

Popular Range Battens

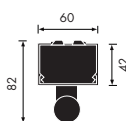
1:2

Battens

The Popular Range includes single and twin battens (for surface or suspended mounting).



Single



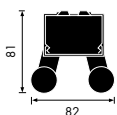
Options



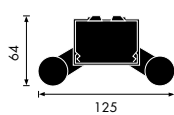
Twin (lampholder narrow position)



Twin (lampholder wide position)



All dimensions in mm



Key Features

- Five different lengths from 600mm (2ft) to 2400mm (8ft)
- Shallow, discrete appearance achieved with adjustable lampholders
- Adjustable twin lampholder gives uniform light in low ceiling commercial environments or downward light in high industrial installations
- Comprehensive range of commercial and industrial attachments
- Surface or suspended
- High frequency electronic ballast, Vivatronic start and switch start gear options as standard
- Maintained emergency versions available
- Dimmable Controlite versions allow 1-10V dimming down to 5% lamp power
- SwitchLite Mini-Detector versions (battens) available for simple ON/OFF presence detection switching
- Sensa 2 intelligent versions (battens) for daylight and presence detection (see page 141 for functionality)
- 'Super' versions with high frequency ballast and Polylux XL lamp for maximum economy of operation, minimum maintenance and 5 year guarantee
- Clip-on cover plate and spring loaded end caps for easy installation
- Twist-lock lampholders for reliable electrical contact
- Slim spine with durable, corrosion-resistant finish
- Optional kit for IP40 upgrade

Lamp Types

18W/36W/58W/
70W/100W high efficiency white
T8, cap: G13 (Les lamp versions
available)
Polylux XL 835 or Polylux XL 840
cap: G13

Materials/Finish

Batten: Rolled steel section
in pre-coated high reflectivity
white paint
Lampholder assembly: Tough
white polycarbonate

Installation/Mounting

Four-way terminal block with capacity for 1 x 4mm² or 2 x 2.5mm² cables. Spare terminal for switch line connection. Terminal angled for easy wiring. Ambient temperature: Switchstart and Vivatronic -5°C to 25°C High frequency electronic -15°C to 25°C Normal, dry, indoor atmospheres. Fixings via three BESA piercings, one central and two at fixing centres: 600mm - 500mm; 1200/1500/1800mm - 600mm; 2400mm - 1200mm. (HF electronic versions have no central fixing.) Bare battens can be mounted end-to-end (except emergency versions - recommended minimum space between luminaires 50mm) Emergency fixing centres: E3PP158/E3PP170 - 600mm E3PP136/E3PP236/E3PPZ136/E3PPZ236/E3PP258/E3PP270 - 1110mm E3PPZ158/E3PPZ258/E3PPZ170/E3PPZ270 - 1410mm

Standards

Designed and manufactured to comply with BS4533/EN 60598
⚡❤️ (for categorised louvres)
IP20 (IP40 conversion sleeve available)
⚡CE

Emergency versions comply with BS/EN 60598 2.22. Battens, spines, reflector and louvre attachments are suitable for defined escape routes, as well as open areas. All other attachments are suitable for emergency lighting in open areas

Popular Range Battens

2:2

Ordering Guide

Supplied complete with lamps, unless otherwise stated. To order a complete luminaire quote required batten and corresponding attachment catalogue number(s).

Lamp type & rating		Weight (kg)	Cat. No.	Emergency version	
				Weight (kg)	Cat. No.
Super pack					
1200mm	1 x 36W	1.90	PPZXL136†	2.75	E3 PPZXL136†
1200mm	2 x 36W	2.10	PPZXL236†	2.95	E3 PPZXL236†
1500mm	1 x 58W	2.05	PPZXL158†	3.05	E3 PPZXL158†
1500mm	2 x 58W	2.25	PPZXL258†	3.30	E3 PPZXL258†
1800mm	1 x 70W	2.30	PPZXL170†	3.45	E3 PPZXL170†
1800mm	2 x 70W	2.50	PPZXL270†	3.65	E3 PPZXL270†
High Frequency Electronic ballast					
1200mm	1 x 36W	1.90	PPZ136*		
1200mm	2 x 36W	2.10	PPZ236*		
1500mm	1 x 58W	2.05	PPZ158*		
1500mm	2 x 58W	2.25	PPZ258*		
1800mm	1 x 70W	2.30	PPZ170*		
1800mm	2 x 70W	2.50	PPZ270*		
Vivatronic start					
1200mm	1 x 36W	2.60	PPV136		
1200mm	2 x 36W	4.10	PPV236		
1500mm	1 x 58W	3.40	PPV158		
1500mm	2 x 58W	5.45	PPV258		
1800mm	1 x 70W	3.70	PPV170		
1800mm	2 x 70W	6.12	PPV270		
Switchstart					
600mm	1 x 18W	1.80	PP118*		
600mm	2 x 18W	2.16	PP218*		
1200mm	1 x 36W	2.60	PP136*	3.45	E3 PP136
1200mm	2 x 36W	4.10	PP236*	4.85	E3 PP236
1500mm	1 x 58W	3.40	PP158*	4.40	E3 PP158
1500mm	2 x 58W	5.45	PP258*	6.25	E3 PP258
1800mm	1 x 70W	3.70	PP170*	4.85	E3 PP170
1800mm	2 x 70W	6.12	PP270*	7.25	E3 PP270
2400mm	1 x 100W	5.23	PP1100*		
2400mm	2 x 100W	7.95	PP2100*		
SwitchLite Mini-Detector Versions*					
1200mm	1 x 36W		SLMDPPZ136		
1200mm	2 x 36W		SLMDPPZ236		
1500mm	1 x 58W		SLMDPPZ158		
1500mm	2 x 58W		SLMDPPZ258		
1800mm	1 x 70W		SLMDPPZ170		
1800mm	2 x 70W		SLMDPPZ270		
Controlite versions (Lamps to be ordered separately)					
1200mm	1 x 36W	2.10	PP136CL	2.95	E3PP136CL
1200mm	2 x 36W	2.30	PP236CL	3.15	E3PP236CL
1500mm	1 x 58W	2.35	PP158CL	3.35	E3PP158CL
1500mm	2 x 58W	2.55	PP258CL	3.55	E3PP258CL
Sensa 2 Versions (Lamps to be ordered separately)					
1200mm	1 x 36W	2.20	IQMF PP 136	3.75	IQMF E3PP 136#
1200mm	2 x 36W	2.40	IQMF PP 236	3.95	IQMF E3PP 236#
1500mm	1 x 58W	2.40	IQMF PP 158	4.10	IQMF E3PP 158#
1500mm	2 x 58W	2.60	IQMF PP 258	4.30	IQMF E3PP 258#

* Less lamp versions are available. To order add suffix LL to the Cat.No.

