



Optics

- Light source options:
 - LED 4600 lumens (55W)
 - LED 7800 lumens (90W)
 - Precise pattern Hexaprism optic for all-round glare control and maximum efficiency
- Or
 - 21/28/35/39/49 or 54W T5 lamps
 - Twin cell louvre in semi specular zero iridescent MIRO 5 material, 'DUO' panels with a central 'Living Louvre', or hexaprism optic for maximum vertical illuminance
- Light distribution: 80% down and 20% up (70:30 with hexaprism optic). Up-light designed to give an asymmetric throw to aid vertical illuminance
- To optimise emergency performance we recommend the installation onsite of Florin E3

Body

- 0.6m or 0.8m wide, 2.2m long steel bodies painted silver or white
- Chamfered 30° luminaire body edge for a slimline appearance
- Infill panels available in 400mm, 800mm and 1200mm lengths
- Perforated side panels of luminaires and infill panels contain 30mm or 48mm acoustic absorbing material
- Twin adjustable wire suspension kits 1.5m maximum drop
- 3 segregated cable conduits. Central for luminaire control, outer for data or power
- Subject to project size and upon request luminaire infill panels can be modified to incorporate items such as speakers, smoke detectors, fire alarms, and sprinkler heads. Radiant heating panels can also be incorporated
- Optional Command Fast Link plug and play system integration for simplified installation



Order Codes

Foil LED

800 wide 30mm Acoustics

4600 lumen 55W 4000k

7800 lumen 90W 4000k

Foil Louvre

800 wide 30mm Acoustics

T5 2 x 21W

T5 2 x 28W

T5 2 x 35W

T5 2 x 39W

T5 2 x 49W

T5 2 x 54W

Foil Hexaprism

800 wide 30mm Acoustics

T5 2 x 21W

T5 2 x 28W

T5 2 x 35W

T5 2 x 39W

T5 2 x 49W

T5 2 x 54W

Foil Duo

800 wide 30mm Acoustics

T5 2 x 21W

T5 2 x 28W

T5 2 x 35W

T5 2 x 39W

T5 2 x 49W

T5 2 x 54W

T5 1 x 49W

T5 1 x 54W

HF Gear

FLL830H221S

FLL830H228S

FLL830H235S

FLL830H239S

FLL830H249S

FLL830H254S

HF Gear

FPL830H221S

FPL830H228S

FPL830H235S

FPL830H239S

FPL830H249S

FPL830H254S

HF Gear

FDL830H221S

FDL830H228S

FDL830H235S

FDL830H239S

FDL830H249S

FDL830H254S

FDL830H149S

FDL830H154S

DALI

FPA830Y40S

FPA830Y80S

3 hr Emergency

FLL830H221SEMIN

FLL830H228SEMIN

FLL830H235SEMIN

FLL830H239SEMIN

FLL830H249SEMIN

FLL830H254SEMIN

3 hr Emergency

FPL830H221SEMIN

FPL830H228SEMIN

FPL830H235SEMIN

FPL830H239SEMIN

FPL830H249SEMIN

FPL830H254SEMIN

3 hr Emergency

FDL830H221SEMIN

FDL830H228SEMIN

FDL830H235SEMIN

FDL830H239SEMIN

FDL830H249SEMIN

FDL830H254SEMIN

FDL830H149SEMIN

FDL830H154SEMIN

Order Codes (continued)

