



Cleanroom Verlichting

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Cleanroom verlichting

Model ASI T5 GK PG C

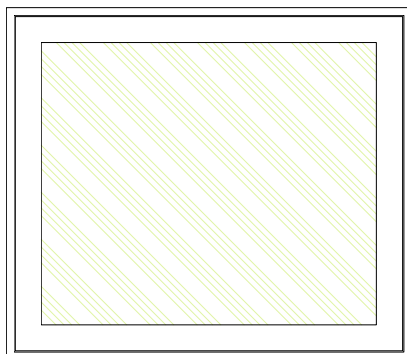
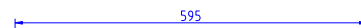
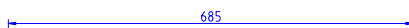
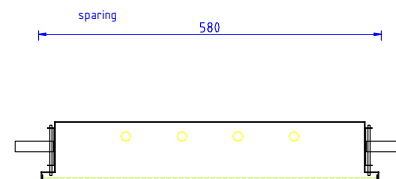
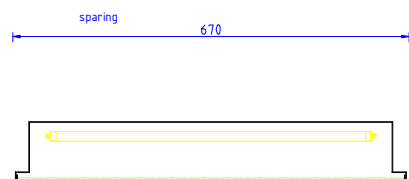


Afscherming :	Gehard glas
Verdeling :	prisma diffuser
Beschermingsgraad :	IP 65
VSA:	elektronisch hoogfrequent
Uitvoering:	geschikt voor modulair plafond T24 M600 geschikt voor montage in panelen 30- 65 mm
Servicezijde :	Cleanroom (onder)
Bijzonderheden :	onzichtbare montage te openen met zuignap
Optie :	service paneel na het verwijderen van de afscherming (zuignap) is het binnenwerk (verlichting en VSA) eenvoudig te demonteren, hierna is het service paneel te openen. Dit is ideaal om werkzaamheden uit te voeren in onderdruk plenums boven cleanrooms zoals voorfilters vervangen , toerenregeling instellen ,efficiency test etc.

Cleanroom verlichting

Model ASI T5 GK PG C

type	Afmetingen	Lamptype
ASI 2T514W GK PG C IP65	595 x 295 x 100 mm	2 x 14 W TL5
ASI 2T514W GK PG C IP65	595 x 595 x 100 mm	2 x 14 W TL5
ASI 2T514W GK PG C IP65	685 x 295 x 100 mm	2 x 14 W TL5
ASI 3T514W GK PG C IP65	595 x 595 x 100 mm	3 x 14 W TL5
ASI 4T514W GK PG C IP65	595 x 595 x 100 mm	4 x 14 W TL5
ASI 2T528W GK PG C IP65	1195 x 295 x 100 mm	2 x 28 W TL5
ASI 4T528W GK PG C IP65	1195 x 295 x 100 mm	4 x 28 W TL5
ASI 4T524W GK PG C IP65	685 x 595 x 100 mm	4 X 28 W TL5
ASI 2T554W GK PG C IP65	1285 x 295 x 100 mm	2 X 54 W TL5



ASI 4T524W GK PG C IP65

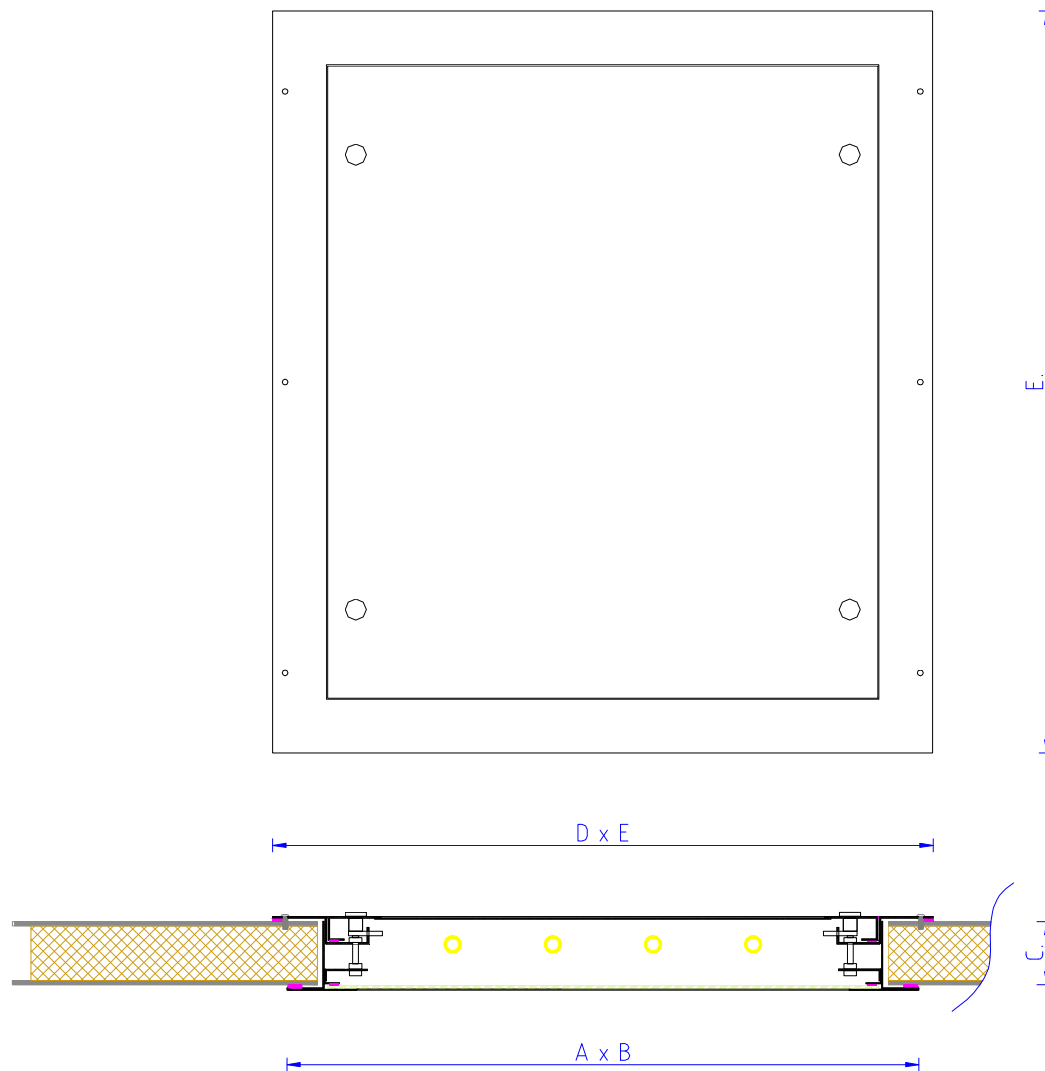
Cleanroom verlichting

Model ASI .. GV HG BB



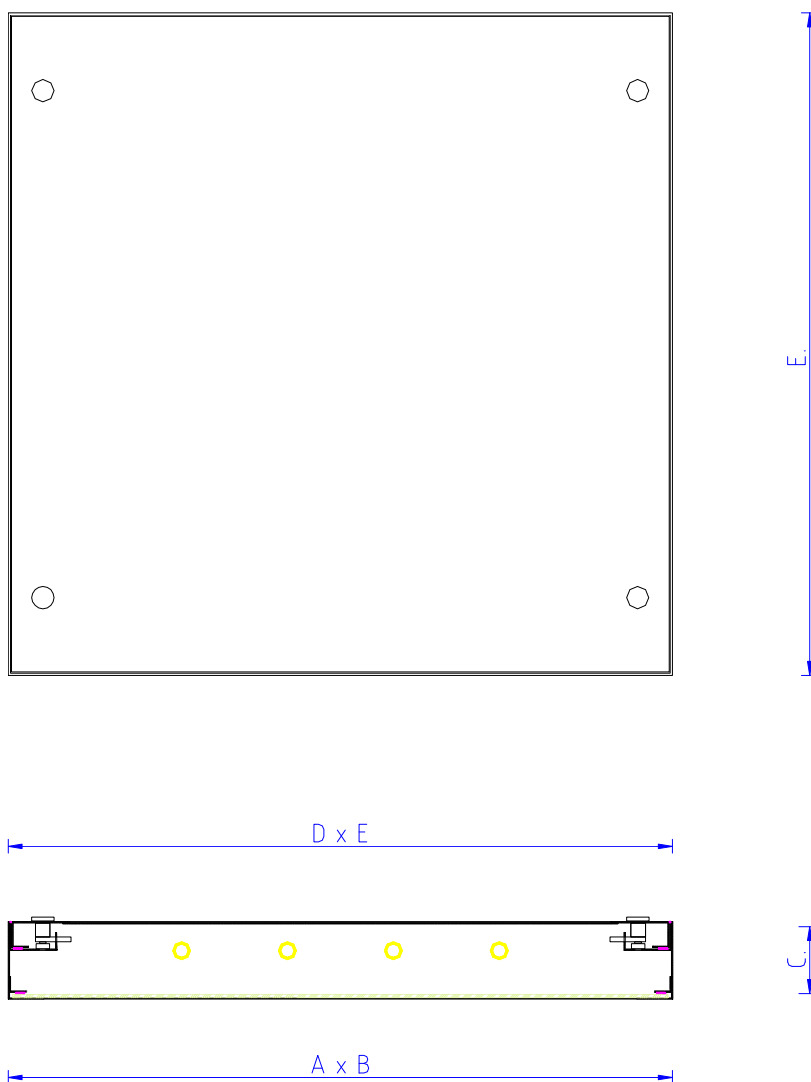
Afscherming :	helder gehard glas
Beschermingsgraad :	IP 64
VSA:	elektronisch hoogfrequent
Uitvoering :	geschikt voor plafondpanelen of zichtbare profielen.
Servicezijde :	Plenum (boven)
Behuizing :	Het service paneel is te openen met kwartslag knevelsluiting
Bijzonderheden :	volledig gelast staal / gepoedercoat RAL 9003
	begaanbaar (0,9 kN)
	De hoogte van het armatuur wordt aangepast
	aan de dikte van het cleanroomplafond.
Opties :	snoer met stekker
	LED
	dimbaar (0 -10 V of digitaal)
	noodverlichting
	prisma of opaal lichtverdeling
	dubbel geschakeld (bijv 1 TL normaal + 1 TL UV beschermd)
	UV bescherming 400 , 470 of 520 nanometer
	Anti bacteriële coating

Paneelmontage



A	B	C	D	E	sparing
298	676	50 - 200	325	703	258 x 636
598	676	50 - 200	625	703	558 x 636
298	1276	50 - 200	325	1303	258 x 1236
598	1276	50 - 200	625	1303	558 x 1236

systemplafond montage



A	B	C	D	E
295	1195	70	295	1195
595	595	70	595	595
595	1195	70	595	1195

Type	Afmetingen (afgerond)	Lamptype	
ASI LED 18W GV HG BB 700 300	700 x 300 mm	LED 18W	1740 lm
ASI LED 23W GV HG BB 700 300	700 x 300 mm	LED 23W	2175 lm
ASI LED 23W GV HG BB 700 600	700 x 600 mm	LED 23W	2175 lm
ASI LED 32W GV HG BB 700 600	700 x 600 mm	LED 32W	3045 lm
ASI LED 36W GV HG BB 700 600	700 x 600 mm	LED 36W	3480 lm
ASI LED 45W GV HG BB 700 600	700 x 600 mm	LED 45W	4350 lm
ASI LED 36W GV HG BB 1200 300	1200 x 300 mm	LED 36W	3480 lm
ASI LED 54W GV HG BB 1200 300	1200 x 300 mm	LED 45W	5220 lm
ASI LED 54W GV HG BB 1200 600	1200 x 600 mm	LED 54W	5220 lm
ASI LED 72W GV HG BB 1200 600	1200 x 600 mm	LED 72W	6960 lm
ASI LED 90W GV HG BB 1200 600	1200 x 600 mm	LED 90W	8700 lm
ASI LED 108W GV HG BB 1200 600	1200 x 600 mm	LED 108W	10440 lm
ASI 2 T5 14W GV HG BB 700 300	700 x 300 mm	2 x TL5 14 W	1728 lm
ASI 2 T5 24W GV HG BB 700 300	700 x 300 mm	2 x TL5 24 W	2520 lm
ASI 3 T5 14W GV HG BB 700 600	700 x 600 mm	3 x TL5 14 W	2592 lm
ASI 3 T5 24W GV HG BB 700 600	700 x 600 mm	3 x TL5 24 W	3780 lm
ASI 4 T5 24W GV HG BB 700 600	700 x 600 mm	4 x TL5 14 W	3456 lm
ASI 4 T5 24W GV HG BB 700 600	700 x 600 mm	4 x TL5 14 W	5040 lm
ASI 2 T5 28W GV HG BB 1200 300	1200 x 300 mm	2 x TL5 28 W	3744 lm
ASI 2 T5 54W GV HG BB 1200 300	1200 x 300 mm	2 x TL5 54 W	6408 lm
ASI 3 T5 28W GV HG BB 1200 600	1200 x 600 mm	3 x TL5 28 W	5616 lm
ASI 3 T5 54W GV HG BB 1200 600	1200 x 600 mm	3 x TL5 54 W	9612 lm
ASI 4 T5 28W GV HG BB 1200 600	1200 x 600 mm	4 x TL5 28 W	7488 lm
ASI 4 T5 54W GV HG BB 1200 600	1200 x 600 mm	4 x TL5 54 W	12816 lm

Optie:

UV filter / bescherming

tot 400 nanometer
tot 470 nanometer
tot 520 nanometer



Optie:

Dubbel geschakeld
2 x TL met UV filter
2 x TL daglicht

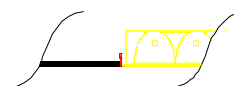


Cleanroom verlichting

Model LUI GM HP C



Afscherming :	helder gehard glas
Beschermingsgraad :	IP 54
Lichtverdeling:	parabolisch gevormde hoogglans aluminium reflectoren
VSA:	elektronisch hoogfrequent
Servicezijde :	Cleanroom (onder)
Uitvoering :	geschikt voor modulair plafond T24 M600 onzichtbare montage van de afscherming te openen met zuignap
opties :	snoer met stekker HF ESVA IP 65 i.p.v. IP54 dimbaar (0-10V) dimbaar (digitaal) noodverlichting