Supplied with plug-in battery box.

† Standard with Polylux XL835 lamp - to specify Polylux XL840 lamps add suffix /840 to Cat. No.

• Emergency on request.

Accessories

Description	Cat. No.
IP40 kit for lampholders (pack of 4 sleeves)	PP/PT LS

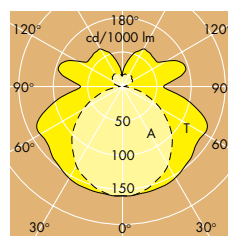
Specification

To specify state:

Fluorescent batten fitting of slim cross-section with clip-on cover plate and adjustable end cap system
As Thorn Popular Pack Batten

Photometric Data

Cat No: PP258 (Narrow Position)



Lamp: 2 x 1500mm 58W 26Ø

LOR: 0.94 ULOR: 0.30 DLOR: 0.64 LMC: A
Mounting: Ceiling

Utilisation factors UF (F)

Reflectances			Room Index				
C	W	F	1.0	2.0	3.0	4.0	5.0
0.8	0.6	0.2	0.61	0.78	0.85	0.89	0.92
	0.5		0.56	0.73	0.82	0.86	0.89
		0.3	0.48	0.67	0.76	0.81	0.85
0.7	0.6	0.2	0.57	0.73	0.80	0.84	0.86
	0.5		0.53	0.69	0.77	0.81	0.84
		0.3	0.46	0.63	0.72	0.77	0.80
0.5	0.6	0.2	0.51	0.65	0.71	0.74	0.76
	0.5		0.48	0.62	0.69	0.72	0.75
		0.3	0.42	0.57	0.64	0.69	0.72

Cat No: E3PPZXL258 (Narrow Position)

Reflectance: 0.0 SHR NOM: 2.5 MF: 0.90

2m Escape route

Min illum (lux)	Mounting height (m)	Max spacing (m)	
		center to end	between centers
0.2	2	5.95	14.70
	trans 3	6.80	17.20
	4	7.20	18.90
0.2	2	4.25	10.30
	axial 3	5.05	12.40
	4	5.60	13.90

Open area

Min illum (lux)	Mounting height (m)	Max spacing (m)	
		center to end Transverse	between centers Axial
0.025	2	8.40	7.85
	3	10.60	8.50
	4	11.85	9.70
		22.90	16.70
		26.10	21.70
		26.50	25.50

Emergency factor

Room index	1	2	3	4	5
EF	0.02	0.02	0.03	0.03	0.03

Popular Range Trunking Spines

1:2

Spines

The Popular Range includes single and twin trunking spines for mounting on to Popular Trunking.



Twin (lampholder wide position)
spine (on shallow trunking)

Options



Single spine
(on shallow trunking)



Twin (lampholder narrow position)
spine (on shallow trunking)



Key Features

- Five different lengths from 600mm (2ft) to 2400mm (8ft)
- Shallow, discrete appearance achieved with adjustable lampholders
- Adjustable twin lampholder gives uniform light in low ceiling commercial environments or downward light in high industrial installations
- Comprehensive range of commercial and industrial attachments
- High frequency electronic ballast and switch start gear options as standard
- Maintained emergency versions available
- 'Super' versions with high frequency ballast and Polylux XL lamp for maximum economy of operation, minimum maintenance and 5 year guarantee
- Twist-lock lampholders for reliable electrical contact
- Slim spine with durable, corrosion-resistant finish
- Optional kit for IP40 upgrade

Lamp types

18W/36W/58W/
70W/100W high efficiency white
T8, cap: G13 (les lamp versions
available)
Polylux XL 835 or Polylux XL 840
cap: G13

Installation/Mounting

Trunking system: 3 or 5 pole
terminal system with push wire
connections for up to 2.5mm² cable
Ambient temperature:
Switchstart -5°C to 25°C. High
frequency electronic -15°C to 25°C
Normal, dry, indoor atmospheres
Fixings via steel turnbuckles hold
spines on to Popular Trunking
Electrical connection is made when
spine engages into trunking

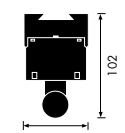
Standards

Designed and manufactured to
comply with BS4533/EN 60 598
(for categorised louvres) Ⓔ
IP20 (IP40 conversion
sleeve available)
Emergency versions comply with
BS/EN 60598.2.2. Battens, spines,
reflector and louvre attachments are
suitable for defined escape routes,
as well as open areas. All other
attachments are suitable for
emergency lighting in open areas

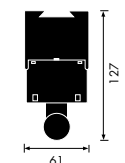
Specification

To specify state:
Fluorescent spine for attachment
on to Popular Trunking with metal
turn buckles and adjustable end
cap system.
As Thorn Popular Trunking Spine.

Single

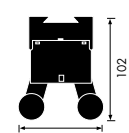


Shallow Trunking

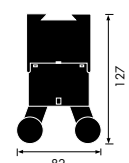


Deep Trunking

Twin (lampholder narrow position)

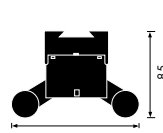


Shallow Trunking

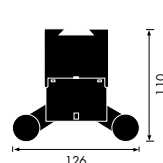


Deep Trunking

Twin (lampholder wide position)



Shallow Trunking



Deep Trunking

All dimensions in mm

Popular Range Trunking Spines

2:2

Ordering Guide

Supplied complete with lamps, unless otherwise stated.

To order a complete luminaire quote requires spine and corresponding attachment Cat. No.

