



Optics

- Hexaprism optic for all-round glare control and maximum efficiency mounted between perforated blades
- Single cell hexaprism light source options:
 - LED 1750 Lumen (21W)
 - 2 x 20W T5 Eco
 - 1 x 55W TC-L
- Twin cell hexaprism lamp options:
 - LED 3500 Lumen (38W)
 - 4 x 14W T5
 - 2 x 40W TC-L
 - 2 x 55W TC-L

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

* For specific Spring T ceilings only. See ceiling compatability matrix on Whitecroft website



Cascade Edge Twin Cell



COM4 Integration

cascade edge

Order Codes

Cascade Edge Single Cell
LED 1750 Lumen (21W)*
T5 2 x 20W ECO
TCL 1 x 55W

HF Gear
CLSY17PXT
CESH220PXT
CESH155PXT

3 hr Emergency
CLSY17PXTEM
CESH220PXTEM
CESH155PXTEM

Cascade Edge Twin Cell

LED 3500 Lumen (38W)*
T5 4 x 14W
TC-L 2 x 40W
TC-L 2 x 55W

HF Gear
CLTY35PXT
CETH414PXT
CETH240PXT
CETH255PXT

3 hr Emergency
CLTY35PXTEM
CETH414PXTEM
CETH240PXTEM
CETH255PXTEM

Options

DALI / SWITCH DIMMING
EASYTEST
COMEPS
COMMAND 4
COMET
SPRING T INTEGRATION**
PLASTERBOARD INSTALLATION FRAME***

Replace H with **Y** i.e. CESY220PXT
Add suffix **/ET** i.e. CESH220PXT/ET
Add suffix **/EP** i.e. CESH220PXT/EP
Replace H with **Q4Y** i.e. CESQ4Y220PXT
Add suffix **/CT** i.e. CESH220PXT/CT
Replace XT with **ST** i.e. CESH220PST
SFTPB

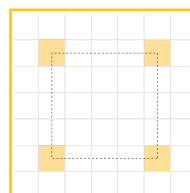
*Note: DALI Dimming as standard on LED version

** For specific Spring T ceilings only. See Ceiling Integration Guide

*** Must be used with XT product

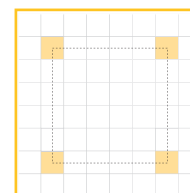
Performance Guide

Lamps Illuminance Spacing
2 x 20W T5 450 lux 2.4m x 2.4m
Single



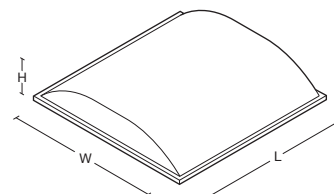
Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 2.7m
Working Plane: 0.8m

Lamps Illuminance Spacing
2 x 40W TC-L 507 lux 3.0m x 3.0m
Twin



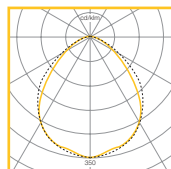
Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 2.7m
Working Plane: 0.8m

Dimensions

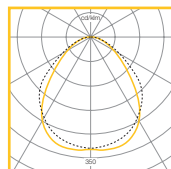


Version	L	W	H	Prepared Aperture	KG	KG
Exposed T	584	584	95	—	4.4	5.4
Spring T	599	599	100	—	4.5	5.5
Plasterboard Frame	660	660	100	625 x 625	6.4	7.4

Photometric Performance



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



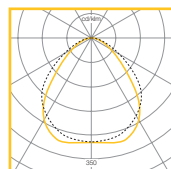
1 x 55W TC-L
• LOR = 75.3%
• SHR MAX = 1.56

Utilisation Factors UF(F)

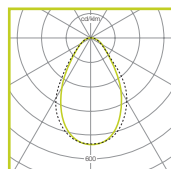
Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.60 0.79 0.84

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



38W LED
3500 lumens
• LOR = 100%
• SHR MAX = 1.46

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 1.06

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

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	≥ 80	L ₇₇ (50,000hrs)	MacAdam 3 SDCM

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	3500	20,000hrs
1 x 55W TC-L	4800	20,000hrs

To Specify

Direct/indirect T5, TC-L or LED 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