



Optics

- Hexaprism optic for all-round glare control and maximum efficiency mounted between perforated blades
- Single cell hexaprism light source options:
 - LED 1750 Lumen (25W)
 - 2 x 20W T5 Eco
 - 1 x 55W TC-L Amalgam
- Twin cell hexaprism lamp options:
 - LED 3500 Lumen (46W)
 - 4 x 14W T5
 - 2 x 40W TC-L Amalgam
 - 2 x 55W TC-L Amalgam

Body

- Steel body finished white
- For 600 x 600mm grid ceilings
- One piece front frame and gear tray assembly for easy access and maintenance
- Compatible with the following ceiling types:
 - Exposed T 25mm flat
 - Exposed T 15mm tegular
 - Spring T
 - Plasterboard prepared aperture (using optional frame)
 - Alugrid 15/16 – 15/08
- Air handling:
 - 20L/sec for 2 x 20W
 - 30L/sec for all other variants



Cascade Edge Twin Cell



COM4 Integration

cascade edge

Order Codes

Cascade Edge Single Cell	HF Gear	3 hr Emergency
LED 1750 Lumen (25W)*	CLSY17PXT	CLSY17PXTEM
T5 2 x 20W ECO	CESH220PXT	CESH220PXTEM
TCL 1 x 55W (Amalgam)	CESH155PXT	CESH155PXTEM

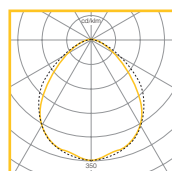
Cascade Edge Twin Cell	HF Gear	3 hr Emergency
LED 3500 Lumen (46W)*	CLTY35PXT	CLTY35PXTEM
T5 4 x 14W	CETH414PXT	CETH414PXTEM
TC-L 2 x 40W (Amalgam)	CETH240PXT	CETH240PXTEM
TC-L 2 x 55W (Amalgam)	CETH255PXT	CETH255PXTEM

Options

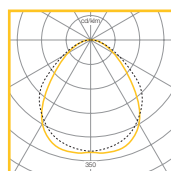
DALI / SWITCH DIMMING	Replace H with Y	i.e. CESY220PXT
EASYTEST	Add suffix /ET	i.e. CESH220PXT/ET
COMEPS	Add suffix /EP	i.e. CESH220PXT/EP
COMMAND 4	Replace H with Q4Y	i.e. CESQ4Y220PXT
COMET	Add suffix /CT	i.e. CESH220PXT/CT
SPRING T INTEGRATION	Replace XT with ST	i.e. CESH220PST
PLASTERBOARD INSTALLATION FRAME		SFTPB

*Note: DALI Dimming as standard on LED version

Photometric Performance



2 x 20W T5
• LOR = 79.4%
• SHR MAX = 1.54



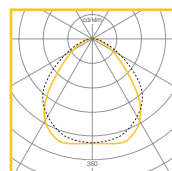
1 x 55W TC-L
• LOR = 75.3%
• SHR MAX = 1.56

Utilisation Factors UF(F)

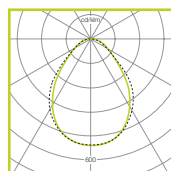
Room Reflectance	Room Index			
C	W	F	1.00	3.00 5.00
0.70	0.50	0.20	0.60	0.79 0.84

Utilisation Factors UF(F)

Room Reflectance	Room Index			
C	W	F	1.00	3.00 5.00
0.70	0.50	0.20	0.57	0.75 0.80



2 x 40W TC-L
• LOR = 72.4%
• SHR MAX = 1.61



46W LED
3500 lumens
• LOR = 100%
• SHR MAX = 1.38

Utilisation Factors UF(F)

Room Reflectance	Room Index			
C	W	F	1.00	3.00 5.00
0.70	0.50	0.20	0.55	0.72 0.78

Utilisation Factors UF(F)

Room Reflectance	Room Index			
C	W	F	1.00	3.00 5.00
0.70	0.50	0.20	0.76	1.00 1.05

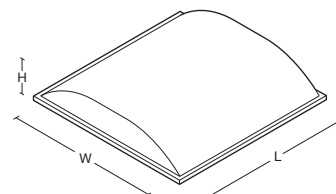
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 14W T5	1250	24,000hrs
1 x 20W T5 ECO	1650	21,000hrs
1 x 40W TC-L (Amalgam)	3500	20,000hrs
1 x 55W TC-L (Amalgam)	4800	20,000hrs

Performance Guide

Lamps	Illuminance	Spacing	Lamps	Illuminance	Spacing
2 x 20W T5 Single	450 lux	2.4m x 2.4m	2 x 40W TC-L Twin	507 lux	3.0m x 3.0m

Dimensions



Version	L	W	H	Prepared Aperture	KG	KG
Exposed T	584	584	95	—	4.4	5.4
Spring T	599	599	100	—	4.5	5.5
Plasterboard Frame	660	660	100	625 x 625 ±3	6.4	7.4

Ceiling Integration

Refer to common ceiling compatibility matrix – See page 404

Exposed T Grids

T25 Lay in
T15 Tegral

Alugrids

SAS AL 15/16
SAS AL 15/08

Spring T Grids (add ST)

SAS – 150
Armstrong – Orcal 3000
Burgess – Clip in / A bar
Armstrong – Orcal 1800 Half Spring T
Burgess Clip in Half Spring T

Plasterboard (requires installation frame)

Prepared aperture

To Specify

Direct/indirect T5 or TC-L luminaire. Single or twin cell hexaprism optic with perforated blades, mounted in a steel body painted white with air handling conversion – as Whitecroft Lighting CASCADE EDGE