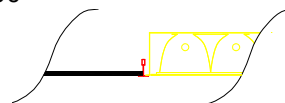
Type	Afmetingen	Lamptype
LUI 4T514 GM HP C IP65	595 x 595 x 110 mm	4 x 14 W TL5
LUI 4T524 GM HP C IP65	595 x 595 x 110 mm	4 x 24 W TL5
LUI 2T528 GM HP C IP65	1195 x 295 x 110 mm	2 x 28 W TL5
LUI 2T554 GM HP C IP65	1195 x 595 x 110 mm	2 x 54 W TL5
LUI 4T528 GM HP C IP65	1195 x 595 x 110 mm	4 x 28 W TL5
LUI 4T554 GM HP C IP65	1195 x 595 x 110 mm	4 x 54 W TL5
LUI 3PLL36 GM HP C IP65	595 x 595 x 110 mm	3 x 36 W PLL
LUI 3PLL55 GM HP C IP65	595 x 595 x 110 mm	3 x 55 W PLL

Cleanroom verlichting

Model LUI GB HP C



Afscherming :	helder gehard glas
Beschermingsgraad :	IP 54
Lichtverdeling:	parabolisch gevormde hoogglans aluminium reflectoren
VSA:	elektronisch hoogfrequent
Servicezijde :	Cleanroom (onder)
Uitvoering :	geschikt voor modulair plafond T24 M600
Opties :	snoer met stekker
	HF ESVA
	IP 65 i.p.v. IP54
	dimbaar (0-10V)
	dimbaar (digitaal)
	noodverlichting



Afmetingen	Lamptype	Gewicht	
295 x 595 x 97 mm	2 x 14 W	TL5	6 kg
595 x 595 x 97 mm	4 x 14 W	TL5	11 kg
595 x 595 x 97 mm	4 x 24 W	TL5	11 kg
295 x 1195 x 97 mm	2 x 28 W	TL5	11 kg
295 x 1195 x 97 mm	2 x 54 W	TL5	11 kg
595 x 1195 x 97 mm	4 x 28 W	TL5	20 kg
595 x 1195 x 97 mm	4 x 54 W	TL5	20 kg
295 x 1530 x 97 mm	2 x 35 W	TL5	14 kg
295 x 1530 x 97 mm	2 x 49 W	TL5	14 kg
295 x 595 x 97 mm	2 x 18 W	TL8	6 kg
595 x 595 x 97 mm	3 x 18 W	TL8	11 kg
595 x 595 x 97 mm	4 x 18 W	TL8	11 kg
295 x 1195 x 97 mm	2 x 36 W	TL8	11 kg
595 x 1195 x 97 mm	3 x 36 W	TL8	21 kg
595 x 1195 x 97 mm	4 x 36 W	TL8	21 kg
295 x 1530 x 97 mm	2 x 58 W	TL8	14 kg
595 x 1530 x 97 mm	3 x 58 W	TL8	27 kg
595 x 1530 x 97 mm	4 x 58 W	TL8	27 kg

Cleanroom verlichting

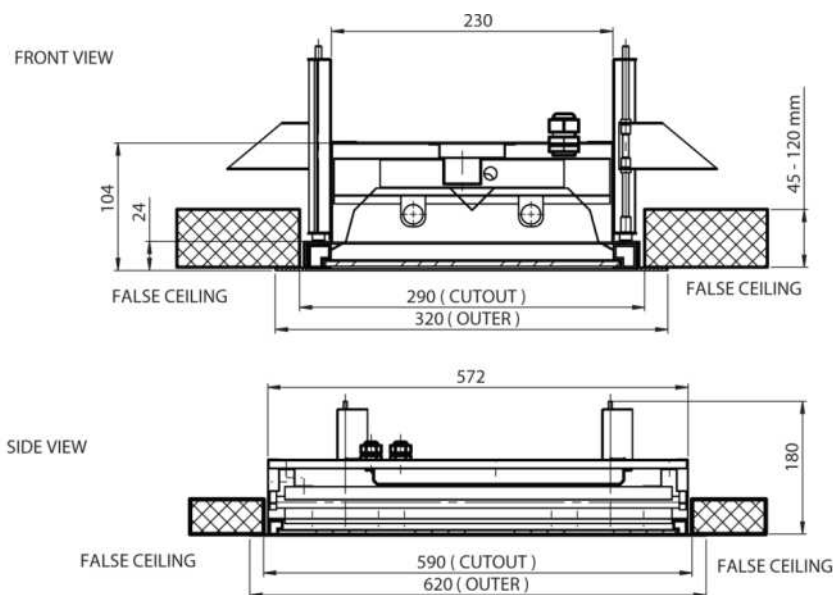
Model REI T5 GB HP



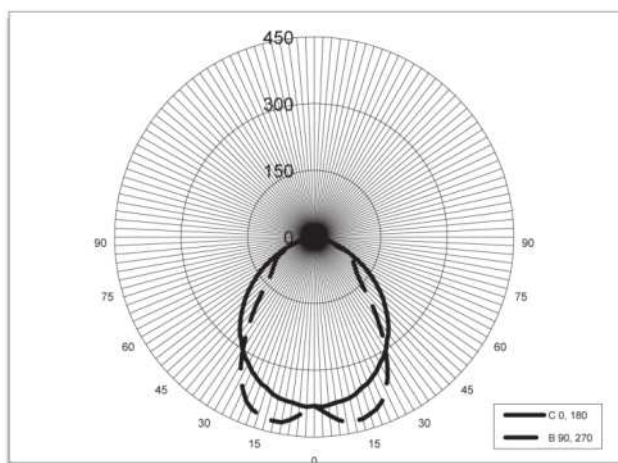
Afscherming :	helder gehard glas
Beschermingsgraad :	IP 65
Lichtverdeling:	parabolisch gevormde aluminium reflector
Uitvoering :	geschikt voor plafondpanelen 45 – 120 mm.
Servicezijde :	Cleanroom (onder)
Behuizing :	gepoedercoat staal / aluminium
Opties :	snoer met stekker
	HF ESVA
	dimbaar (0-10V)
	dimbaar (digitaal)
	noodverlichting (accu)
	RVS behuizing

Cleanroom verlichting

Model REI 2T5 14 GB HP C



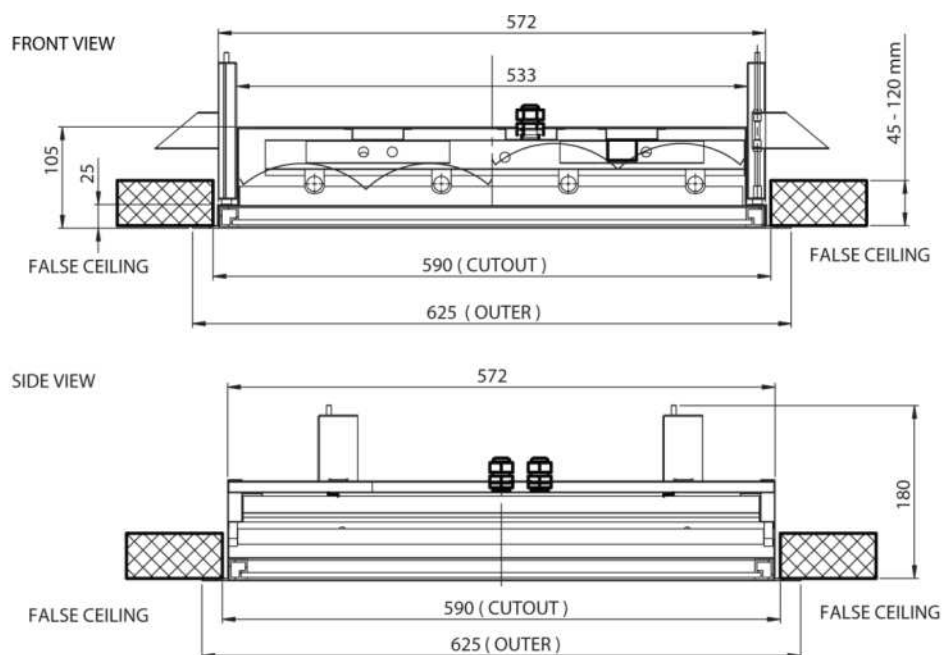
Cut Out: - 290mm x 590mm



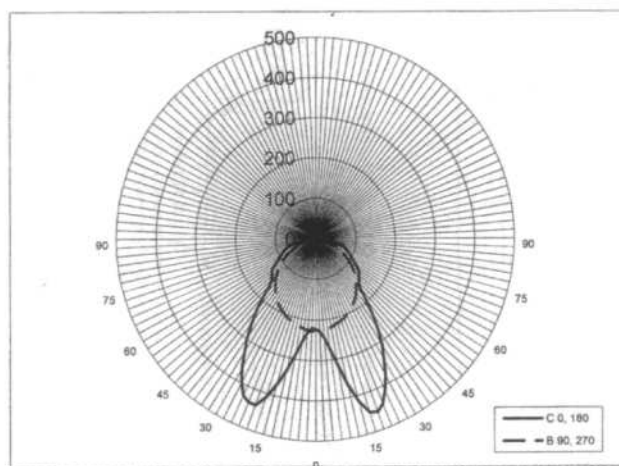
Lamp Type & Wattage (W)	Nominal Voltage (V)	Mains Current in Amps. at 230 V	Power Factor	Nett. Wt. in Kgs.
2 x 14W BA	230 V	0.14	0.96	6.650

Cleanroom verlichting

Model REI 4T5 14 GB HP C



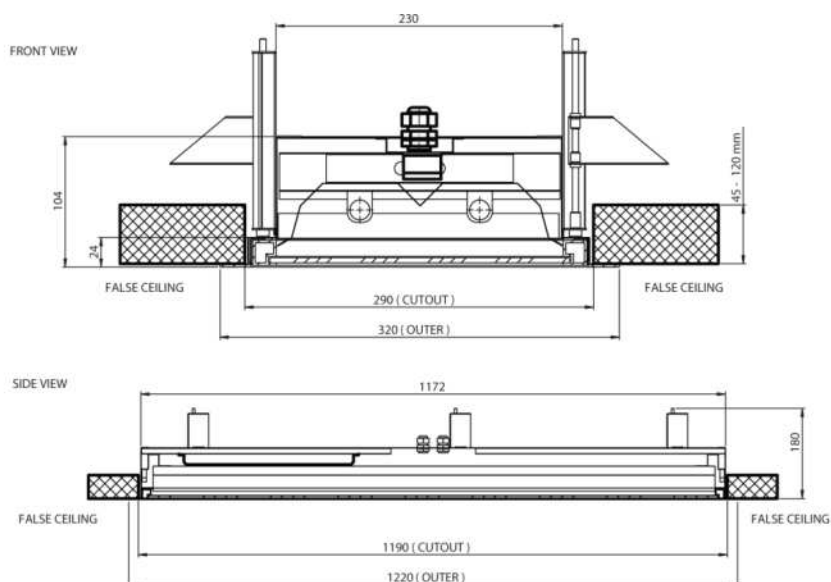
Cut Out: 590mm x 590mm



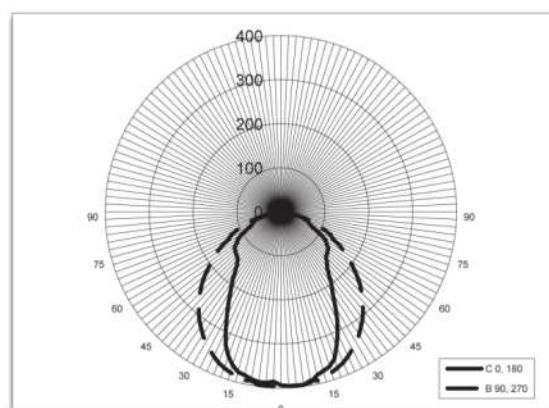
Lamp Type & Wattage (W)	Nominal Voltage (V)	Mains Current in Amps. at 230 V	Power Factor	Nett. Wt. in Kgs.
4 x 14W BA	230 V	0.33	0.99	11.200

Cleanroom verlichting

Model REI 2T5 54 GB HP C



Cut Out: - 290mm x 1190mm



Lamp Type & Wattage (W)	Nominal Voltage (V)	Mains Current in Amps. at 230 V	Power Factor	Nett. Wt. in Kgs.
2 x 54W BA	230 V	0.5	0.991	11.350

Cleanroom verlichting

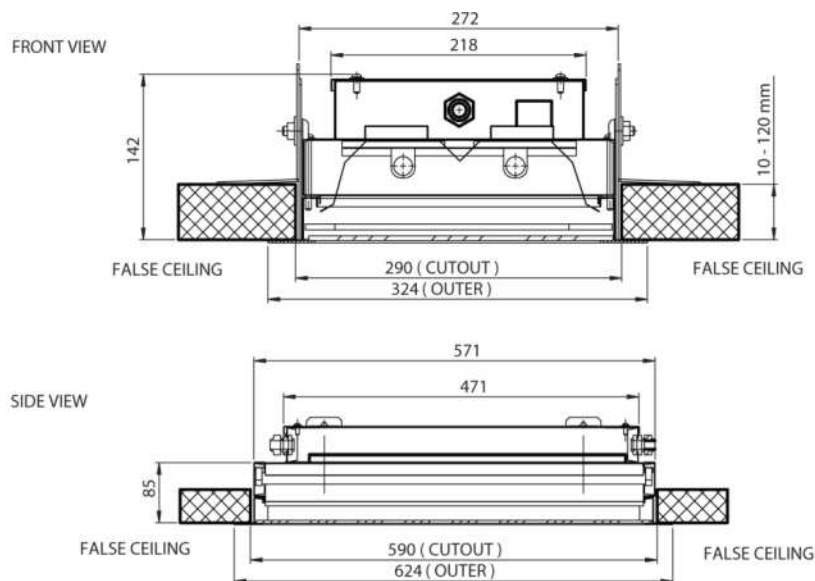
Model REI T5 GV HP B



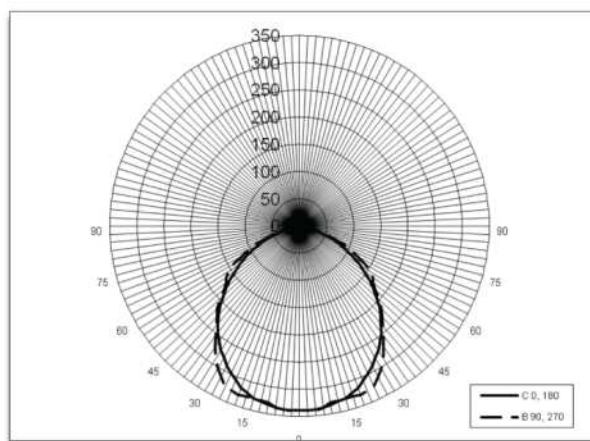
Afscherming :	helder gehard glas
Beschermingsgraad :	IP 65 (cleanroomzijde)
Lichtverdeling:	parabolisch gevormde aluminium reflector
Uitvoering :	geschikt voor plafondpanelen 10 – 120 mm.
Servicezijde :	plenum (boven)
Behuizing :	gepoedercoat staal
Opties :	snoer met stekker
	HF ESVA
	dimbaar (0-10V)
	dimbaar (digitaal)
	noodverlichting (accu)
	RVS behuizing