Lamp type & rating	Weight (kg)	Cat. No.	Emergency version Weight (kg)	Cat. No.
Super Spine				
1200mm 1 x 36W	1.90	PTZXL136†	3.60	E3 PTZXL136#†
1200mm 2 x 36W	2.10	PTZXL236†	3.80	E3 PTZXL236#†
1500mm 1 x 58W	2.05	PTZXL158†	3.05	E3 PTZXL158†
1500mm 2 x 58W	2.25	PTZXL258†	3.25	E3 PTZXL258†
1800mm 1 x 70W	2.30	PTZXL170†	3.30	E3 PTZXL170†
1800mm 2 x 70W	2.50	PTZXL270†	3.50	E3 PTZXL270†
High Frequency Electronic ballast				
1200mm 1 x 36W	1.90	PTZ136*		
1200mm 2 x 36W	2.10	PTZ236*		
1500mm 1 x 58W	2.05	PTZ158*		
1500mm 2 x 58W	2.25	PTZ258*		
1800mm 1 x 70W	2.30	PTZ170*		
1800mm 2 x 70W	2.50	PTZ270*		
Switchstart				
1200mm 1 x 36W	2.60	PT136*	3.95	E3 PT136#
1200mm 2 x 36W	4.10	PT236*	5.45	E3 PT236#
1500mm 1 x 58W	3.40	PT158*	4.40	E3 PT158
1500mm 2 x 58W	5.45	PT258*	6.80	E3 PT258#
1800mm 1 x 70W	3.70	PT170*	4.85	E3 PT170
1800mm 2 x 70W	6.12	PT270*	7.45	E3 PT270#

* Less lamp versions are available. To order add suffix LL to the Cat. No.

Supplied with plug-in battery box.

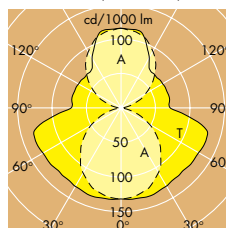
† Supplied with Polylux XL835 lamp.

Accessories

Description	Cat. No.
IP40 kit for lampholders (pack of 4 sleeves)	PP/PT LS

Photometric Data

Cat No: PP258 (Wide Position)



Lamp: 2 x 1500mm 58W 260

LOR: 0.96 ULOR: 0.38 DLOR: 0.58 LMC: A

Mounting: Ceiling

Utilisation factors UF (F)

Reflectances			Room Index				
C	W	F	1.0	2.0	3.0	4.0	5.0
0.8	0.6	0.2	0.60	0.77	0.84	0.88	0.91
	0.5		0.54	0.72	0.81	0.85	0.89
	0.3		0.46	0.65	0.74	0.80	0.84
0.7	0.6	0.2	0.56	0.71	0.78	0.82	0.85
	0.5		0.51	0.68	0.75	0.80	0.83
	0.3		0.44	0.61	0.70	0.75	0.79
0.5	0.6	0.2	0.48	0.62	0.68	0.71	0.73
	0.5		0.45	0.59	0.65	0.69	0.72
	0.3		0.39	0.54	0.61	0.66	0.69

Cat No: E3PPZXL258 (Wide Position)

Reflectance: 0.0 SHR NOM: 2.5 MF: 0.90

2m Escape route

Min illum (lux)	Mounting height (m)	Max spacing (m)	
		center to end	between centers
0.2	2	6.15	15.70
	trans 3	6.80	17.70
	4	7.10	19.00
0.2	2	3.95	9.50
	axial 3	4.65	11.50
	4	5.51	12.90

Open area

Min illum (lux)	Mounting height (m)	Max spacing (m)	
		center to end	between centers
0.025	2	10.75	6.50
	3	11.80	8.60
	4	13.15	9.90
			26.50
			30.90
			32.30
			22.20

Emergency factor

Room index	1	2	3	4	5
EF	0.01	0.02	0.02	0.02	0.03



Popular Trunking

1:1

Trunking

Popular Trunking suitable for use with spines from the Popular range.

Key Features

- Shallow and deep trunking, white painted for a more aesthetic appearance
- Instant electrical contact when spine is locked on to trunking terminal socket
- Metal locking turnbuckles twist to attach spines to trunking

Materials/Finish

Trunking couplers: Zinc coated steel with white enamel covers
 Trunking suspensions: Zinc coated steel.
 Trunking end caps: White enamel steel
 Trunking cover fillet: White PVC
 Trunking: Rolled section steel, white enamel finish
 Wiring Looms: Cables 2.5mm² LSF insulated

Installation/Mounting

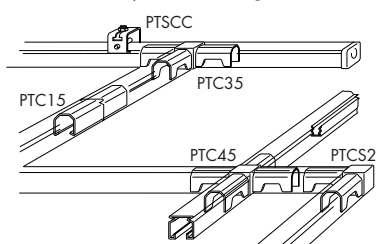
Cable (mm ²)		Factor
1.5	Solid	7.1
1.5	Stranded	8.1
2.5	Solid	10.2
2.5	Stranded	11.4
4.0	Stranded	15.2
6.0	Stranded	22.9
10.0	Stranded	36.3

Recommended trunking suspension centres

Close ceiling or wire suspension	2m
Rod or conduit suspension	3m

Specification

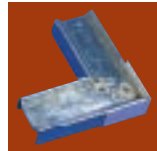
To specify state:
 Shallow/deep white finish trunking system
 As Thorn Popular Trunking



Accessories



PTC1 S



PTC2 S



PTC3 S



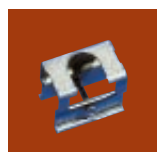
PTC4 S



PTEC S



PTS CC



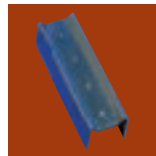
PTS C 20



PTCR S



PTTB3/PTTB5



PTC1 D



PTC2 D



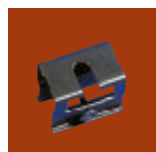
PTC3 D



PTC4 D



PTEC D



PTS R



PT 1800 CF



PTCR D



Shallow Trunking
 Cable factor: 380
 Weight: 1kg/m



Deep Trunking
 Cable factor: 720
 Weight: 1.5kg/m

All dimensions
 in mm

Ordering Guide

Description	Cat. No.
Shallow 4.5m white with coupler (PTC1 S)	PT 4500 S
Deep 4.5m white with coupler (PTC1 D)	PT 4500 D