Accessories

400mm long infill, 800mm wide

FLL830INF400S

800mm long infill, 800mm wide

FLL830INF800S

1200mm long infill, 800mm wide*

FLL830INF1200S

*1200mm requires separate suspension kit

End cap 30mm acoustic absorber, 800mm wide

FLL830ECS

End cap 48mm acoustic absorber, 800mm wide

FLL848ECS

Wire Suspension Kit for one

luminaire supplied separately Full suspension assembly

FLLSUSKIT

Bracket set for one luminaire Drop rods to be supplied by others

FLLBRAKIT

Options

600mm WIDE OPTION

Replace the 8 with 6

for rafts, infills and end caps i.e. FLL630H221S

48mm ACOUSTIC

ABSORPTION MATERIAL

Replace the 30 with 48

i.e. FLL848H221S

WHITE FINISH

Replace S with W

i.e. FLL830H221W

DALI DIMMING

Replace H with Y

i.e. FLL830Y221S

*COMMAND 4

Replace H with Q4Y

i.e. FLL830Q4Y221S

*EASYTEST

Add suffix /ET

i.e. FLL830H221S/ET

*COMEPS

Add suffix /EP

i.e. FLL830H221S/EP

*COMET

Add suffix /CT

i.e. FLL830H221S/CT

COMAND FAST LINK

Add suffix /CFL

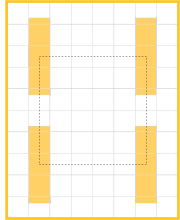
i.e. FLL830H221S/CFL

*Not available with LED luminaire

foil twin optic

Performance Guide

Lamps	Illuminance	Spacing
2 x 54W T5	530 lux	3.0m x 3.0m



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

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 21W T5	1920	24,000hrs
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 39W T5	3100	24,000hrs
1 x 49W T5	4375	24,000hrs
1 x 54W T5	4450	24,000hrs

LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
4000K	≥ 80	L ₇₀ (50,000hrs)	MacAdam 4 SDCM

Equivalent Lamp Types

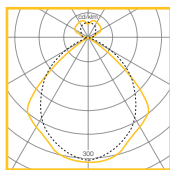
4600 Lumen Output

T5 lamp 2 x 28W

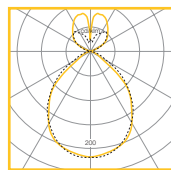
7800 Lumen Output

T5 lamp 2 x 54W

Photometric Performance



2 x 54W T5
Foil Louvre
• LOR = 77.5%
• SHR MAX = 1.65



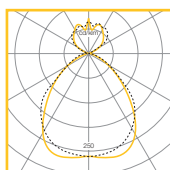
2 x 54W T5
Foil Duo
• LOR = 64.2%
• SHR MAX = 1.48

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	0.74	0.78

Utilisation Factors UF(F)

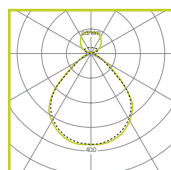
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.42	0.57	0.61



2 x 39W T5
Micro prism
• LOR = 83.4%
• SHR MAX = 1.57

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	0.76	0.81



55W LED
• LOR = 100%
• SHR MAX = 1.62
• 4600 lumens

Utilisation Factors UF(F)

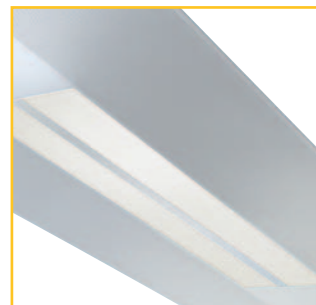
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.72	0.93	0.99



Hexaprism Optic (LED)



Louvre Optic

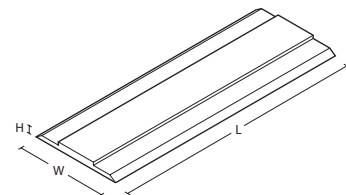


Hexaprism Optic (T5)



Duo Optic

Dimensions



Version	L	W	H	KG	KG/m²
LED 4600 Lumen	2200	800 (600)	58	26.2	-
LED 7800 Lumen	2200	800 (600)	58	26.5	-
21/39W	2200	800 (600)	58	17.3	18.3
28/54W	2200	800 (600)	58	18.3	19.3
35/49W	2200	800 (600)	58	19.3	20.3

To Specify

Suspended LED or T5 lighting, acoustic and integrated services 600 or 800mm raft with concealed 30 or 48mm thick acoustic absorbers behind perforated side panels in a shallow 30° chamfered steel body. 3 segregated 28mm x 28mm wiring channels with:

- Hexaprism LED controller
 - as Whitecroft Lighting FOIL LED
- MIRO 5 zero iridescent louvres
 - as Whitecroft Lighting FOIL LOUVRE
- Living louvre centrally mounted in micro polymer optic
 - as Whitecroft Lighting FOIL DUO
- Hexaprism Optic
 - as Whitecroft Lighting FOIL HEXAPRISM