Cleanroom verlichting

Model REI 2T5 14 GV HP B



Cut Out:- 290mm x 590mm

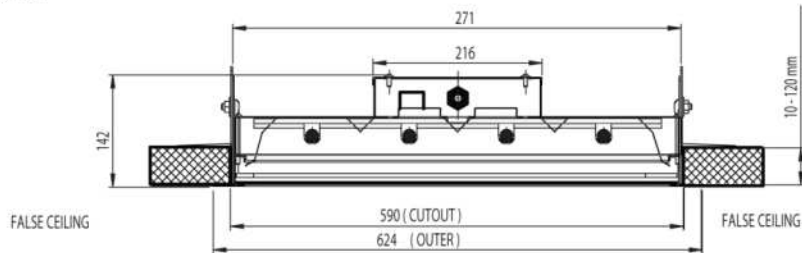


Lamp Type & Wattage (W)	Nominal Voltage (V)	Mains Current in Amps. at 230 V	Power Factor	Nett. Wt. in Kgs.
2 x 14W TA	230 V	0.14	0.96	9.250

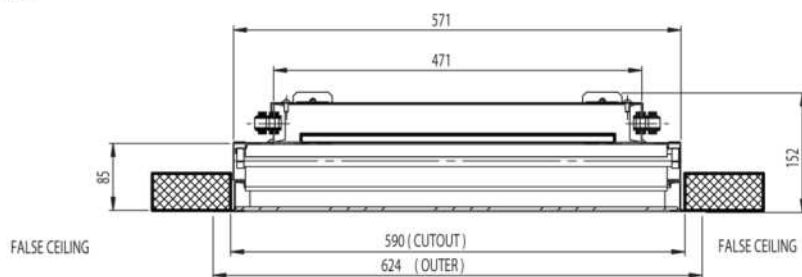
Cleanroom verlichting

Model REI 4T5 14 GV HP B

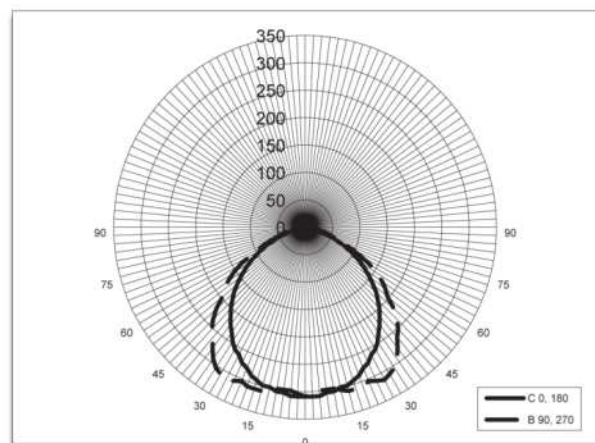
FRONT VIEW



SIDE VIEW



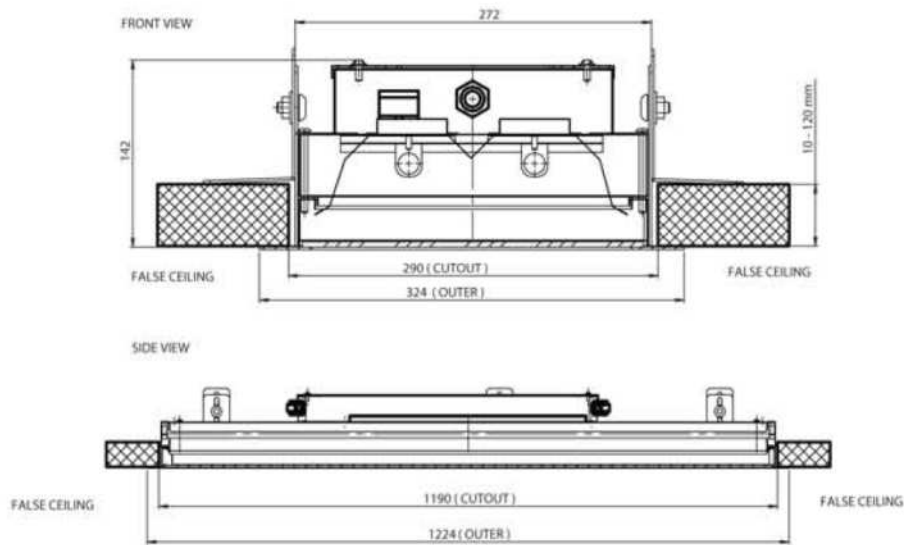
Cut Out: 590 x 590 mm



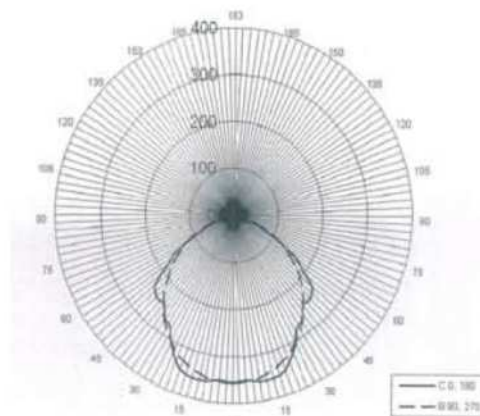
Lamp Type & Wattage (W)	Nominal Voltage (V)	Mains Current in Amps. at 230 V	Power Factor	Nett. Wt. in Kgs.
4 x 14W TA	230 V	0.33	0.96	13.050

Cleanroom verlichting

Model REI 2T5 54 GV HP B



Cut Out: - 290mm x 1190mm



Lamp Type & Wattage (W)	Nominal Voltage (V)	Mains Current in Amps. at 230 V	Power Factor	Nett. Wt. in Kgs.
2 x 54W TA	230 V	0.5	0.992	13.950

Cleanroom verlichting

Model REO T5 GB HP C



Afscherming :	helder gehard glas
Beschermingsgraad :	IP 65 (cleanroomzijde)
Lichtverdeling:	parabolisch gevormde aluminium reflector
Uitvoering :	opbouw
Servicezijde :	cleanroom (onder)
Behuizing :	gepoedercoat staal / aluminium
Opties :	snoer met stekker HF ESVA dimbaar (0-10V) dimbaar (digitaal) noodverlichting (accu)

Cleanroom verlichting

Model LUO T5 GB HP C



Afscherming :	helder gehard glas
Beschermingsgraad :	IP 54 (cleanroomzijde)
Lichtverdeling:	parabolisch gevormde aluminium reflector
Uitvoering :	opbouw
Servicezijde :	cleanroom (onder)
Behuizing :	gepoedercoat staal / aluminium
Opties :	snoer met stekker
	IP 65
	HF ESVA
	dimbaar (0-10V)
	dimbaar (digitaal)
	noodverlichting (accu)

Afmetingen	Lamptype	Gewicht
635 x 310 x 85 mm	2 x 14 W TL5	6 kg
635 x 310 x 85 mm	2 x 24 W TL5	6 kg
635 x 430 x 85 mm	3 x 14 W TL5	8 kg
635 x 430 x 85 mm	3 x 24 W TL5	8 kg
635 x 635 x 85 mm	4 x 14 W TL5	10 kg
635 x 635 x 85 mm	4 x 24 W TL5	10 kg
1235 x 310 x 85 mm	2 x 28 W TL5	10 kg
1235 x 310 x 85 mm	2 x 58 W TL5	10 kg
1235 x 430 x 85 mm	2 x 28 W TL5	15 kg
1235 x 430 x 85 mm	2 x 54 W TL5	15 kg
1235 x 635 x 85 mm	4 x 28 W TL5	20 kg
1235 x 635 x 85 mm	4 x 54 W TL5	20 kg
1535 x 310 x 85 mm	2 x 35 W TL5	13 kg
1535 x 310 x 85 mm	2 x 49 W TL5	13 kg
1535 x 310 x 85 mm	2 x 80 W TL5	13 kg
1535 x 430 x 85 mm	3 x 35 W TL5	20 kg
1535 x 430 x 85 mm	3 x 49 W TL5	20 kg
1535 x 430 x 85 mm	3 x 80 W TL5	20 kg
1535 x 635 x 85 mm	4 x 35 W TL5	27 kg
1535 x 635 x 85 mm	4 x 49 W TL5	27 kg
1535 x 635 x 85 mm	4 x 80 W TL5	27 kg

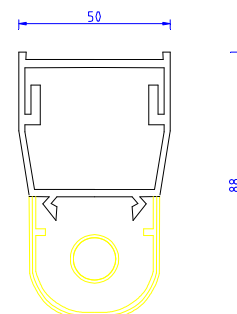
Cleanroom verlichting

Model ASO AK OG



Afscherming :
Beschermingsgraad :
Lichtverdeling:
Uitvoering :
Behuizing :
Opties :

acrylaat
IP 20
opaal
opbouw teardrop
wit gelakt staal
andere afmetingen
snoer met stekker



Afmetingen

1250 x 50 x 88 mm
1250 x 50 x 88 mm

Lamptype

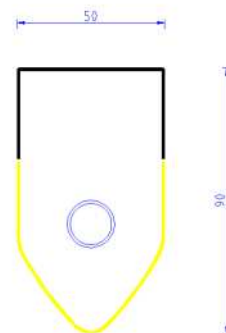
TL5 54 W
TL5 28 W

Cleanroom verlichting

Model SCO AK OG



Afscherming :	acrylaat
Beschermingsgraad :	IP 20
Lichtverdeling:	opaal
Uitvoering :	opbouw teardrop
Behuizing :	gepoedercoat staal
Opties :	andere afmetingen
	snoer met stekker
	RVS behuizing
	RAL kleuren
	IP 54
	TL 8
	noodverlichting

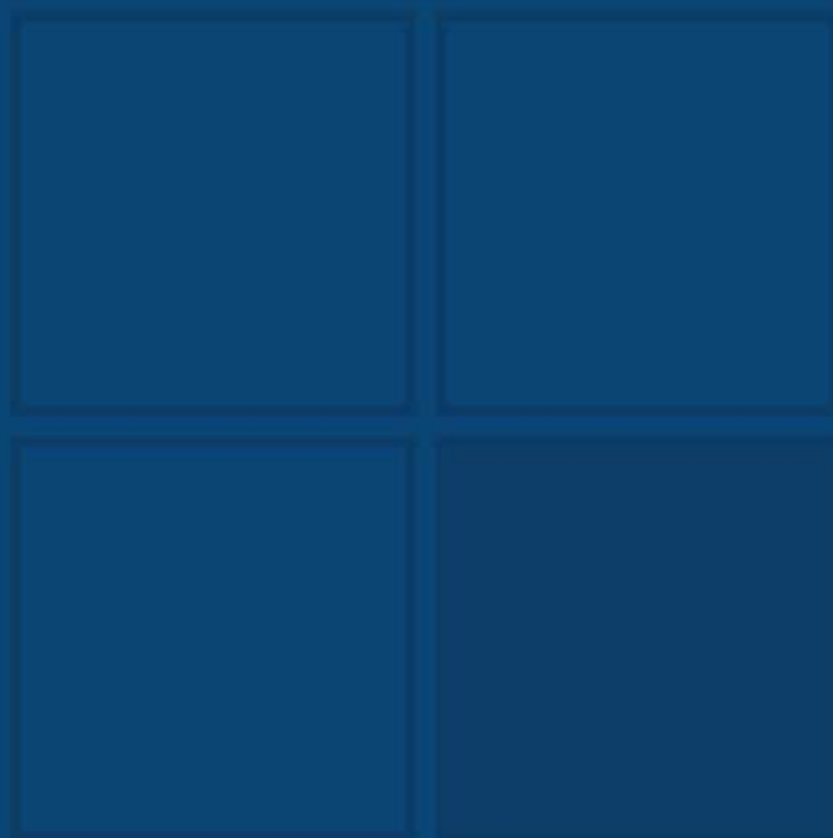


Afmetingen

600 x 90 x 50 mm
600 x 90 x 50 mm
1200 x 90 x 50 mm
1200 x 90 x 50 mm
1500 x 90 x 50 mm
1500 x 90 x 50 mm

Lamptype

14 W
24 W
28 W
64 W
35 W
49 W



CLEANROOM LIGHTING



Lighting specialists for clean rooms and controlled environments

This new edition of the catalogue displays our extensive product range which has grown around customer requirements and strengthens our position as a market leader in the clean room lighting industry.

Quality, innovation and value are the hall mark of our products. Our commitment to continuous investment and development ensures that we respond quickly to customer requirements for both standard products and bespoke solutions.



Lighting Design

We offer a lighting design service that will prepare schemes from the simplest to the most demanding installations. Photometric data is available for those who wish to produce their own schemes.



Distribution

With a large range of luminaires available ex-stock and a fast turnaround capacity for bespoke products, we distribute throughout the U.K. and export to countries worldwide. Dedicated to meeting delivery deadlines, we strive to provide the products where and when you need them.