Accessories

Description	Cat. No.
Straight coupler for shallow trunking	PTC1 S
Straight coupler for deep trunking	PTC1 D
Two way coupler for shallow trunking with cover	PTC2 S
Two way coupler for deep trunking with cover	PTC2 D
Three way coupler for shallow trunking with cover	PTC3 S
Three way coupler for deep trunking with cover	PTC3 D
Four way coupler for shallow trunking with cover	PTC4 S
Four way coupler for deep trunking with cover	PTC4 D
End cap for shallow trunking	PTEC S
End cap for deep trunking	PTEC D
Suspension - close ceiling	PTS CC
Suspension for rod 10mm dia	PTS R
Suspension for conduit 20mm dia	PTS C 20
Suspension for conduit 16mm dia	PTS C 16
Suspension with 3m long wire and ceiling fixing	PTS W
T bolt - 20mm dia (not required for PT spines)	PTT T
Cover fillet white pvc 1.8m long	PT 1800 CF
Cable retainer for shallow trunking (pack of 10)	PTCR S
Cable retainer for deep trunking (pack of 10)	PTCR D
Terminal socket 3 pole (pack of 2) for 2.5mm ² max. cable	PTTB 3
Terminal socket 5 pole (pack of 2) for 2.5mm ² max. cable	PTTB 5
Terminal socket kit - 3 pole with mains terminal 6mm ² max	PTLTB 3

Wiring Looms

6 way 1250 ctrs 3 core 7.5m long	PT WL 6/125/3
6 way 1550 ctrs 3 core 9.3m long	PT WL 6/155/3
6 way 1850 ctrs 3 core 11.1m long	PT WL 6/185/3
6 way 2150 ctrs 3 core 12.9m long	PT WL 6/215/3
6 way 2450 ctrs 3 core 14.7m long	PT WL 6/245/3
6 way 2750 ctrs 3 core 16.5m long	PT WL 6/275/3
6 way 1250 ctrs 5 core 7.5m long	PT WL 6/125/5
6 way 1550 ctrs 5 core 9.3m long	PT WL 6/155/5
6 way 1850 ctrs 5 core 11.1m long	PT WL 6/185/5
6 way 2150 ctrs 5 core 12.9m long	PT WL 6/215/5
6 way 2450 ctrs 5 core 14.7m long	PT WL 6/245/5
6 way 2750 ctrs 5 core 16.5m long	PT WL 6/275/5

Economy Diffusers

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Economy opal or prismatic diffusers for use with Popular Battens and Spines.

Key Features

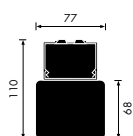
- For cost conscious schemes
- Suitable for use with battens and spines

Materials/Finish

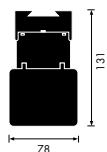
UV stabilised styrene with white ABS end caps

Single economy diffuser

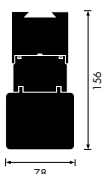
Batten



Shallow Trunking



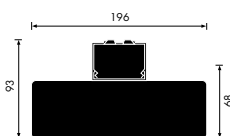
Deep Trunking



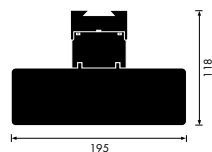
All dimensions in mm

Twin economy diffuser

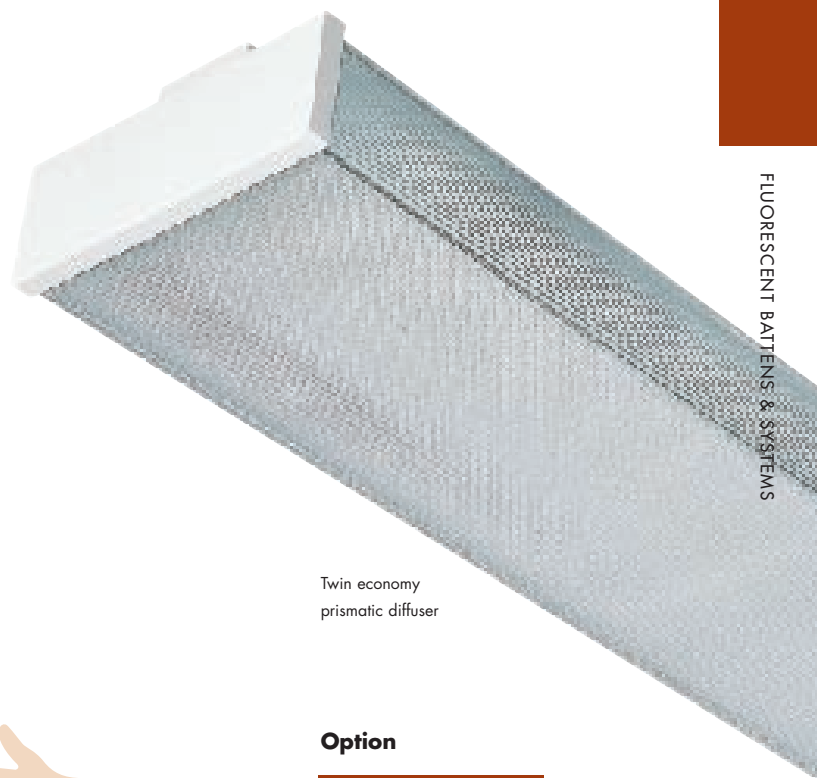
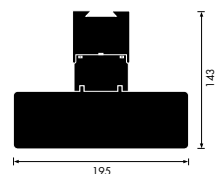
Batten



Shallow Trunking

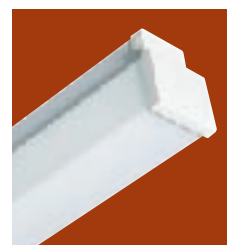


Deep Trunking



Twin economy prismatic diffuser

Option



Single economy opal diffuser

Ordering Guide

Description	Opal diffuser Cat. No.	Prismatic diffuser Cat. No.
Economy diffuser for 1 x 36W batten or spine	PPD 4	PPC 4
Economy diffuser for 1 x 58W batten or spine	PPD 5	PPC 5
Economy diffuser for 1 x 70W batten or spine	PPD 6	PPC 6
Economy diffuser for 1 x 100W batten	PPD 8	PPC 8
Economy diffuser for 2 x 18W batten	PPD 22	PPC 22
Economy diffuser for 2 x 36W batten or spine	PPD 24	PPC 24
Economy diffuser for 2 x 58W batten or spine	PPD 25	PPC 25
Economy diffuser for 2 x 70W batten or spine	PPD 26	PPC 26
Economy diffuser for 2 x 100W batten	PPD 28	PPC 28

Specification

To specify state:

Economy Diffuser: Diffuser in extruded opal polystyrene with external reeding/Prismatic controller in clear extruded polystyrene with finely embossed prismatic pattern in base.

