

Pendant: Suspended architectural downlights

78

Ocean[®]

MOTIVATION

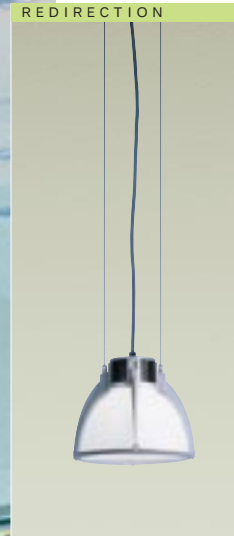
Ocean is the ultimate example of innovation borne through imagination. Drawing on specialist design experience, the range is inspired by technology used as an integral component in underwater discovery and exploration. Each design is a unique expression of the special geometry and structure associated with exploration of the ocean depths.

'Echoes complex design solutions used in the development of oceanographical research and data gathering equipment.'

Concept Design
Ivor Trimby,
Whitecroft Lighting

Marks & Spencer
Bluewater





OC21 page 80



OC22 page 80



OC31 page 82



OC32 page 82



OC25 page 84

Ocean[®] OC25

MOTIVATION

Ocean OC25 is designed to be easily installed and simple to maintain, thanks to a strong emphasis on high quality engineering techniques.

APPLICATION

- Retail
- Car showrooms
- Atriums
- High ceiling areas
- Reception areas
- Feature lighting
- Public areas

SPECIFICATION

- Lamp options:
 - 1 x 32W TC-T
 - 1 x 42W TC-T
 - 1 x 35W CDM-T
 - 1 x 70W CDM-T

- Body Colours:
 - **1** Mist grey (standard option)
 - **2** Ice white
 - **3** Storm black
 - **7** Reef bronze

- Extruded and cast aluminium semi-remote gear pod

- Spun aluminium secondary island reflector

- Feature light spill from perforated lamp housing

- Twin wire suspension (2m drop kit standard)

- Adjustable clutch wire suspension

- Easy height adjustment

- Ceiling plate with BESA fixings

- Timed ignitor on CDM option

- Compact fluorescent versions: High frequency gear

- Supplied complete with lamp:
 - 3000K TC-T
 - 3000K CDM-T

- Safety glass on CDM options

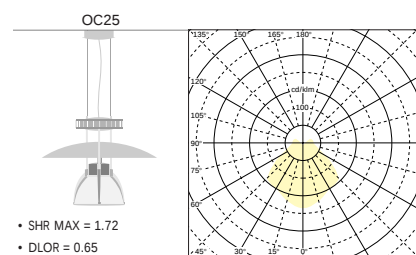
Reflectors

- 200mm Ø toughened glass reflector
- Supported by die cast aluminium legs
- Reflector colours:
 - **1** Arabian opal glass (*standard option*)
 - **2** Serenity white glass
 - **3** Tranquillity blue
 - **4** Sargasso sea grape glass

- Reflector options:
 - **7** Caspian aluminium

See page 85 for glass reflector designs

Ocean[®] Opal Glass Bowl 1 x 70W CDM-T



- SHR MAX = 1.72
- DLOR = 0.65
- ULOR = 0.18

UTILISATION FACTORS UF(F)		SHR NOM=1.50									
Room Reflectance	Room Index	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
C	W	F									
0.70	0.50	0.20	0.41	0.48	0.54	0.58	0.64	0.68	0.71	0.75	0.77
0.50	0.30	0.20	0.33	0.39	0.45	0.49	0.55	0.58	0.61	0.65	0.68
0.00	0.00	0.00	0.24	0.29	0.34	0.37	0.42	0.45	0.47	0.50	0.53

CONVERSION TERMS

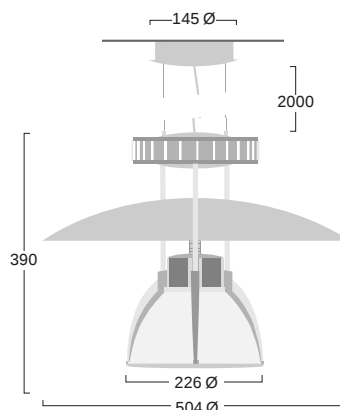
Lamp wattage	35/70W	32/42W
UF and PC	1.00	1.10