Quality Assurance

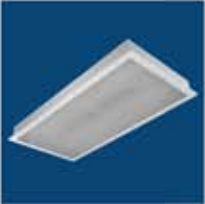
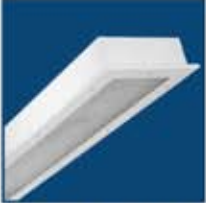
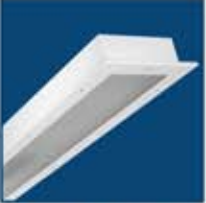
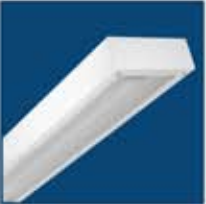
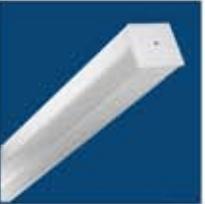
Assessed to BS EN ISO 9001: 2000, customers are ensured that products are subject to strict quality control.



Cert. No. GB 14033

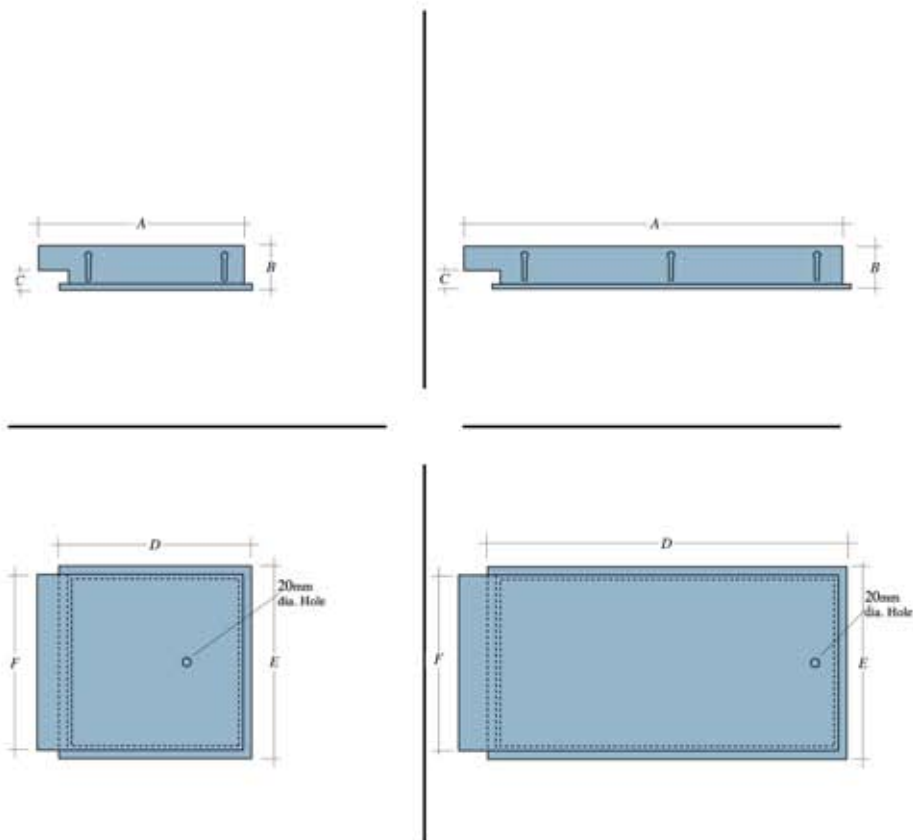


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			PROTEC Spring Tee 9	C10K Spring Tee 11	C10K MASTER Spring Tee 13	
						Cut Aperture
C10K Cut Aperture 15	C10K MASTER Cut Aperture 17	C10K MASTER PLUS Cut Aperture 19	C10K EXTREME Cut Aperture 21	C10K ACCESS PANEL Cut Aperture 23	C10K REAR ACCESS Cut Aperture 25	
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PROTEC T25 Grid

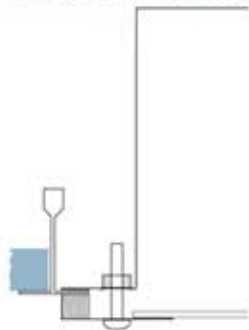
IP54/20 Modular recessed luminaire for T25 grid ceilings.



Dimensions

CODE	Size (mm)						CUT OUT (mm)
	A	B	C	D	E	F	
PROTG6063	610	102	45	595	595	545	575 x 575
PROTG6064	610	102	45	595	595	545	575 x 575
PROTG1263	1220	102	45	1195	595	545	1175 x 575
PROTG1264	1220	102	45	1195	595	545	1175 x 575

Installation Detail



PROTEC T25 Grid

IP54/20 Modular recessed luminaire for T25 grid ceilings.

Providing IP54 protection to the front of the luminaire. Applications where the integrity of the room is not critical during lamp change.

- Food Preparation
- Clean Manufacturing
- Kitchens
- Unclassified areas

Specification

- IP54 Rated front
- IP20 Rated back
- High frequency control gear
- TP(a) Prismatic diffuser
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
PROTG6063	600 x 600	3 x 18w	3 x 14w
PROTG6064	600 x 600	4 x 18w	4 x 14w
PROTG1263	1200 x 600	3 x 36w	3 x 28w
PROTG1264	1200 x 600	4 x 36w	4 x 28w

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2
To suit Cut Aperture ceilings	CA

Add suffix as required i.e. PROTG6063 / T8 / EM3

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. PROTG6063 / T8

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

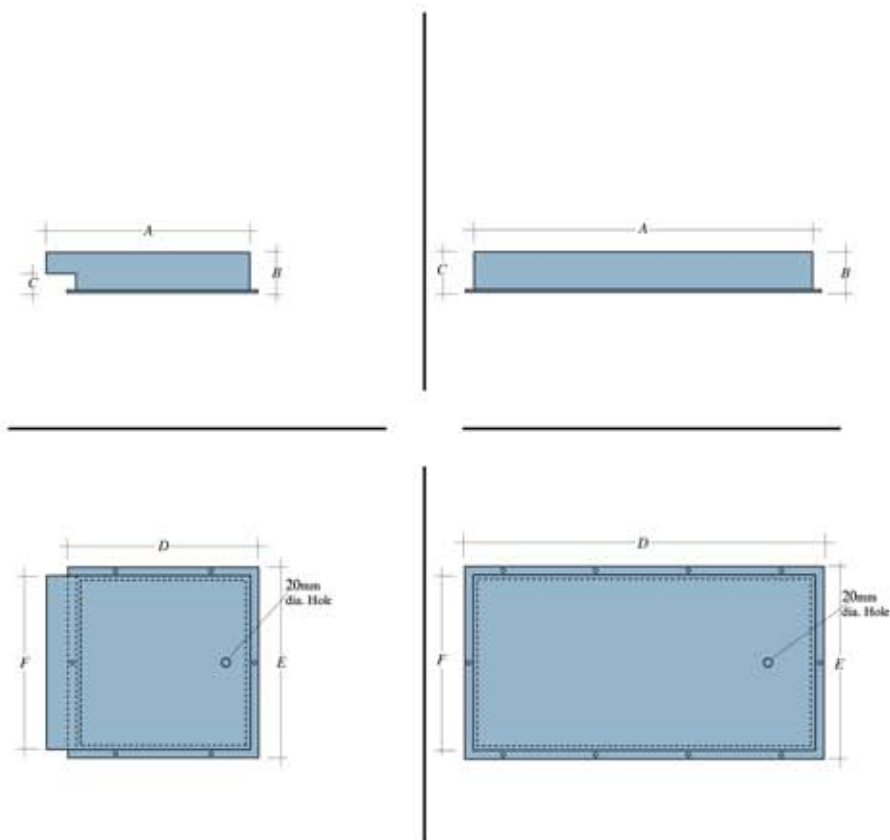
Cut Aperture

Surface

Technical Data

C10K T25 Grid

IP54/54 Modular recessed luminaire for T25 grid ceilings.

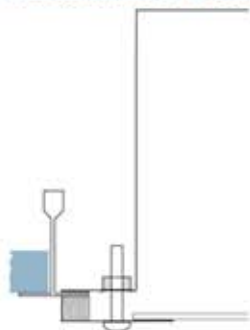


Dimensions

CODE	A	B	SIZE (mm)		E	F	CUT OUT (mm)
			C	D			
C10KTG6063	670	102	45	595	595	545	575 x 575
C10KTG6064	670	102	45	595	595	545	575 x 575
C10KTG1232	1145*	102	100**	1195	295	245	1175 x 275
C10KTG1263	1145*	102	100**	1195	595	545	1175 x 575
C10KTG1264	1145*	102	100**	1195	595	545	1175 x 575
C10KTG1832	1880	102	45	1795	295	245	1775 x 275
C10KTG1863	1880	102	45	1795	595	545	1775 x 575
C10KTG1864	1880	102	45	1795	595	545	1775 x 575

* T5 option is 1245mm. ** No cranked end cap for T8 option.

Installation Detail



C10K T25 Grid

IP54/54 Modular recessed luminaire for T25 grid ceilings.

Tried, tested and providing substantial ingress protection, quality and affordability merge together in the C10K range.

- Clean room class 100'000
- Healthcare
- Food Processing
- Unclassified Areas

Specification

- IP54 Rated front
- IP54 Rated back
- High frequency control gear
- Detachable gear tray
- TP(a) Prismatic diffuser
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KTG6063	600 x 600		3 x 14w
C10KTG6064	600 x 600		4 x 14w
C10KTG1232	1200 x 300	2 x 38w	2 x 28w
C10KTG1263	1200 x 600	3 x 38w	3 x 28w
C10KTG1264	1200 x 600	4 x 38w	4 x 28w
C10KTG1832	1800 x 300	2 x 70w	
C10KTG1863	1800 x 600	3 x 70w	
C10KTG1864	1800 x 600	4 x 70w	

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KTG6063 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2
50mm Grid Compatible	G50

Add suffix as required i.e. C10KTG6063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

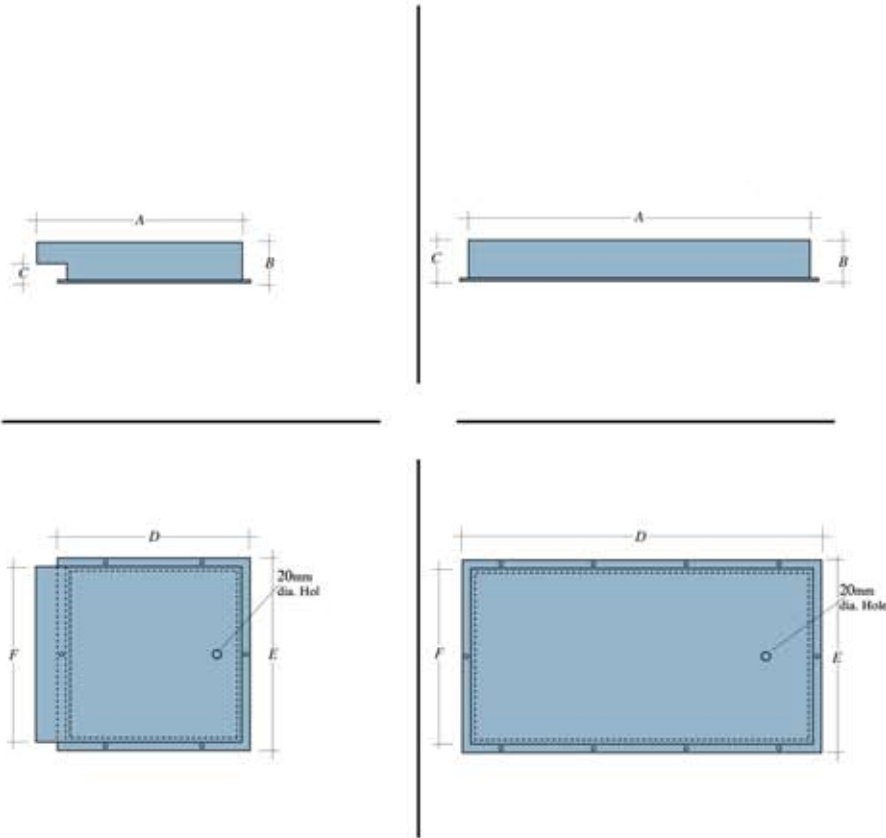
Cut Aperture

Surface

Technical Data

C10K MASTER T25 Grid

IP65/54 Modular recessed luminaire for T25 grid ceilings.

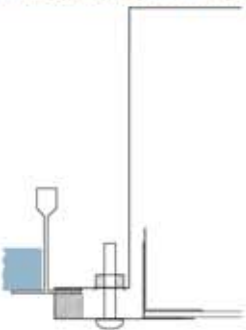


Dimensions

CODE	Size (mm)						CUT OUT (mm)
	A	B	C	D	E	F	
C10KMTG6063	670	102	45	595	595	545	575 x 575
C10KMTG6064	670	102	45	595	595	545	575 x 575
C10KMTG1232	1145*	102	100**	1195	295	245	1175 x 275
C10KMTG1263	1145*	102	100**	1195	595	545	1175 x 575
C10KMTG1264	1145*	102	100**	1195	595	545	1175 x 575
C10KMTG1832	1880	102	45	1795	295	245	1775 x 275
C10KMTG1863	1880	102	45	1795	595	545	1775 x 575
C10KMTG1864	1880	102	45	1795	595	545	1775 x 575

* T5 option is 1245mm. ** No cranked end cap for T8 option.

Installation Detail



C10K MASTER T25 Grid

IP65/54 Modular recessed luminaire for T25 grid ceilings.

Dual IP rated, IP65 with front frame on and IP54 with front frame removed, the Master range is suited to most classes of clean rooms.