As Thorn Popular Range Economy Diffuser (PPD/PPC)

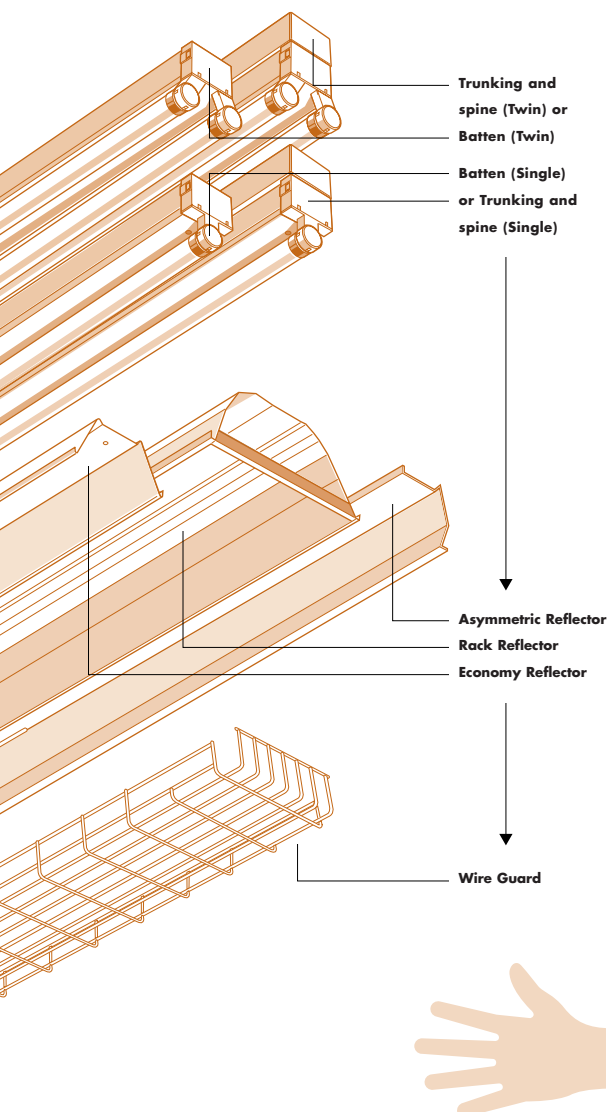
Economy Reflectors

1:1

Economy reflectors in wide and narrow sizes for use with Popular Battens and Spines.

Commercial and industrial applications:

Economy Reflectors
 Rack lighting reflector
 Asymmetrical metal reflector

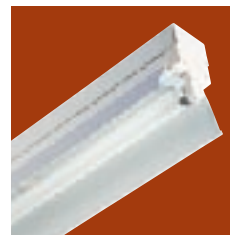


Key Features

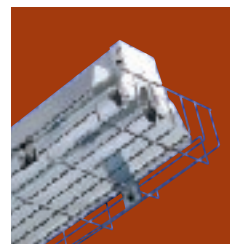
- For use with Popular Battens and Spines
- For cost conscious schemes
- Narrow reflector for lowest cost with single or twin battens or spines 36W - 70W and single 100W batten
- Wide reflector for highest light output with single or twin battens 36W - 100W and single or twin spines 36W - 70W
- Wire guard available for added protection
- Continuous end to end mounting possible (except emergency versions and wire guard)

Materials/Finish

Economy reflector: Rolled steel section in pre-coated high reflectivity white paint.
 Wire guards: Bright zinc plated steel.



Narrow economy reflector
 (on trunking spine and shallow trunking)



Wide economy reflector with wire guard (on batten)

Ordering Guide

Description	for Batten Cat. No.	for Spine Cat. No.	Optional wire guard for Batten and Spine Cat. No.
Economy reflector - narrow - for 1 and 2 x 36W	PPRE 4	PTRE 4	PP/PT GE 4
Economy reflector - narrow - for 1 and 2 x 58W	PPRE 5	PTRE 5	PP/PT GE 5
Economy reflector - narrow - for 1 and 2 x 70W	PPRE 6	PTRE 6	PP/PT GE 6
Economy reflector - narrow - for 1 x 100W	PPRE 8		PP/PT GE 8
Economy reflector - wide - for 1 and 2 x 36W	PPRE 24	PTRE 24	PP/PT GE 24
Economy reflector - wide - for 1 and 2 x 58W	PPRE 25	PTRE 25	PP/PT GE 25
Economy reflector - wide - for 1 and 2 x 70W	PPRE 26	PTRE 26	PP/PT GE 26
Economy reflector - wide - for 1 and 2 x 100W	PPRE 28		PP/PT GE 28

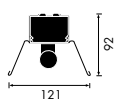
Specification

To specify state:

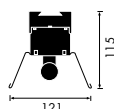
Open-ended, trough reflector in white stove enamelled steel with optional wire guard (PP/PT GE).

As Thorn Popular Range Metal Reflector (PPRE/PTRE) for use with Popular range battens or spines.