OC25



Court House
Kingston-upon-Thames



WEIGHT

	WEIGHT KG
OC25	6.5

Weights based on luminaire complete with ceiling fixings, glass reflector and heaviest control gear option. Suspension load = nominal weight x 4

Ocean[®] OC25

ORDER CODES

SUSPENDED ARCHITECTURAL DOWNLIGHTS

OC25	COLOUR	REFLECTOR	LAMP SUPPLIED
OC25-F32-W11	Mist Grey	Arabian opal	1 x 32W TC-T Fluorescent
OC25-F42-W11			1 x 42W TC-T Fluorescent
OC25-C35-W11			1 x 35W CDM-T
OC25-C70-W11			1 x 70W CDM-T

BODY COLOUR OPTIONS See page 85. Replace first digit after W or H with:-

2 Ice white	3 Storm black	7 Reef bronze
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REFLECTOR OPTIONS See page 85. Replace second digit after W or H with:-

2 Serenity white glass	3 Tranquillity blue glass	4 Sargasso sea grape glass
7 Caspian aluminium		

EMERGENCY Add suffix to order codes above

E3	3 hour maintained emergency module for TC-T fluorescent lamps i.e. OC25-F32-W11E3
E4	3 hour non-maintained emergency module – 50W Tungsten Halogen lamps and 12V Powerpack i.e. OC25-F32-W11E4

To specify state:

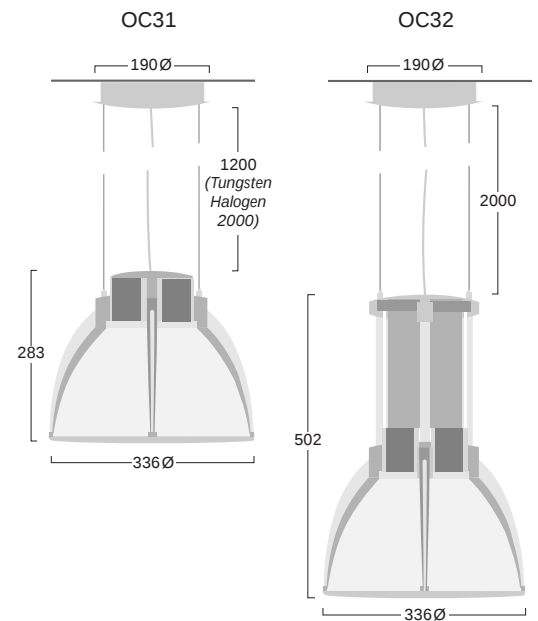
Suspended architectural downlight with adjustable height facility. Cast and extruded aluminium construction, toughened glass reflector <226mm Ø with feature canopy <504mm Ø. Remote gear pod – as Whitcroft Lighting OCEAN[®] OC25.



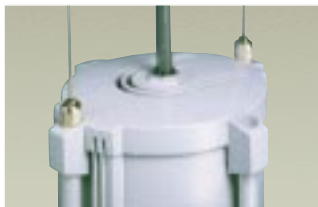
WEIGHT

	WEIGHT KG
OC31	7.5
OC32	8.0

Weights based on luminaire complete with ceiling fixings, glass reflector and heaviest control gear option.
Suspension load = nominal weight x 4



Ceiling plate detail



Wire suspension rigging mechanically clutch operated



Simple hook fixing

Ocean® OC31 & OC32

ORDER CODES

SUSPENDED ARCHITECTURAL DOWNLIGHTS

OC31	COLOUR	REFLECTOR	LAMP SUPPLIED	OC32
OC31-T25-W11	Mist grey	Arabian opal	1 x 250W Tungsten Halogen	—
OC31-F26-W11			3 x 26W TC-D Fluorescent	OC32-F26-W11
OC31-C70-W11			1 x 70W CDM-T	OC32-C70-W11
OC15-C15-W11			1 x 150W CDM-T	OC32-C15-W11