- Clean rooms class 10'000
- Healthcare
- Pharmaceutical
- Operating Theatres
- Food Processing
- Aseptic Suites

Specification

- IP65 Rated front
- IP54 Rated back
- High frequency control gear
- Detachable gear tray
- TP(a) Prismatic diffuser
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KMTG6063	600 x 600		3 x 14w
C10KMTG6064	600 x 600		4 x 14w
C10KMTG1232	1200 x 300	2 x 38w	2 x 28w
C10KMTG1263	1200 x 600	3 x 38w	3 x 28w
C10KMTG1264	1200 x 600	4 x 38w	4 x 28w
C10KMTG1832	1800 x 300	2 x 70w	
C10KMTG1863	1800 x 600	3 x 70w	
C10KMTG1864	1800 x 600	4 x 70w	

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KMTG6063 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2
50mm Grid Compatible	G50

Add suffix as required i.e. C10KMTG6063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

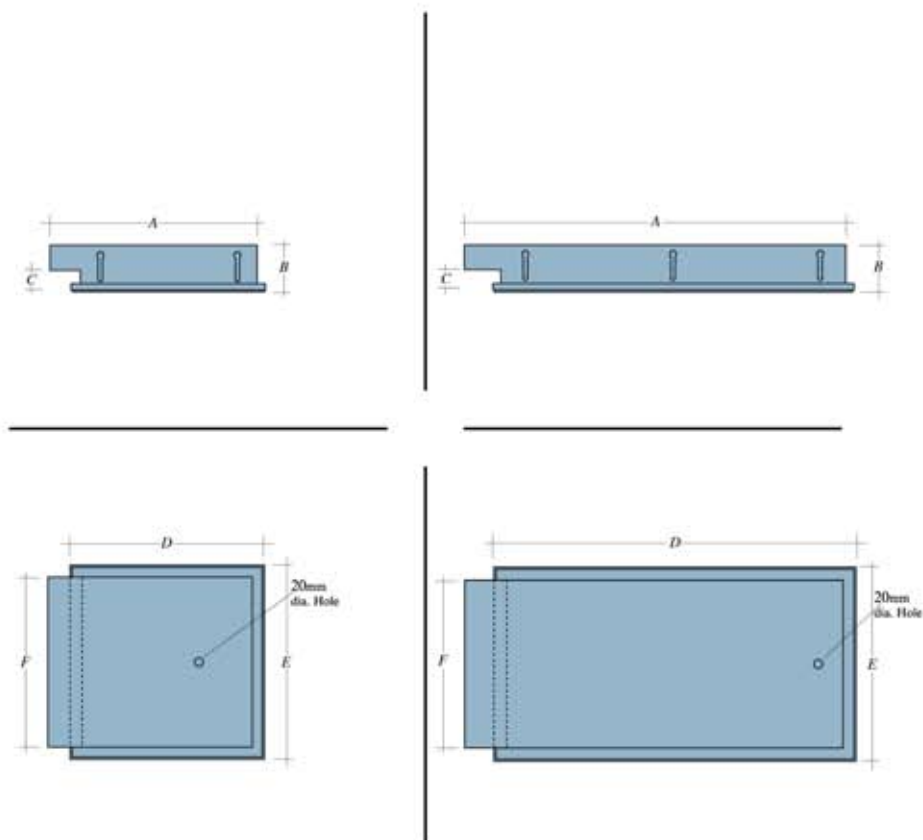
Cut Aperture

Surface

Technical Data

PROTEC Spring Tee

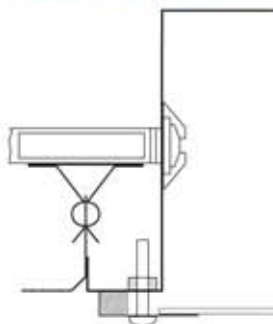
IP54/20 Modular recessed luminaire for spring tee ceilings.



Dimensions

CODE	A	B	Size (mm)				CUT OUT (mm)
			C	D	E	F	
PROST6063	610	110	45	599	599	519	599 x 599
PROST6064	610	110	45	599	599	519	599 x 599
PROST1263	1220	110	45	1199	599	519	1199 x 599
PROST1264	1220	110	45	1199	599	519	1199 x 599

Installation Detail



PROTEC Spring Tee

IP54/20 Modular recessed luminaire for spring tee ceilings.

Providing IP54 protection to the front of the luminaire. Applications where the integrity of the room is not critical during lamp change.

- Food Preparation
- Clean Manufacturing
- Pharmaceutical
- Kitchens
- Unclassified areas

Specification

- IP54 Rated front
- IP20 Rated back
- High frequency control gear
- TP(a) Prismatic diffuser
- Side arm suspension
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
PROST6063	600 x 600	3 x 18w	3 x 14w
PROST6064	600 x 600	4 x 18w	4 x 14w
PROST1263	1200 x 600	3 x 36w	3 x 28w
PROST1264	1200 x 600	4 x 36w	4 x 28w

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2

Add suffix as required i.e. PROST6063 / T8 / EM3

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. PROST6063 / T8

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

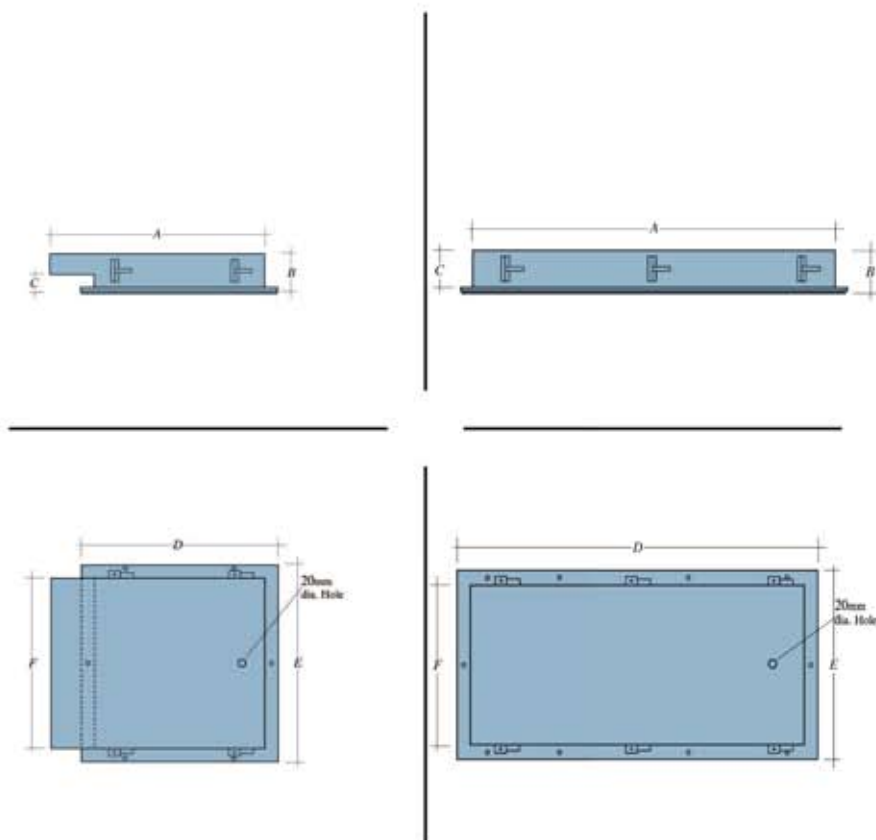
Cut Aperture

Surface

Technical Data

C10K Spring Tee

IP54/54 Modular recessed luminaire for spring tee ceilings.

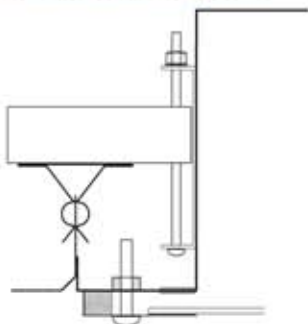


Dimensions

CODE	A	B	Size (mm)		E	F	CUT OUT (mm)
			C	D			
C10KST6063	620	110	45	599	599	515	599 x 599
C10KST6064	620	110	45	599	599	515	599 x 599
C10KST1232	1115*	110	100**	299	1199	215	1199 x 299
C10KST1263	1115*	110	100**	599	1199	515	1199 x 599
C10KST1264	1115*	110	100**	599	1199	515	1199 x 599

* TS option is 1215mm. ** No cranked end cap for T8 option.

Installation Detail



C10K Spring Tee

IP54/54 Modular recessed luminaire for spring tee ceilings.

Tried, tested and providing substantial ingress protection, quality and affordability merge together in the C10K range.

- Clean rooms class 100'000
- Healthcare
- Food Processing
- Unclassified Areas

Specification

- IP54 Rated front
- IP54 Rated back
- High frequency control gear
- Detachable gear tray
- TP(a) Prismatic diffuser
- Side arm suspension
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KST6063	600 x 600		3 x 14w
C10KST6064	600 x 600		4 x 14w
C10KST1232	1200 x 300	2 x 38w	2 x 28w
C10KST1263	1200 x 600	3 x 38w	3 x 28w
C10KST1264	1200 x 600	4 x 38w	4 x 28w

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2

Add suffix as required i.e. C10KST6063 / T8 / EM3

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KST6063 / T8

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

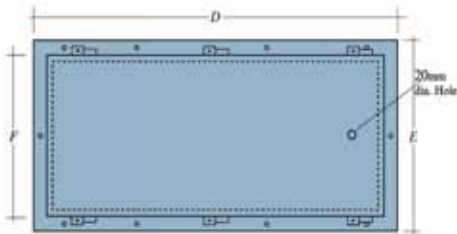
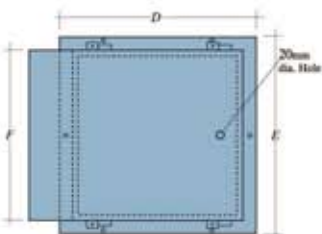
Cut Aperture

Surface

Technical Data

C10K MASTER Spring Tee

IP65/54 Modular recessed luminaire for spring tee ceilings.

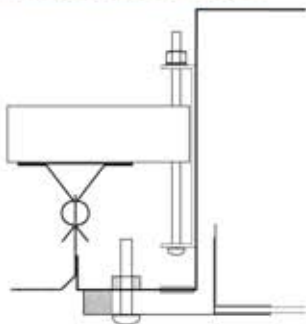


Dimensions

CODE	A	B	Size (mm)		E	F	CUT OUT (mm)
			C	D			
C10KMST6063	620	110	45	599	599	515	599 x 599
C10KMST6064	620	110	45	599	599	515	599 x 599
C10KMST1232	1115*	110	100**	1199	299	215	1199 x 299
C10KMST1263	1115*	110	100**	1199	599	515	1199 x 599
C10KMST1264	1115*	110	100**	1199	599	515	1199 x 599

* T5 option is 1215mm. ** No cranked end cap for T8 option.

Installation Detail



C10K MASTER Spring Tee

IP65/54 Modular recessed luminaire for spring tee ceilings.

Dual IP rated, IP65 with front frame on and IP54 with front frame removed, the Master range is suited to most classes of clean rooms.

- Clean rooms class 10'000
- Healthcare
- Pharmaceutical
- Operating Theatres
- Food Processing
- Aseptic Suites

Specification

- IP65 Rated front
- IP54 Rated back
- High frequency control gear
- Detachable gear tray
- TP(a) Prismatic diffuser
- Side arm suspension
- Supplied with lamps

Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KMST6063	600 x 600		3 x 14w
C10KMST6064	600 x 600		4 x 14w
C10KMST1232	1200 x 300	2 x 38w	2 x 28w
C10KMST1263	1200 x 600	3 x 38w	3 x 28w
C10KMST1264	1200 x 600	4 x 38w	4 x 28w

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KMST6063 / T8



OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2

Add suffix as required i.e. C10KMST6063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

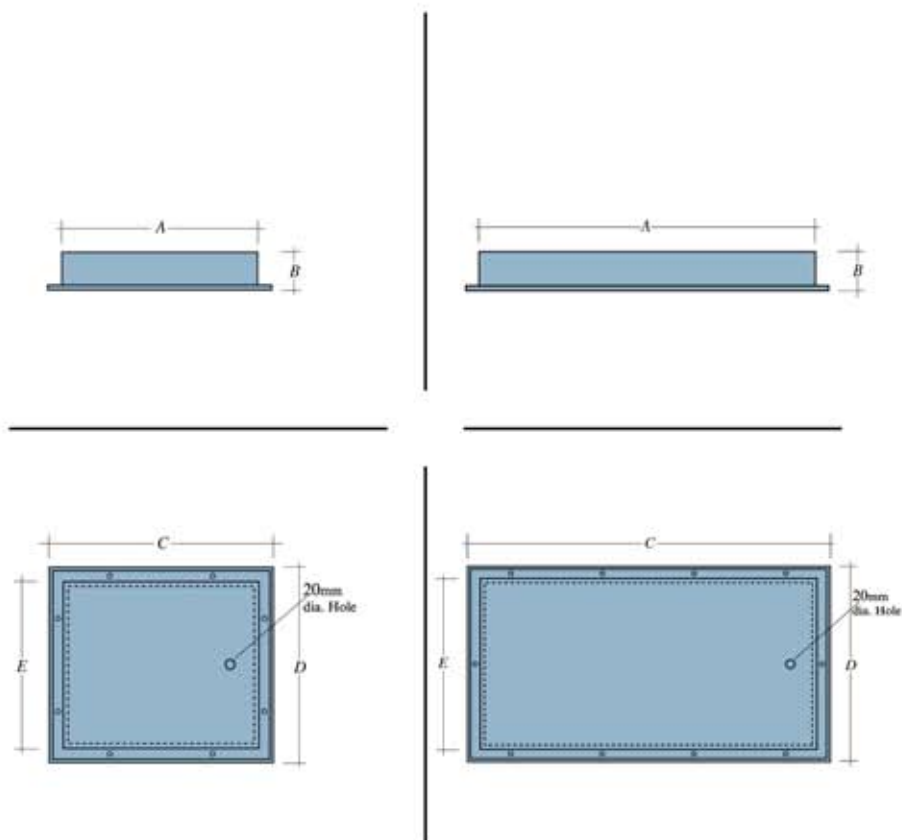
Cut Aperture

Surface

Technical Data

C10K Cut Aperture

IP54/54 Non-Modular recessed luminaire for cut aperture ceiling.