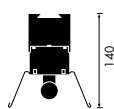
Narrow Reflector



Batten

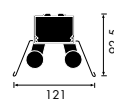


Shallow Trunking

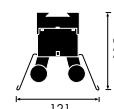


Deep Trunking

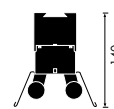
Narrow Reflector (lampholder narrow position)



Batten

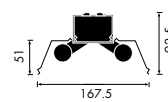


Shallow Trunking

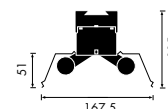


Deep Trunking

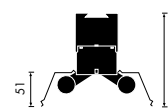
Wide Reflector (lampholder wide position)



Batten



Shallow Trunking

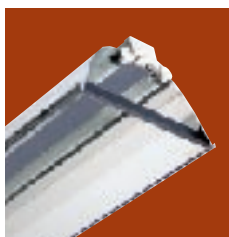


Deep Trunking

All dimensions in mm

Asymmetric and Rack Reflectors

1:1



Rack Lighting Reflector

For use with Popular Battens and Spines where vertical illumination is required in rack lights.

Key Features

- Gives glare free vertical illumination
- Controlled distribution avoids waste light
- Choice of single lamp version for narrow aisle racking or twin for work areas or storage with medium/low racking
- Continuous end to end mounting possible (except emergency versions)

Ordering Guide

Description	for Batten Cat. No.	for Spine Cat. No.
Rack reflector for 1 x 58W	PPRL 5	PTRL 5
Rack reflector for 1 x 70W	PPRL 6	PTRL 6
Rack reflector for 2 x 58W	PPRL 25	PTRL 25
Rack reflector for 2 x 70W	PPRL 26	PTRL 26

Specification

To specify state:
Special formed rack lighting reflector in high reflectivity polished aluminium
As Thorn Popular Range Rack Lighting Reflector (PPRL/PTRL)



Asymmetrical Metal Reflector

For use with Popular Battens or Spines where wall washing light is required.

Key Features

- Gives directional lighting with unpierced reflector to avoid bright spots
- Twin batten offers alternative lumen distribution with adjustable lampholder

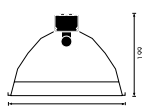
Ordering Guide

Description	for Batten Cat. No.	for Spine Cat. No.
Asymmetrical reflector for 1 & 2 x 36W	PPA 4	PTA 4
Asymmetrical reflector for 1 & 2 x 58W	PPA 5	PTA 5
Asymmetrical reflector for 1 & 2 x 70W	PPA 6	PTA 6
Asymmetrical reflector for 1 x 100W	PPA 8	—

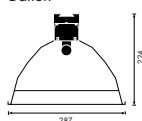
Specification

To specify state:
Single side angled reflector in white stove enamelled steel for single and twin tube battens
As Thorn Popular Range Angled Metal Reflector (PPA/PTA)

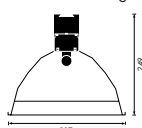
Rack Lighting Single



Batten

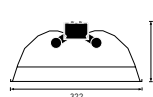


Shallow Trunking

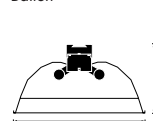


Deep Trunking

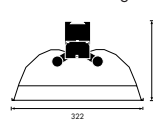
Rack Lighting Twin



Batten

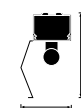


Shallow Trunking

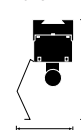


Deep Trunking

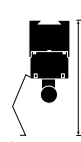
Asymmetrical metal reflector Single



Batten

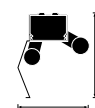


Shallow Trunking

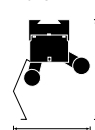


Deep Trunking

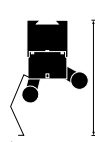
Asymmetrical metal reflector Twin



Batten



Shallow Trunking



Deep Trunking

All dimensions in mm

Popular Range System Reflectors

1:2

Reflectors

For use with Popular Battens and Spines. Flexible system for both industrial and commercial applications.

Key Features

- Choice of pure downlight or combined uplight versions
- Suited to industrial and commercial applications
- Can be used on their own or with various louvre or diffuser inserts
- Wire guard available for added protection to up/downlight reflector (wire guard cannot be used with louvre or diffuser inserts)

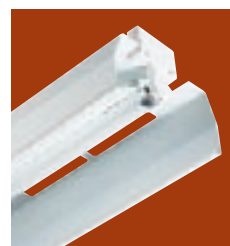
Materials/Finish

System reflector: High reflectivity white stoved enamel steel

Wire guards: Bright zinc plated steel

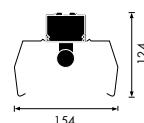
Downlight system reflector
(on trunking spine and deep trunking)

Option

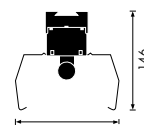


Combined up/downlight
system reflector(on batten)

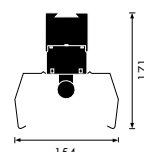
Narrow



Batten



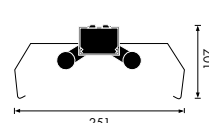
Shallow Trunking



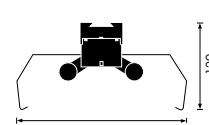
Deep Trunking

All dimensions in mm

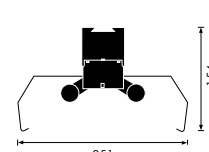
Wide



Batten



Shallow Trunking



Deep Trunking



Popular Range System Reflectors

2:2



Ordering Guide

Description	Downlight for Batten Cat. No.	Downlight for Spine Cat. No.	Up/downlight for Batten Cat. No.	Up/downlight for Spine Cat. No.
Narrow System reflector	PPRS 4	PTRS 4	PPRS 4 UL	PTRS 4 UL
Narrow System reflector	PPRS 5	PTRS 5	PPRS 5 UL	PTRS 5 UL
Narrow System reflector	PPRS 6	PTRS 6	PPRS 6 UL	PTRS 6 UL
Wide System reflector	PPRS 24	PTRS 24	PPRS 24 UL	PTRS 24 UL
Wide System reflector	PPRS 25	PTRS 25	PPRS 25 UL	PTRS 25 UL
Wide System reflector	PPRS 26	PTRS 26	PPRS 26 UL	PTRS 26 UL

Accessories

Description	Cat. No.
Wire guard for narrow system reflector up/downlight	PP/PT GS 4
Wire guard for narrow system reflector up/downlight	PP/PT GS 5
Wire guard for narrow system reflector up/downlight	PP/PT GS 6
Wire guard for wide system reflector up/downlight	PP/PT GS 24
Wire guard for wide system reflector up/downlight	PP/PT GS 25
Wire guard for wide system reflector up/downlight	PP/PT GS 26

See page 20 for range of optical inserts for use with System Reflectors.