HOOK OPTION[†] Substitute **W** with **H** in order code

H Hook suspension option for OC32 and 250W OC31 i.e. OC31-T25-H11

[†] If hook suspended, individual luminaires require fusing. This must be provided by the installing contractor.
Suspension method must also be supplied by installing contractor

BODY COLOUR OPTIONS See page 85. Replace first digit after **W** or **H** with:-

2 Ice white	3 Storm black	7 Reef bronze
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REFLECTOR OPTIONS See page 85. Replace second digit after **W** or **H** with:-

2 Serenity white glass	3 Tranquillity blue glass	4 Sargasso sea grape glass
7 Caspian aluminium	8 Barants ribbed	

EMERGENCY Add suffix to order codes above

E3 3 hour maintained emergency module for TC-D fluorescent lamps i.e. OC32-F26-W11E3

E4 3 hour non-maintained emergency module – 50W Tungsten Halogen lamps and 12V Powerpack i.e. OC31-T25-W11E4

To specify state:

Suspended architectural downlight with adjustable height facility. Cast aluminium construction, toughened glass/ribbed glass reflector <336mm Ø. Gear mounted remote OC31/integral OC32 – as Whitecroft Lighting OCEAN® OC31 or OCEAN® OC32.

Ocean® OC31 & OC32

MOTIVATION

Ocean® OC31 and OC32 are designed to be easily installed and simple to maintain, thanks to a strong emphasis on high quality engineering techniques.

APPLICATION

- Retail
- Car showrooms
- Atriums
- High ceiling areas
- Reception areas
- Feature lighting
- Public areas

SPECIFICATION

- Lamp options:
 - 1 x 250W tungsten halogen (OC31 only)
 - 3 x 26W TC-D
 - 1 x 70W CDM-T
 - 1 x 150W CDM-T
- Body Colours:
 - 1 Mist grey (standard option)
 - 2 Ice white
 - 3 Storm black
 - 7 Reef bronze
- Control gear:
 - OC31 remote control gear (250W tungsten halogen does not require control gear)
 - OC32 integral control gear
- Cast aluminium components
- Feature light spill from perforated lamp housing
- Wire suspension or hook fixing (OC31 hook fixing only on 250W tungsten halogen)
- Twin wire suspension:
 - OC31 1.2m drop kit standard (250W tungsten halogen 2m drop kit supplied)
 - OC32 2.0m drop kit standard
- Adjustable clutch wire suspension
- Easy height adjustment
- Ceiling plate with BESA fixings
- Fused inside ceiling plate[†]
- Timed ignitor on CDM option
- Compact fluorescent versions: High frequency gear
- 3 hour maintained emergency module for TC-T versions – visible gear module
- 3 hour non-maintained emergency module comes with switch 50W tungsten halogen lamp and 12V powerpack
- Supplied complete with lamp:
 - 3000K TC-T
 - 3000K CDM-T
- Safety glass on CDM lamp options

Reflectors

- 300mm Ø toughened glass reflector
- Supported by die cast aluminium legs
- Reflector colours:
 - 1 Arabian opal glass (standard option)
 - 2 Serenity white glass
 - 3 Tranquillity blue glass
 - 4 Sargasso sea grape glass
- Reflector options:
 - 7 Caspian aluminium
 - 8 Barants ribbed

See page 85 for reflector designs

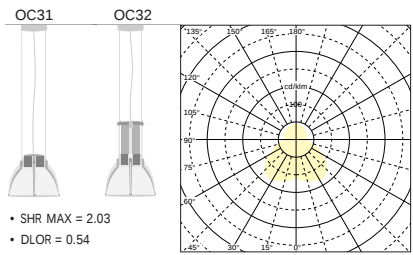


OC31

OC32



Ocean® Opal Glass Bowl
1 x 70W CDM-T Lamp



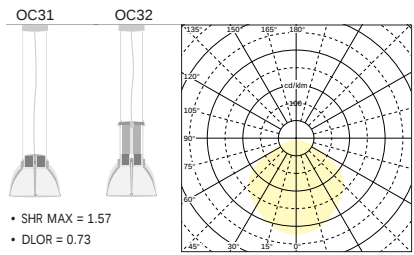
- SHR MAX = 2.03
- DLOR = 0.54
- ULOR = 0.26