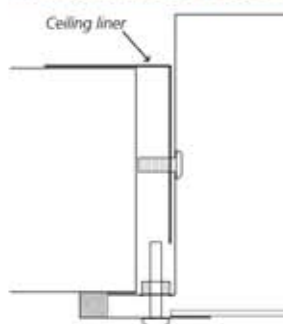


Dimensions

CODE	A	B	SIZE (mm)			CUT OUT (mm)	
			C	D	E	T8	T5
C10KCA7063	635	102	705	615	545		665 x 575
C10KCA7064	635	102	705	615	545		665 x 575
C10KCA1232	1145*	102	1215*	315	245	1175 x 275	1275 x 575
C10KCA1263	1145*	102	1215*	615	545	1175 x 575	1275 x 575
C10KCA1264	1145*	102	1215*	615	545	1175 x 575	1275 x 575
C10KCA1532	1545	102	1615	315	245	1575 x 275	1575 x 275
C10KCA1832	1825	102	1895	315	245	1855 x 275	

* T5 option add 100mm to dim. A + C.

Installation Detail



Ceiling liner See page 30.

C10K Cut Aperture

IP54/54 Non-Modular recessed luminaire for cut aperture ceiling.

Tried, tested and providing substantial ingress protection, quality and affordability merge together in the C10K range.

- Clean rooms class 100'000
- Healthcare
- Food Processing
- Unclassified Areas

Specification

- IP54 Rated front
- IP54 Rated back
- High frequency control gear
- Detachable gear tray
- TP(a) Prismatic diffuser
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KCA7063	700 x 600		3 x 14w
C10KCA7064	700 x 600		4 x 14w
C10KCA1232	1200 x 300	2 x 38w	2 x 28w
C10KCA1263	1200 x 600	3 x 38w	3 x 28w
C10KCA1264	1200 x 600	4 x 38w	4 x 28w
C10KCA1532	1500 x 300	2 x 58w	2 x 35w
C10KCA1832	1800 x 300	2 x 70w	

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KCA7063 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2
Side Arm Suspension	SAS
Drop Rod Holes	DRH

Add suffix as required i.e. C10KCA7063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

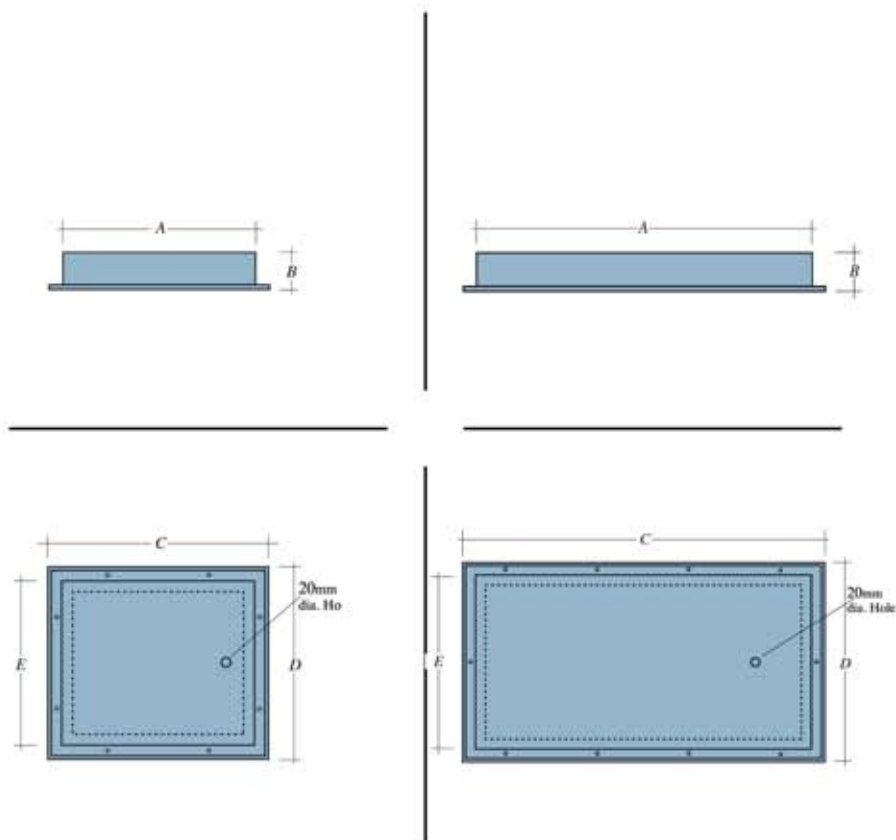
Cut Aperture

Surface

Technical Data

C10K MASTER Cut Aperture

IP65/54 Non-Modular recessed luminaire for cut aperture ceiling.

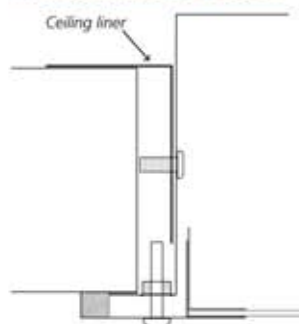


Dimensions

CODE	A	B	SIZE (mm)			CUT OUT (mm)	
			C	D	E	T8	T5
C10KMCA7063	635	102	705	615	545		665 x 575
C10KMCA7064	635	102	705	615	545		665 x 575
C10KMCA1232	1145*	102	1215*	315	245	1175 x 275	1275 x 575
C10KMCA1263	1145*	102	1215*	615	545	1175 x 575	1275 x 575
C10KMCA1264	1145*	102	1215*	615	545	1175 x 575	1275 x 575
C10KMCA1532	1545	102	1615	315	245	1575 x 275	1575 x 275
C10KMCA1832	1825	102	1895	315	245	1855 x 275	

* T5 option add 100mm to dim. A + C.

Installation Detail



Ceiling liner See page 30.

C10K MASTER Cut Aperture

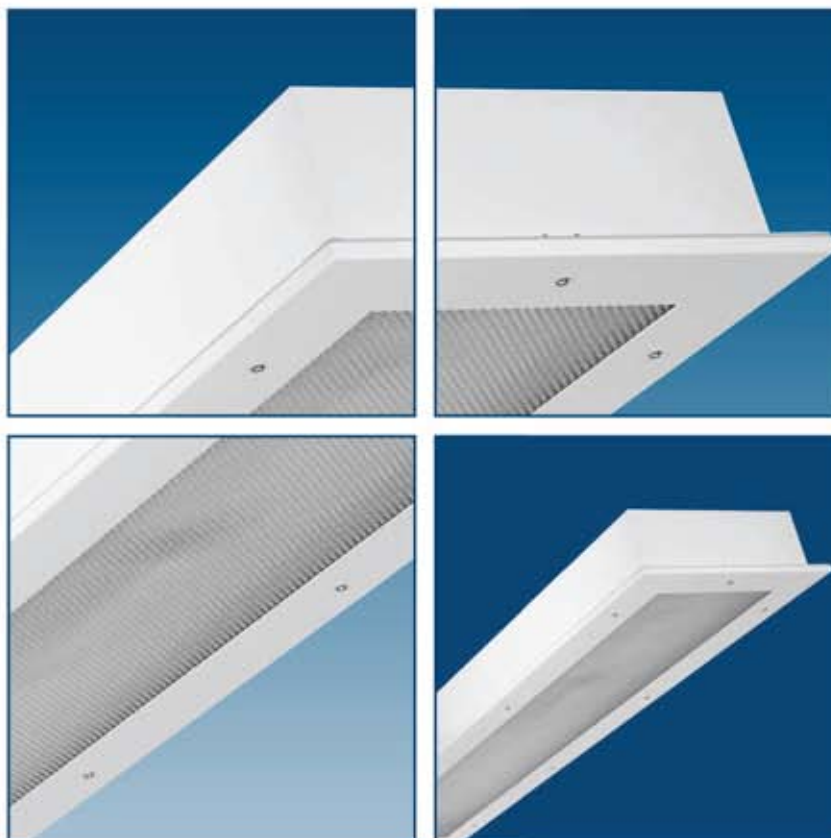
IP65/54 Non-Modular recessed luminaire for cut aperture ceiling.

Dual IP rated, IP65 with front frame on and IP54 with front frame removed, the Master range is suited to most classes of clean rooms.

- Clean rooms class 10'000
- Healthcare
- Pharmaceutical
- Operating Theatres
- Food Processing
- Aseptic Suites

Specification

- IP65 Rated front
- IP54 Rated back
- High frequency control gear
- Detachable gear tray
- TP(a) Prismatic diffuser
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KMCA7063	700 x 600		3 x 14w
C10KMCA7064	700 x 600		4 x 14w
C10KMCA1232	1200 x 300	2 x 38w	2 x 28w
C10KMCA1263	1200 x 600	3 x 38w	3 x 28w
C10KMCA1264	1200 x 600	4 x 38w	4 x 28w
C10KMCA1532	1500 x 300	2 x 58w	2 x 35w
C10KMCA1832	1800 x 300	2 x 70w	

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KMCA7063 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2
Side Arm Suspension	SAS
Drop Rod Holes	DRH

Add suffix as required i.e. C10KMCA7063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

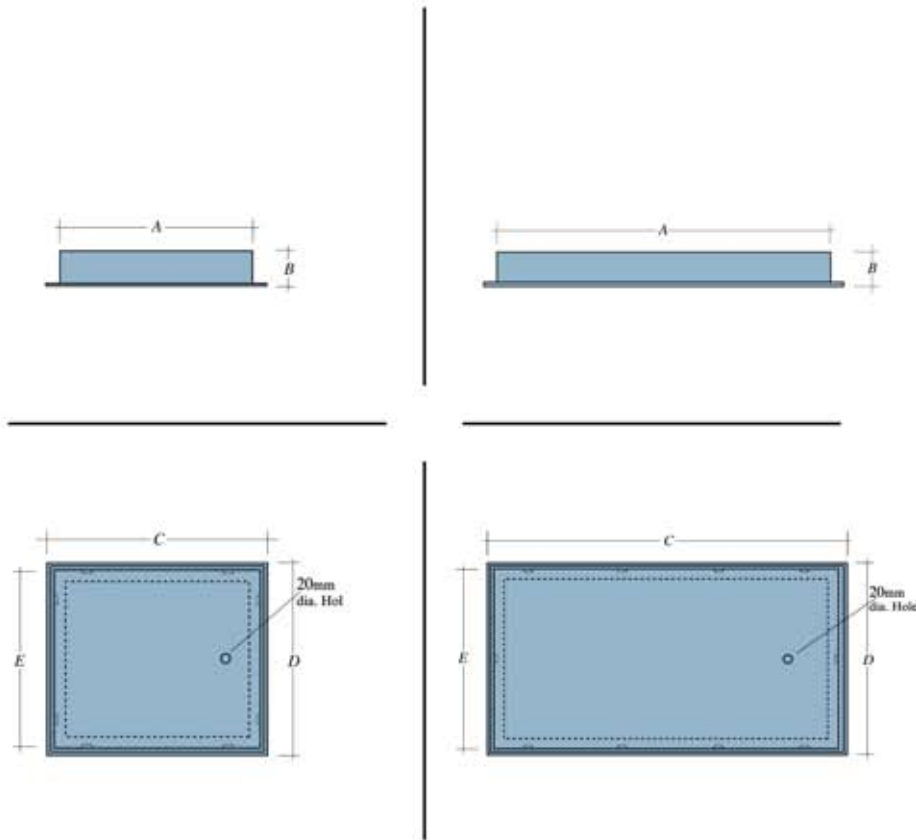
Cut Aperture

Surface

Technical Data

C10K MASTER PLUS Cut Aperture

IP65/64 Non-Modular recessed luminaire for cut aperture ceiling.

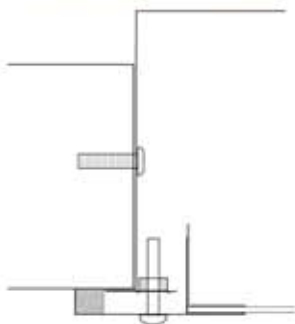


Dimensions

CODE	A	B	SIZE (mm)		E	CUT OUT (mm)	
			C	D		T8	T5
C10KMP7063	661	102	705	615	572		665 x 575
C10KMP7064	661	102	705	615	572		665 x 575
C10KMP1232	1171*	102	1215*	315	272	1175 x 275	1275 x 275
C10KMP1263	1171*	102	1215*	615	572	1175 x 575	1275 x 575
C10KMP1264	1171*	102	1215*	615	572	1175 x 575	1275 x 575
C10KMP1532	1571	102	1615	315	272	1575 x 275	1575 x 275
C10KMP1832	1851	102	1895	315	272	1855 x 275	

* T5 option add 100mm to dim. A + C.

Installation Detail



C10K MASTER PLUS Cut Aperture

IP65/64 Non-Modular recessed luminaire for cut aperture ceiling.

With internal front frame fixings the Master Plus provides extra protection, maintaining the integrity of the room to IP64 during lamp change.

