer to Installation Guide on page 80
- Contact Technical Support for compatibility with other ceilings
- Can be supported by 4 x M8 drop rods
- Terminal block with 2 x 2.5mm² cable capacity per termination
- Frame attachment securely retained to body with quarter turn fixings
- Supplied complete with side arm brackets
- Hangs on straps for hands free re-lamping
- Supplied complete with lamps

Dimensions



Options

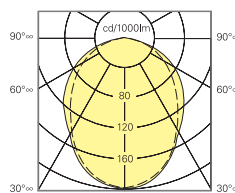
- Fully integral emergency conversion, 3 hour duration
- Intellem self-test emergency versions available
- Suitable for use on defined escape routes
- IP20 housing available fitted with pre-wired socket to suit Connect rapid wiring system. Add suffix 'CX' to catalogue number
- See page 498 for details of Connect Wiring System
- Lighting controls and energy management options (refer to Controls Guide on page 441)
- We offer a range of product support contracts to aid commissioning, reduce your maintenance costs, comply with legislative test requirements and increase the lifespan of your lighting equipment

Specification

To specify state: Modular recessed luminaire, IP20/IP44 full box welded construction body with post coat powder paint, TPa PVC prismatic lens/Xenoptic mirror 65°-200 cd/m² louvre and TPa clear polycarbonate panel in extruded aluminium/TPa PVC frame with RAL9016 finish, securely fixed and with gaskets to achieve IP65/IP54 from below ceiling, as Eaton's Moduseal range, part no. _____

Photometric Data

Cat. No. MSS6418ZT



LOR: 0.46
ULOR: 0.00
DLOR: 0.46
SHR nom: 1.25
SHR max: 1.41

Utilisation factors / TM5

Reflectances			Room Index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	27	32	35	37	40	43	44	46	47
30			24	28	32	34	38	40	42	44	46
10			21	26	29	32	35	38	40	43	44
50	50	20	26	31	34	36	39	41	42	44	45
30			23	28	31	33	37	39	41	43	44
10			21	25	29	31	35	37	39	41	43
30	50	20	26	30	33	35	38	40	41	43	44
30			23	27	30	33	36	38	39	41	43
10			21	25	28	31	34	36	38	40	42
0	0	0	20	24	27	29	33	35	36	38	40
BZ-class			4	4	4	4	4	4	4	4	4

See page 514 for Design Guide

Lamp Rating	L1 (mm)	L2 (mm)	W (mm)	D1 (mm)	D2 (mm)	A (mm)	B (mm)
IP20 Body, IP54 Frame							
2 x 36W	1197	1250	297	100	45	900	180
2 x 58W	1497	1550	297	100	45	1350	180
3/4 x 18W	597	640	597	100	45	480	480
3/4 x 36W	1197	1250	597	100	45	900	480
IP44 Body, IP65 Frame							
3/4 x 18W	600	625	600	115	65	-	-
3/4 x 36W	1200	1225	600	115	65	-	-
3/4 x 14W	600	575	600	85	-	-	-
3/4 x 28W	1200	1175	600	85	-	-	-

Catalogue Numbers

Lamp Rating	Modular Size (mm)	Cat No	Weight (kg)	Emergency Cat No	Weight (kg)
Moduseal - IP20 body, IP54 frame with prismatic controller and T8 lamps					
2 x 36W	300 x 1200	MSS3236ZT	6.66	EBMSS3236ZT	7.96
2 x 58W	300 x 1500	MSS3258ZT	8.35	EBMSS3258ZT	9.65
3 x 18W	600 x 600	MSS6318ZT	6.58	EBMSS6318ZT	7.78
4 x 18W	600 x 600	MSS6418ZT	6.27	EBMSS6418ZT	7.47
3 x 36W	600 x 1200	MSS6336ZT	10.10	EBMSS6336ZT	11.40
4 x 36W	600 x 1200	MSS6436ZT	10.40	EBMSS6436ZT	11.70
Moduseal IP20 body, IP54 frame with prismatic controller and T5 lamps					
2 x 28W	300 x 1200	MSS3228ZT	6.66	EBMSS3228ZT	8.00
2 x 54W	300 x 1200	MSS3254ZT	6.66	EBMSS3254ZT	8.00
2 x 35W	300 x 1500	MSS3235ZT	8.35	EBMSS3235ZT	9.80
2 x 49W	300 x 1500	MSS3249ZT	8.35	EBMSS3249ZT	9.80
4 x 14W	600 x 600	MSS6414ZT	6.30	EBMSS6414ZT	7.70
4 x 24W	600 x 600	MSS6424ZT	6.30	EBMSS6424ZT	7.70
3 x 14W	600 x 600	MSS6314ZT	6.20	EBMSS6314ZT	7.60
3 x 24W	600 x 600	MSS6324ZT	6.20	EBMSS6324ZT	7.60
4 x 28W	600 x 1200	MSS6428ZT	10.30	EBMSS6428ZT	11.70
4 x 54W	600 x 1200	MSS6454ZT	10.30	EBMSS6454ZT	11.70
3 x 28W	600 x 1200	MSS6328ZT	10.20	EBMSS6328ZT	11.60
3 x 54W	600 x 1200	MSS6354ZT	10.20	EBMSS6354ZT	11.60
Moduseal - IP20 body, IP54 frame with 65°-200cd/m2 louvre					
4 x 18W	600 x 600	MSSXM26418ST	7.59	EBMSSXM26418ST	8.79
4 x 18W	600 x 600	MSSXM26418ZT	7.28	EBMSSXM26418ZT	8.48
Moduseal - IP44 body, IP65 frame with prismatic controller and T8 lamps					
3 x 18W	600 x 600	MSS6318ZTX6	6.58	EBMSS6318ZTX6	8.08
4 x 18W	600 x 600	MSS6418ZTX6	6.88	EBMSS6418ZTX6	8.38
3 x 36W	600 x 1200	MSS6336ZTX6	10.60	EBMSS6336ZTX6	11.90
4 x 36W	600 x 1200	MSS6436ZTX6	11.20	EBMSS6436ZTX6	12.50
Moduseal IP44 body, IP65 frame with prismatic controller and T5 lamps					
4 x 14W	600 x 600	MSS6414ZTX6	6.80	EBMSS6414ZTX6	8.20
4 x 24W	600 x 600	MSS6424ZTX6	6.80	EBMSS6424ZTX6	8.20
3 x 14W	600 x 600	MSS6314ZTX6	6.70	EBMSS6314ZTX6	8.10
3 x 24W	600 x 600	MSS6324ZTX6	6.70	EBMSS6324ZTX6	8.10
4 x 28W	600 x 1200	MSS6428ZTX6	11.00	EBMSS6428ZTX6	12.40
4 x 54W	600 x 1200	MSS6454ZTX6	11.00	EBMSS6454ZTX6	12.40
3 x 28W	600 x 1200	MSS6328ZTX6	10.60	EBMSS6328ZTX6	12.00
3 x 54W	600 x 1200	MSS6354ZTX6	10.60	EBMSS6354ZTX6	12.00

For DSI dimming option, replace part number character Z with RD, eg MSS6418ZT becomes MSS6418RDT

For DALI dimming option, replace part number character Z with DD, eg MSS6418Z becomes MSS6418DDT

Emergency versions available with automatic test functionality - see page 235 for system features

For further information contact our technical support and application department on 01302 303240 or email lighting@cooper-ls.com