UTILISATION FACTORS UF(F)		SHR NOM=2.00										
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	N/A	0.47	0.52	0.56	0.61	0.65	0.67	0.71	0.73	
0.50	0.30	0.20	N/A	0.38	0.42	0.45	0.51	0.54	0.57	0.60	0.62	
0.00	0.00	0.00	N/A	0.27	0.29	0.32	0.35	0.38	0.40	0.42	0.44	

CONVERSION TERMS

Lamp wattage	70W	150W	26W
UF and PC	1.00	0.95	0.91

Ocean® Aluminium Reflector
1 x 70W CDM-T Lamp



- SHR MAX = 1.57
- DLOR = 0.73
- ULOR = 0.00

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	0.45	0.51	0.57	0.60	0.66	0.69	0.71	0.75	0.77	
0.50	0.30	0.20	0.39	0.45	0.51	0.54	0.60	0.63	0.66	0.69	0.71	
0.00	0.00	0.00	0.34	0.39	0.44	0.48	0.53	0.57	0.59	0.62	0.64	

CONVERSION TERMS

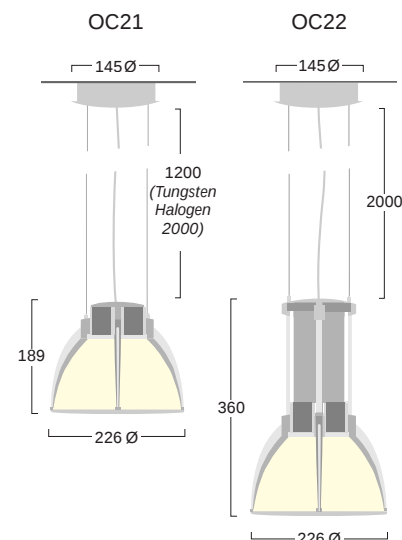
Lamp wattage	70W	150W	26W
UF and PC	1.00	0.95	0.91

Marks & Spencer Braehead
Glasgow

WEIGHT

	WEIGHT KG
OC21	4.5
OC22	4.5

Weights based on luminaire complete with ceiling fixings, glass reflector and heaviest control gear option.
Suspension load = nominal weight x 4



Ceiling plate detail

Wire suspension
rigging mechanically
clutch operated

Simple hook fixing

Ocean® OC21 & OC22

ORDER CODES

SUSPENDED ARCHITECTURAL DOWNLIGHTS

OC21	COLOUR	REFLECTOR	LAMP SUPPLIED	OC22
OC21-T15-W11	Mist grey	Arabian opal	1 x 150W Tungsten Halogen	—
OC21-F32-W11			1 x 32W TC-T Fluorescent	OC22-F32-W11
OC21-F42-W11			1 x 42W TC-T Fluorescent	OC22-F42-W11
OC21-C35-W11			1 x 35W CDM-T	OC22-C35-W11
OC21-C70-W11			1 x 70W CDM-T	OC22-C70-W11

HOOK OPTION[†] Substitute *W* with *H* in order code

H Hook suspension option for OC22 and 150W OC21 i.e. OC21-T15-H11

[†]If hook suspended, individual luminaires require fusing. This must be provided by the installing contractor.
Suspension method must also be supplied by installing contractor

BODY COLOUR OPTIONS See page 85. Replace first digit after *W* or *H* with:-

2 Ice white	3 Storm black	7 Reef bronze
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REFLECTOR OPTIONS See page 85. Replace second digit after *W* or *H* with:-