- Clean rooms class 1'000
- Healthcare
- Pharmaceutical
- Operating Theatres
- Aseptic Suites

Specification

- IP65 Rated front
- IP64 Rated back
- High frequency control gear
- Detachable gear tray
- TP(a) Prismatic diffuser
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KMP7063	700 x 600		3 x 14w
C10KMP7064	700 x 600		4 x 14w
C10KMP1232	1200 x 300	2 x 38w	2 x 28w
C10KMP1263	1200 x 600	3 x 38w	3 x 28w
C10KMP1264	1200 x 600	4 x 38w	4 x 28w
C10KMP1532	1500 x 300	2 x 58w	2 x 35w
C10KMP1832	1800 x 300	2 x 70w	

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KMP7063 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2
Side Arm Suspension	SAS
Drop Rod Holes	DRH

Add suffix as required i.e. C10KMP7063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

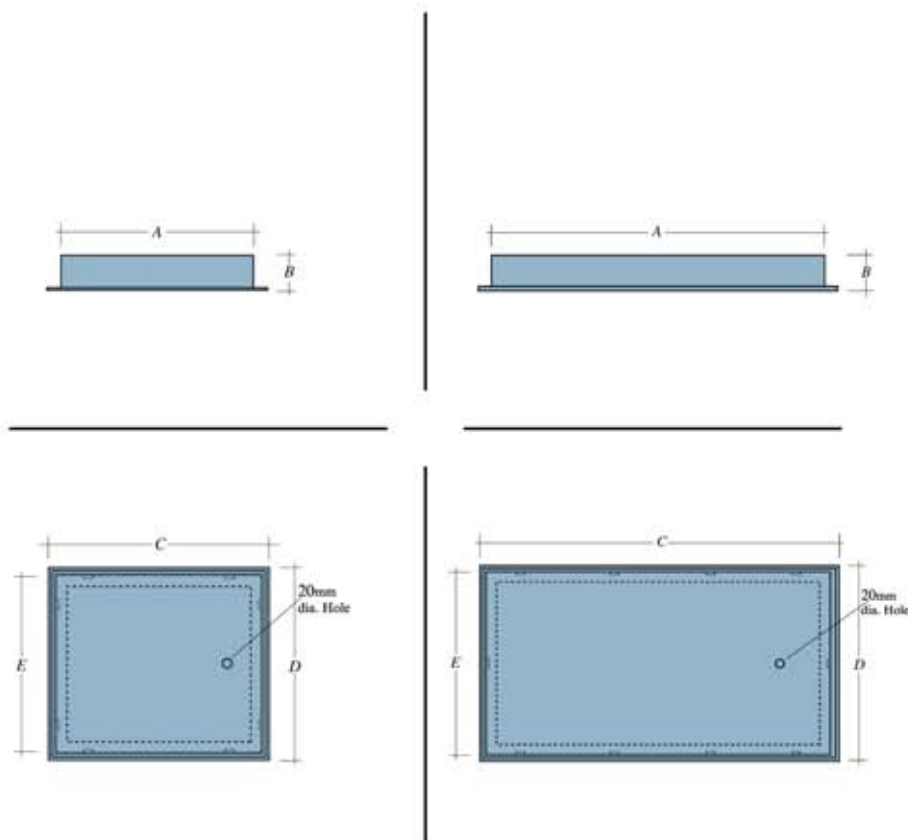
Cut Aperture

Surface

Technical Data

C10K EXTREME Cut Aperture

IP65/65 Non-Modular recessed luminaire for cut aperture ceiling.

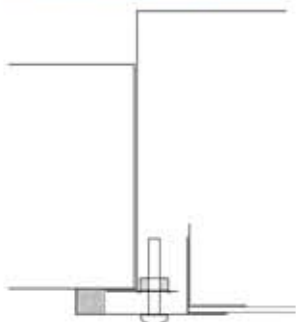


Dimensions

CODE	A	B	SIZE (mm)		E	CUT OUT (mm)	
			C	D		T8	T5
C10KEXT7063	661	102	705	615	572		665 x 575
C10KEXT7064	661	102	705	615	572		665 x 575
C10KEXT1232	1171*	102	1215*	315	272	1175 x 275	1275 x 275
C10KEXT1263	1171*	102	1215*	615	572	1175 x 575	1275 x 575
C10KEXT1264	1171*	102	1215*	615	572	1175 x 575	1275 x 575
C10KEXT1532	1571	102	1615	315	272	1575 x 275	1575 x 275
C10KEXT1832	1851	102	1895	315	272	1855 x 275	

* T5 option add 100mm to dim. A + C.

Installation Detail



C10K EXTREME Cut Aperture

IP65/65 Non-Modular recessed luminaire for cut aperture ceiling.

Providing maximum protection, the C10K Extreme has a fully seam welded construction. Suitable for the most sensitive clean rooms and containment facilities.

- Clean rooms class 100
- Containment Facilities
- Pharmaceutical
- Aseptic Suites

Specification

- IP65 Rated front
- IP65 Rated back
- High frequency control gear
- Detachable gear tray
- TP(a) Prismatic diffuser
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KEXT7063	700 x 600		3 x 14w
C10KEXT7064	700 x 600		4 x 14w
C10KEXT1232	1200 x 300	2 x 38w	2 x 28w
C10KEXT1263	1200 x 600	3 x 38w	3 x 28w
C10KEXT1264	1200 x 600	4 x 38w	4 x 28w
C10KEXT1532	1500 x 300	2 x 58w	2 x 35w
C10KEXT1832	1800 x 300	2 x 70w	

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KEXT7063 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2
Drop Rod Holes	DRH

Add suffix as required i.e. C10KEXT7063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

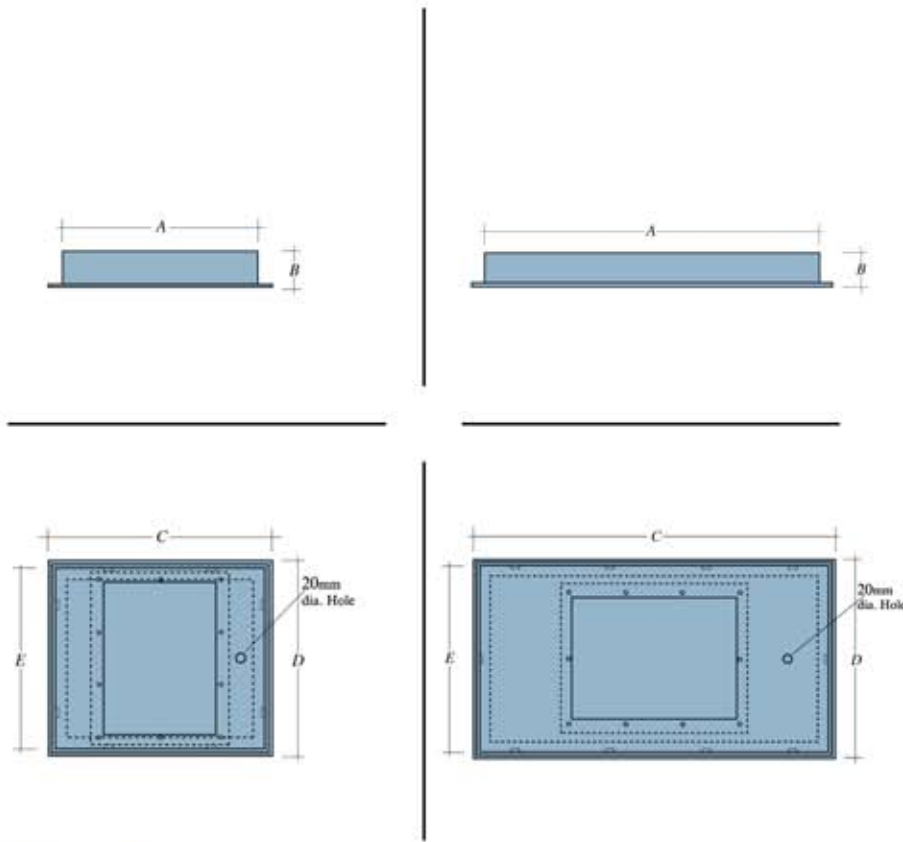
Cut Aperture

Surface

Technical Data

C10K ACCESS PANEL Cut Aperture

IP65/64 Non-Modular recessed luminaire for cut aperture ceiling.

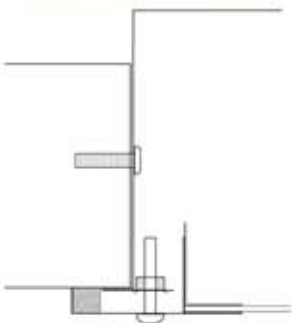


Dimensions

CODE	A	B	SIZE (mm)		E	Access Panel (mm)	CUT OUT (mm)	
			C	D			T8	T5
C10KAP7063	661	102	705	615	572	500 x 380		665 x 575
C10KAP7064	661	102	705	615	572	500 x 380		665 x 575
C10KAP1263	1171*	102	1215*	615	572	500 x 380	1175 x 575	1275 x 575
C10KAP1264	1171*	102	1215*	615	572	500 x 380	1175 x 575	1275 x 575

* T5 option add 100mm to dim. A + C.

Installation Detail



C10K ACCESS PANEL Cut Aperture

IP65/64 Non-Modular recessed luminaire for cut aperture ceiling.

Built to the same specification as our Master Plus range, access to the ceiling void is provided via the luminaire. With both gear tray and access panel removing to below, the required void clearance is kept to a minimum.

- Clean rooms class 1'000
- Healthcare
- Pharmaceutical
- Operating Theatres
- Aseptic Suites

Specification

- IP65 Rated front
- IP64 Rated back
- High frequency control gear
- Detachable gear tray
- Removable Access Panel
- TP(a) Prismatic diffuser
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KAP7063	700 x 600		3 x 14w
C10KAP7064	700 x 600		4 x 14w
C10KAP1263	1200 x 600	3 x 38w	3 x 28w
C10KAP1264	1200 x 600	4 x 38w	4 x 28w

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KAP7063 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2
Side Arm Suspension	SAS
Drop Rod Holes	DRH

Add suffix as required i.e. C10KAP7063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

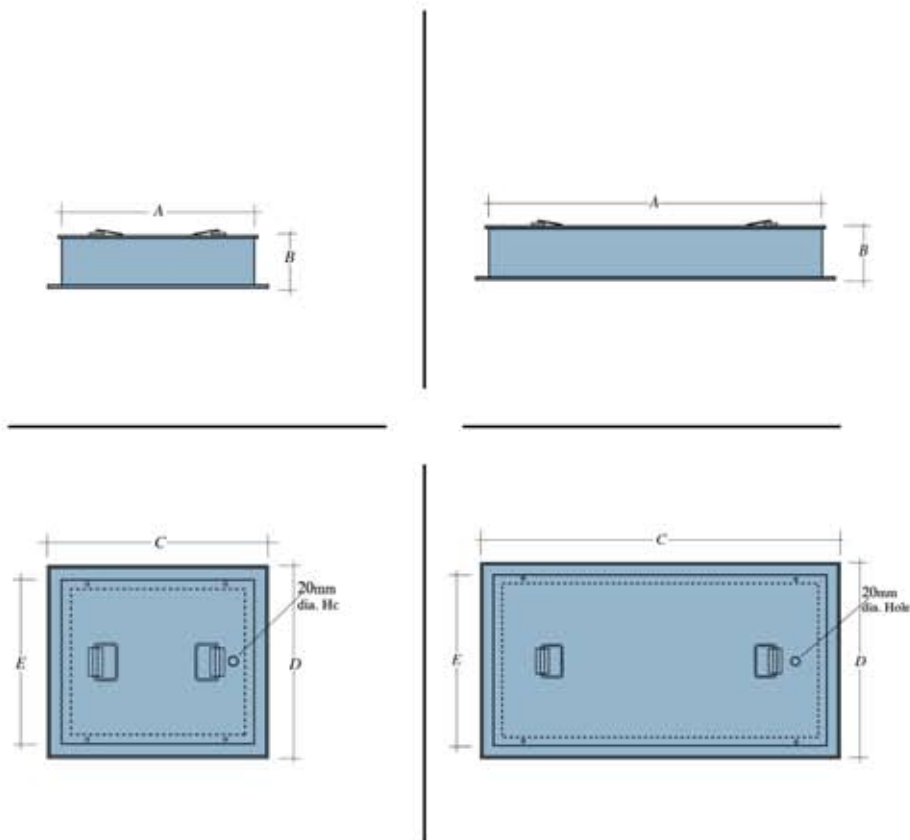
Cut Aperture

Surface

Technical Data

C10K REAR ACCESS Cut Aperture

IP65/54 Non-Modular recessed luminaire for cut aperture ceiling.

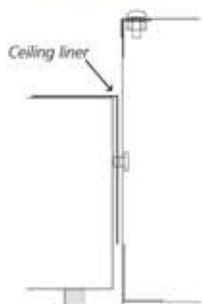


Dimensions

CODE	A	B	SIZE (mm)		E	CUT OUT (mm)	
			C	D		T8	T5
C10KRA7063	635	150 **	685	595	545		645 x 555
C10KRA7064	635	150 **	685	595	545		645 x 555
C10KRA1232	1145 *	150 **	1195 *	295	245	1155 x 255	1255 x 255
C10KRA1263	1145 *	150 **	1195 *	595	545	1155 x 555	1255 x 555
C10KRA1264	1145 *	150 **	1195 *	595	545	1155 x 555	1255 x 555
C10KRA1532	1565	150 **	1615	295	245	1575 x 255	1575 x 255
C10KRA1832	1845	150 **	1895	295	245	1855 x 255	

* T5 option add 100mm to dim. A + C. ** Variable to suit ceiling depth

Installation Detail



Ceiling liner See page 30.

C10K REAR ACCESS Cut Aperture

IP65/54 Non-Modular recessed luminaire for cut aperture ceiling.

Designed specifically for walk-on ceilings, the C10K Rear Access facilitates lamp change from above whilst maintaining the integrity of the room.

- Clean rooms
- Healthcare
- Pharmaceutical
- Operating Theatres
- Food Processing
- Aseptic Suites

Specification

- IP65 Rated front
- IP54 Rated back
- High frequency control gear
- Detachable gear tray
- TP(a) Prismatic diffuser
- Supplied with lamps



Product Range

ORDER CODES	DIMENSIONS	LAMP TYPES	
		T8	T5
C10KRA7063	700 x 600		3 x 14w
C10KRA7064	700 x 600		4 x 14w
C10KRA1232	1200 x 300	2 x 38w	2 x 28w
C10KRA1263	1200 x 600	3 x 38w	3 x 28w
C10KRA1264	1200 x 600	4 x 38w	4 x 28w
C10KRA1532	1500 x 300	2 x 58w	2 x 35w
C10KRA1832	1800 x 300	2 x 70w	

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KRA7063 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2
Drop Rod Holes	DRH

Add suffix as required i.e. C10KRA7063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

Cut Aperture

Surface

Technical Data

C10K Surface Mounted

IP54 Surface mounted luminaire.