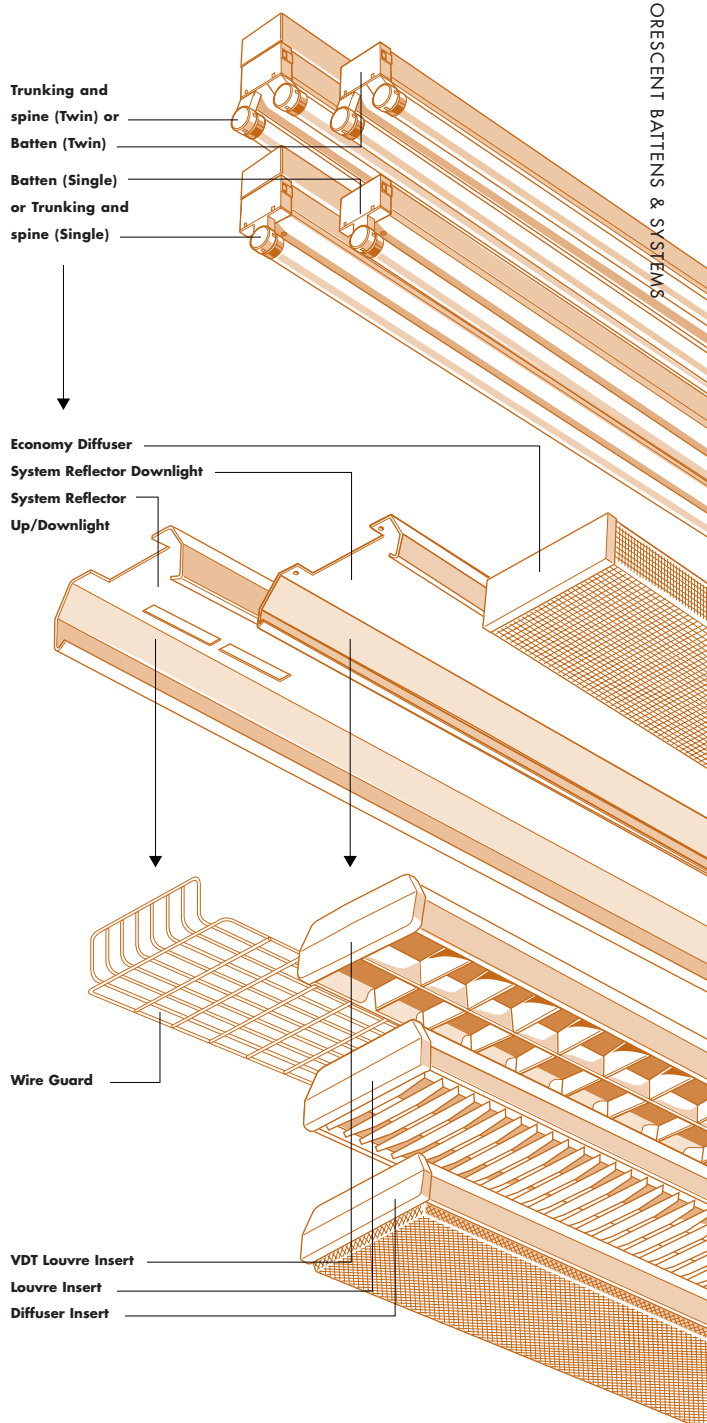
Specification

To specify state:

Down/up/downlight reflector to fit Popular Range spines or battens, with optional wire guard (PP/PT GS) and to carry louvre or diffuser inserts.

As Thorn Popular Range System Reflector

System reflectors and inserts



Optical Inserts

1:2

System Reflector Inserts

Optical inserts to be used in conjunction with Popular range system reflectors for commercial applications.

Key Features

- White cross vane louvre to break up linear appearance in large, general use areas
- Category 2 and 3 louvre in Mirrorbrite or Satinbrite for computer use compliance
- Opal diffuser, for general light distribution prismatic diffuser for uniform general illuminance

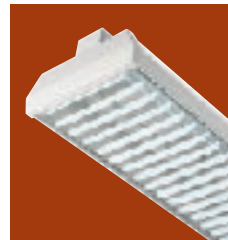
Materials/Finish

White louvre inserts: White stoved enamel steel with white ABS end caps

Categorised louvre inserts: Coil brightened and anodised high purity aluminium with Mirrorbrite or Satinbrite finish, with white ABS end caps

Diffuser inserts: Vacuum formed UV stabilised styrene with white ABS end caps

Options



Wide system reflector with white cross vane insert



Wide system reflector with prismatic insert



Wide system reflector with opal insert

Specification

To specify state:

System Reflector Inserts: White cross vane/LG3 Cat 3/Cat 2 Mirrorbrite/Satinbrite louvre insert or opal/prismatic diffuser insert to fit Popular system reflector
As Thorn Popular Range System Reflector Inserts

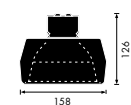
Narrow system reflector with LG3 Cat2 louvre insert