2 Serenity white glass	3 Tranquillity blue glass	4 Sargasso sea grape glass	7 Caspian aluminium
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EMERGENCY Add suffix to order codes above

E3 3 hour maintained emergency module for TC-T fluorescent lamps i.e. OC22-F32-W11E3

E4 3 hour non-maintained emergency module – 50W Tungsten Halogen lamps and 12V Powerpack i.e. OC21-T15-W11E4

To specify state:

Suspended architectural downlight with adjustable height facility. Cast aluminium construction, toughened glass/aluminium reflector <226mm Ø. Gear mounted remote OC21/integral OC22 – as Whitecroft Lighting OCEAN® OC21 or OCEAN® OC22.

Ocean® OC21 & OC22

MOTIVATION

Ocean® OC21 and OC22 are designed to be easily installed and simple to maintain, thanks to a strong emphasis on high quality engineering techniques.

APPLICATION

- Retail
- Car showrooms
- Atriums
- High ceiling areas
- Reception areas
- Feature lighting
- Public areas

SPECIFICATION

- Lamp options:
 - 1 x 150W tungsten halogen (OC21 only)
 - 1 x 32W TC-T
 - 1 x 42W TC-T
 - 1 x 35W CDM-T
 - 1 x 70W CDM-T
- Body Colours:
 - 1 Mist grey (standard option)
 - 2 Ice white
 - 3 Storm black
 - 7 Reef bronze
- Control gear:
 - OC21 remote control gear (150W tungsten halogen does not require control gear)
 - OC22 integral control gear
- Cast aluminium components
- Feature light spill from perforated lamp housing
- Wire suspension or hook fixing (OC21 hook fixing only on 150W tungsten halogen)
- Twin wire suspension:
 - OC21 1.2m drop kit standard (150W tungsten halogen 2m drop kit supplied)
 - OC22 2.0m drop kit standard
- Adjustable clutch wire suspension
- Easy height adjustment
- Ceiling plate with BESA fixings
- Fused inside ceiling plate†
- Timed ignitor on CDM option
- Compact fluorescent versions: High frequency gear
- 3 hour maintained emergency module for TC-T versions – visible gear module
- 3 hour non-maintained emergency module comes with 50W tungsten halogen lamp and 12V powerpack
- Supplied complete with lamp:
 - 3000K TC-T
 - 3000K CDM-T
- Safety glass on CDM lamp options

Reflectors

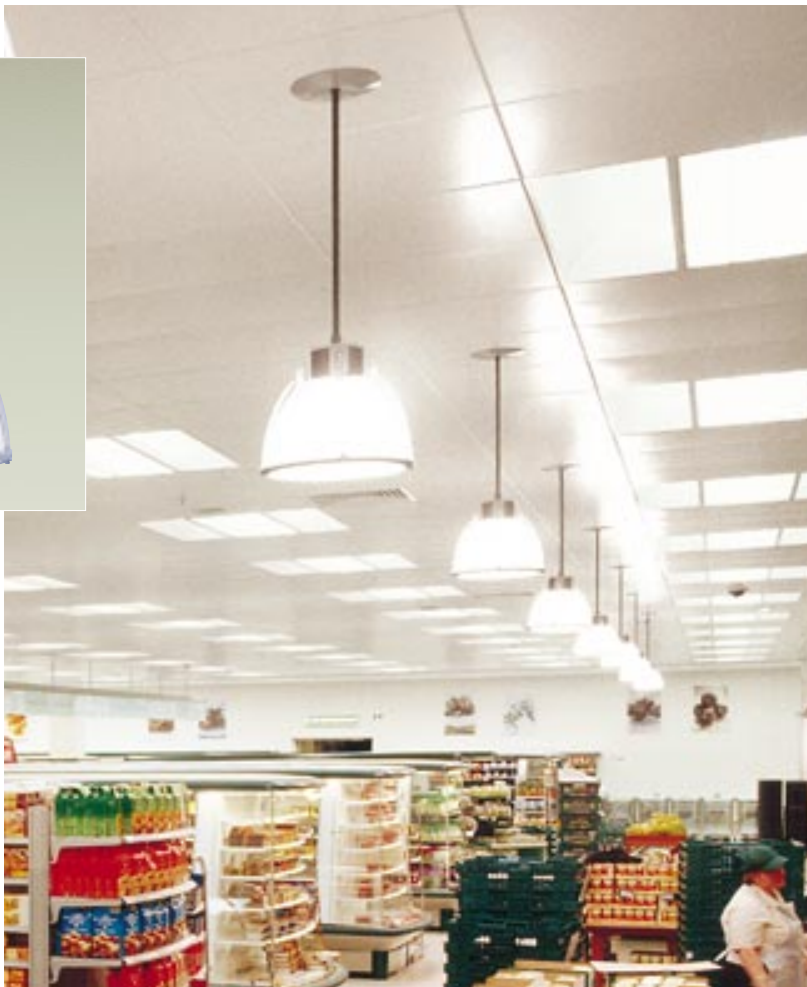
- 200mm Ø toughened glass reflector
- Supported by die cast aluminium legs
- Reflector colours:
 - 1 Arabian opal glass (standard option)
 - 2 Serenity white glass
 - 3 Tranquillity blue glass
 - 4 Sargasso sea grape glass
 - 7 Aluminium reflector option: Caspian aluminium