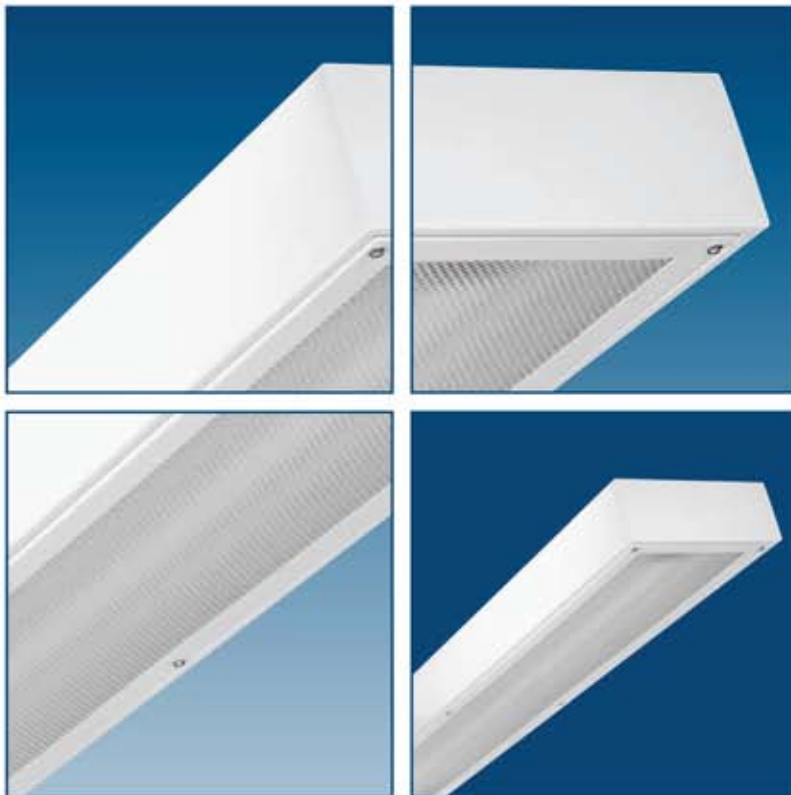
T25 Grid

Spring Tee

Cut Aperture

Surface

Technical Data



Providing all-round protection to IP54, this surface mounted luminaire is well suited to clean areas with solid ceilings.

- Clean rooms
- Healthcare
- Pharmaceutical
- Operating Theatres
- Food Processing

Specification

- IP54 Rated
- High frequency control gear
- TP(a) Prismatic diffuser
- Supplied with lamps

Dimensions

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. C10KSM6063 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
High Frequency Dimmable	HFD
Category 2 Louvre	CT2

Add suffix as required i.e. C10KSM6063 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.



CODE	Size (mm)			LAMP	
	A	B	C	T8	T5
C10KSM6063	650	600	95	3 x 18w	3 x 14w
C10KSM6064	650	600	95	4 x 18w	4 x 14w
C10KSM1232	1240	265	95	2 x 36w	2 x 28w
C10KSM1263	1240	600	95	3 x 36w	3 x 28w
C10KSM1264	1240	600	95	4 x 36w	4 x 28w
C10KSM1532	1555	265	95	2 x 58w	2 x 35w
C10KSM1832	1810	265	95	2 x 70w	



LFL Surface Mounted

IP20 Surface mounted teardrop luminaire.

Surface mounted teardrop luminaire for cleanrooms and equipment where minimal disturbance to airflow is important.

- Micro-electronic industry
- Laminar flow cabinets
- Class 1 clean rooms

Specification

- Designed to minimise disturbance to laminar air flow
- High frequency control gear
- Detachable gear tray
- Extruded aluminium body
- Dimensions allow for filter sleeve
- Supplied with lamps



Dimensions

CODE	Size (mm)			LAMP	
	A	B	C	T8	T5
LFL1200	1250	50	88	1 x 36w	1 x 28w
LFL1500	1550	50	88	1 x 58w	1 x 35w

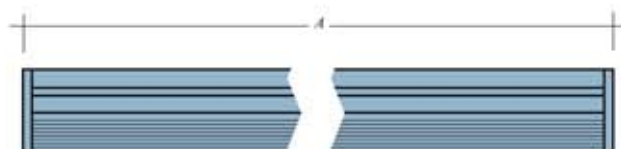
LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. LFL1200 / T8

OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
Add suffix as required i.e. LFL1200 / T8 / EM3	

Self test emergency See page 30.

Photometric data See page 32.



T25 Grid

Spring Tee

Cut Aperture

Surface

Technical Data

HL Surface Mounted

IP20 Surface mounted hospital luminaire.



Fully enclosed surface mounted luminaire with secure end caps, available in both single and twin lamp versions.

- Hospitals
- Schools
- Corridors
- Healthcare

Specification

- High frequency control gear
- TP(b) Acrylic diffuser
- Supplied with lamps

Dimensions

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. HL136 / T8

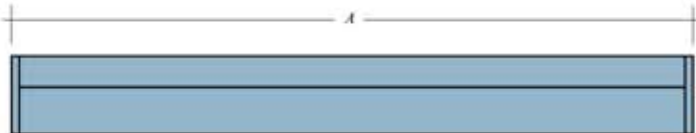
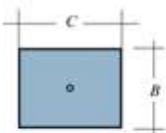
OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
TP(a) Diffuser	TPA
High Frequency Dimmable	HFD

Add suffix as required i.e. HL136 / T8 / EM3

CODE	Size (mm)			LAMP	
	A	B	C	T8	T5
HL136	1270	155	130	1 x 36w	1 x 28w
HL236	1270	155	130	2 x 36w	2 x 28w
HL158	1570	155	130	1 x 58w	1 x 35w
HL258	1570	155	130	2 x 58w	2 x 35w
HL170	1830	155	130	1 x 70w	
HL270	1830	155	130	2 x 70w	

Self test emergency See page 30.

Photometric data See page 32.



WCR Surface Mounted

IP65 Surface mounted weatherpack luminaire.

Well suited for both internal and external applications, these luminaires offer high protection from dust and corrosion.

- Food preparation areas
- Factories
- Breweries
- Service areas
- Cold stores

Specification

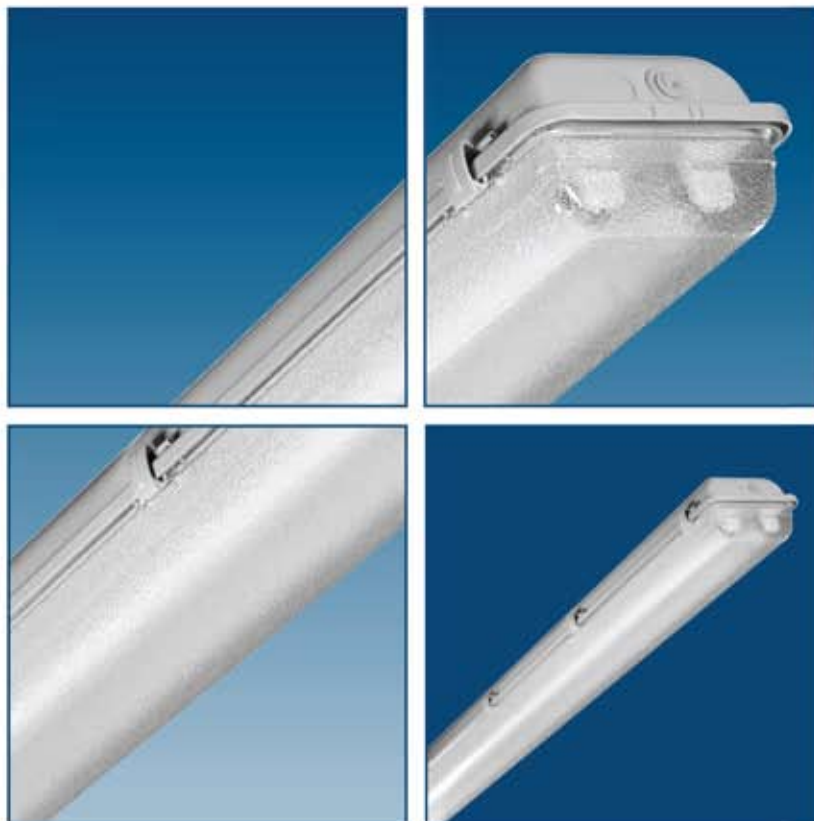
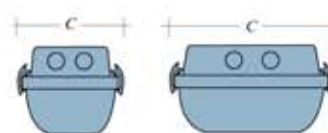
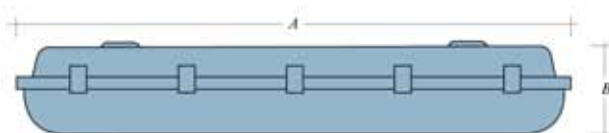
- Vacuum formed polycarbonate diffuser
- GRP housing
- High frequency control gear
- Detachable gear tray
- Supplied with lamps

Dimensions

CODE	Size (mm)			LAMP	
	A	B	C	T8	T5
WCR118	668	105	115	1 x 18w	1 x 14w
WCR218	668	105	185	2 x 18w	2 x 14w
WCR136	1276	105	115	1 x 36w	1 x 28w
WCR236	1276	105	185	2 x 36w	2 x 28w
WCR158	1576	105	115	1 x 58w	1 x 35w
WCR258	1576	105	185	2 x 58w	2 x 35w
WCR170	1840	105	115	1 x 70w	
WCR270	1840	105	185	2 x 70w	

LAMP OPTIONS	SUFFIX
T8 Lamp	T8
T5 High Efficiency lamp	T5
T5 High Output Lamp Options Available	

Add suffix as required i.e. WCR118 / T8



OPTIONS	SUFFIX
Integral 3 Hour Emergency	EM3
110 Volt	110
Cold Store -20c°	CS-20
Cold Store -30c°	CS-30
Stainless Steel Clips	SC
Injection Moulded Diffuser	IMD
Protective Wirecage	WG

Add suffix as required i.e. WCR118 / T8 / EM3

Self test emergency See page 30.

Photometric data See page 32.

T25 Grid

Spring Tee

Cut Aperture

Surface

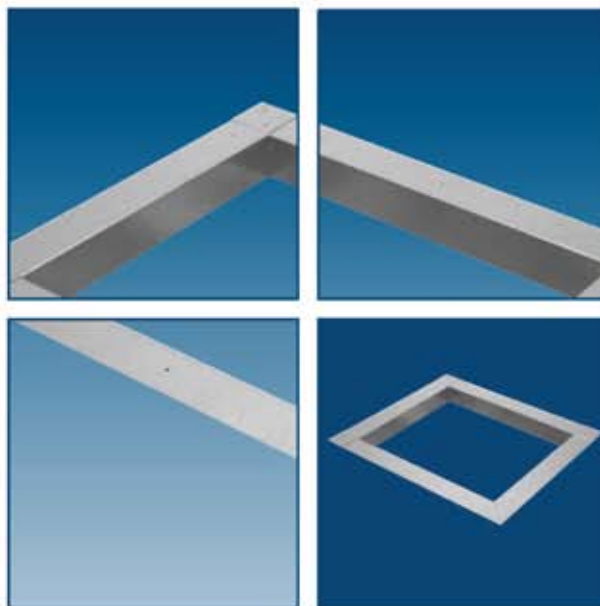
Technical Data

CEILING LINERS Technical Data

A range of ceiling liners are available to suit our **C10K Cut Aperture** luminaires. These are designed specifically for installing our luminaires into cut aperture ceilings, and will suit most types of panel ceilings from 50mm to 150mm thick.

They have a one piece rigid construction and provide extra support to the ceiling for fixing the luminaires. They are both quick and easy to install and give an excellent finish to the ceiling cut out from above i.e walk-on ceilings.

Also available incorporating a safety cover, for walk-on ceilings where there is a risk of personnel treading on the luminaires.



SELF TEST EMERGENCY Technical Data

Range of Self Testing Emergency Controls for Astra Lighting luminaires.

ST The **Self Test ST** product for automatic testing of individual emergency luminaires.

- Bi-colour LEDs indicate individual luminaire status.
- No additional BUS control wires required, for ease of installation.
- Requires no commissioning or programming upon installation.

STM The **Self Test Monitor STM** product for automatic testing of up to 50 emergency luminaires.

- Linked to a central monitor to indicate group luminaire status.
- Facility to integrate with BMS Building Management and Fire Management systems.

STFA The **Self Test Fully Addressable STFA** computer addressable product.

- To monitor up to 64,000 emergency luminaires.
- Modem link facility to include remote installations.
- Programmable automatic testing of individual or groups of luminaires with statutory reports.

Full technical information sheets on these products available on request.

Watt	Length (mm)	Description	Lumen Output			CRI Ra	Average Life Hours
			830	840	865		

T8 Lamp

18	589.8	18w / T8	1350	1350	1300	85	15000
36	1199.4	36w / T8	3350	3350	3250	85	15000
38	1047.0	38w / T8	3350	3350	n/a	85	15000
58	1500.0	58w / T8	5200	5200	5000	85	15000
70	1764.0	70w / T8	6300	6300	n/a	85	15000

T5 Lamp High Efficiency

14	549.0	14w / T5 / HE	1200	1200	1100	85	20000
21	849.0	21w / T5 / HE	1900	1900	1750	85	20000
28	1149	28w / T5 / HE	2600	2600	2400	85	20000
35	1449	35w / T5 / HE	3300	3300	3100	85	20000

T5 Lamp High Output

24	549	24w / T5 / HO	1750	1750	1650	85	20000
39	849	39w / T5 / HO	3100	3100	2950	85	20000
54	1149	54w / T5 / HO	4450	4450	4250	85	20000
49	1449	49w / T5 / HO	4300	4300	4100	85	20000
80	1449	80w / T5 / HO	6150	6150	5850	85	20000

INGRESS PROTECTION Technical Data

IP Ratings Explained

FIRST DIGIT

Protection against ingress of solid objects. e.g tools, dust, fingers, etc

SECOND DIGIT

Protection against ingress of liquids i.e. IP44 is protection against solid objects greater than 1mm and water sprayed from all directions.

SOLIDS First Digit		LIQUIDS Second Digit	
0	No Protection	0	No Protection
1	Protected against solid objects greater than 50mm (e.g. accidental touch by hands)	1	Protected against vertically falling drops of water (e.g. condensation)
2	Protected against solid objects up to 12mm (e.g. fingers)	2	Protected against direct sprays of water up to 15 degrees from vertical
3	Protected against solid objects greater than 2.5mm (e.g. small tools and wires)	3	Protected against direct sprays of water up to 60 degrees from vertical
4	Protected against solid objects greater than 1mm (e.g. small tools and wires)	4	Protected against water sprayed from all directions
5	Protected against dust, limited ingress (e.g. no harmful deposits)	5	Protected against low pressure jets of water from all directions
6	Totally protected against dust	6	Protected against high pressure jets of water (use on ship deck)
		7	Protected against the effects of immersion in water between 15cm and 1m
		8	Protected against long periods of immersion in water under pressure