See page 85 for reflector designs

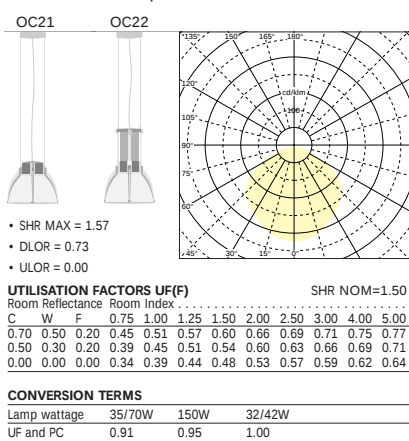


OC21

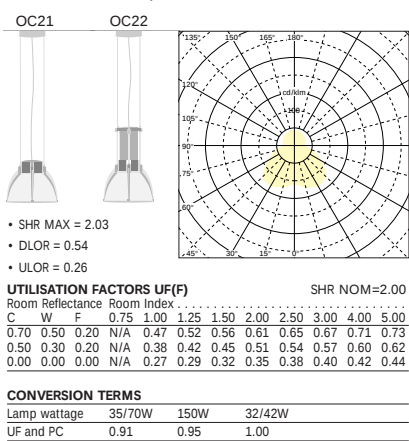
OC22



Ocean® Aluminium Reflector
1 x 32W TC-T Lamp



Ocean® Opal Glass Bowl
1 x 32W TC-T Lamp



Ocean[®] Options

MOTIVATION

Reflectors

All reflectors in the Ocean range draw from bold oceanographical curves and symmetry to add style and function to every luminaire. The design quality ensures maximum illumination, while the wide choice of colours offers moods as diverse as the seas themselves.



1 Arabian opal



2 Serenity white



3 Tranquillity blue



4 Sargasso sea grape



7 Caspian aluminium



8 Barants ribbed*



1 Mist grey



2 Ice white



3 Storm black



7 Reef bronze

MOTIVATION

Body Colours

Distinctive shapes and colours lend a special maritime quality to the body shell selection. Your choice of body shell will make a clear and expressive visual statement.

Ocean[®] Options

ORDER CODES

SUSPENDED ARCHITECTURAL DOWNLIGHTS

BODY COLOUR OPTIONS Replace first digit after **W** or **H** with:-

1 Arabian opal	2 Ice white
3 Storm black	7 Reef bronze

REFLECTOR OPTIONS Replace second digit after **W** or **H** with:-

1 Mist grey	2 Serenity white glass
3 Tranquillity blue glass	4 Sargasso sea grape glass
7 Caspian aluminium	
8 *Barants ribbed OC31 and OC32 only	