Optical Inserts

2:2

System reflector with categorised LG3 insert

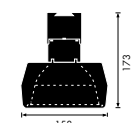
Narrow



Batten

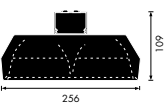


Shallow Trunking

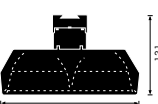


Deep Trunking

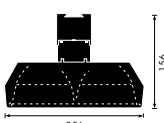
Wide



Batten



Shallow Trunking



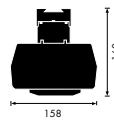
Deep Trunking

System reflector with cross vane insert

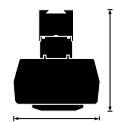
Narrow



Batten

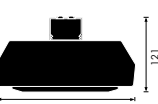


Shallow Trunking

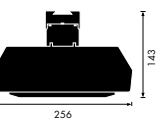


Deep Trunking

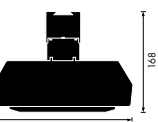
Wide



Batten



Shallow Trunking



Deep Trunking

System reflector with opal/prismatic insert

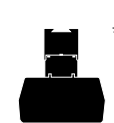
Narrow



Batten

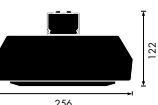


Shallow Trunking

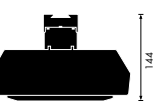


Deep Trunking

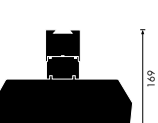
Wide



Batten



Shallow Trunking



Deep Trunking

All Dimensions in mm



Ordering Guide

Description	LG3 Cat2 Mirrorbrite insert Cat. No.	LG3 Cat2 Satinbrite insert Cat. No.
Cat 2 Insert louvre for use with system reflector		
for narrow system reflector	PP/PT L4Cat2 MB	PP/PT L4Cat2 SB
for narrow system reflector	PP/PT L5Cat2 MB	PP/PT L5Cat2 SB
for narrow system reflector	PP/PT L6Cat2 MB	PP/PT L6Cat2 SB
for wide system reflector	PP/PT L24Cat2 MB	PP/PT L24Cat2 SB
for wide system reflector	PP/PT L25Cat2 MB	PP/PT L25Cat2 SB
for wide system reflector	PP/PT L26Cat2 MB	PP/PT L26Cat2 SB

for single lamp battens or spines

for twin lamp battens or spines

Description	LG3 Cat3 Mirrorbrite insert Cat. No.	LG3 Cat3 Satinbrite insert Cat. No.
Cat 3 Insert louvre for use with system reflector		
for narrow system reflector	PP/PT L4Cat3 MB	PP/PT L4Cat3 SB
for narrow system reflector	PP/PT L5Cat3 MB	PP/PT L5Cat3 SB
for narrow system reflector	PP/PT L6Cat3 MB	PP/PT L6Cat3 SB
for wide system reflector	PP/PT L24Cat3 MB	PP/PT L24Cat3 SB
for wide system reflector	PP/PT L25Cat3 MB	PP/PT L25Cat3 SB
for wide system reflector	PP/PT L26Cat3 MB	PP/PT L26Cat3 SB

for single lamp battens or spines

for twin lamp battens or spines

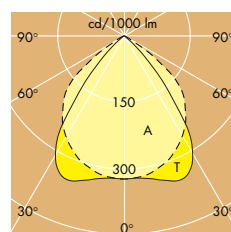
Description	White cross vane insert Cat. No.	Opal diffuser insert Cat. No.	Prismatic diffuser insert Cat. No.
Insert louvre or diffuser for use with system reflector			
for narrow system reflector	PP/PT 4W	PP/PT OD4	PP/PT PD4
for narrow system reflector	PP/PT 5W	PP/PT OD5	PP/PT PD5
for narrow system reflector	PP/PT 6W	PP/PT OD6	PP/PT PD6
for wide system reflector	PP/PT 24W	PP/PT OD24	PP/PT PD24
for wide system reflector	PP/PT 25W	PP/PT OD25	PP/PT PD25
for wide system reflector	PP/PT 26W	PP/PT OD26	PP/PT PD26

for single
or twin lamp
battens or
spines

See page 18 for System reflectors for use with these optical units.

Photometric Data

Cat No: PTZXL258+PTRS 25+PP/PTL 25Cat2MB



Lamp: 2 x 1500mm 58W 26Ø

LOR: 0.57 DLOR: 0.57 LMC: C SHR max: 1.57

Utilisation factors UF (F)

Reflectances			Room Index				
C	W	F	1.0	2.0	3.0	4.0	5.0
0.8	0.6	0.2	0.53	0.60	0.63	0.64	0.65
	0.5		0.51	0.59	0.62	0.63	0.64
	0.3		0.48	0.57	0.60	0.62	0.63
0.7	0.6	0.2	0.52	0.59	0.61	0.63	0.63
	0.5		0.51	0.58	0.61	0.62	0.63
	0.3		0.48	0.56	0.59	0.61	0.62
0.5	0.6	0.2	0.51	0.57	0.59	0.60	0.61
	0.5		0.50	0.56	0.59	0.60	0.60
	0.3		0.47	0.55	0.57	0.59	0.60

Cat No: E3PTZXL258

Reflectance: 0.0 SHR NOM: 2.5 MF: 0.90

2m Escape route

Min illum (lux)	Mounting height (m)	Max spacing (m)	
		center to end	between centers
	2	2.50	5.40
0.2	trans 3	3.40	7.40
	4	4.25	9.20
	2	3.25	6.70
0.2	axial 3	4.50	9.70
	4	5.55	12.20

Open area

Min illum (lux)	Mounting height (m)	Max spacing (m)	
		center to end	between centers
	2	2.35	3.40
0.025	3	3.45	4.50
	4	4.35	5.35
		5.40	7.50
		7.70	9.90
		9.70	11.80

Emergency factor

Room index	1	2	3	4	5
EF	0.03	0.03	0.03	0.03	0.03

Architectural Up/Downlight Attachments

1:2

Decorative up/downlight attachments for use with Popular Battens and Spines, combining architectural lighting effects with VDT area requirements.

Architectural up/downlight



Key Features

Architectural uplight attachment

- Can be used in VDT areas

Architectural Up/Downlight Attachment

- Central louvre gives LG3 category 2 compliance
- Visual interest given with perforated baffles

Architectural Wing Attachment

- For use with architectural up or up/downlight attachment
- Gives indirect reflection of upward component of light
- Especially useful in suspended installations with high ceilings (not suitable for ceiling mounted battens)

Batten Cover

- Required to enclose batten when wing reflector is not used (not required for trunking spines)

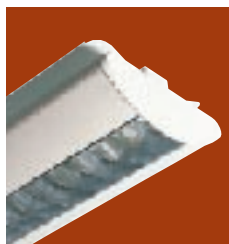
Materials/Finish

Architectural attachments:
Stoved enamel white low gloss
RAL 9010 perforated sheet steel with ABS end caps
Architectural attachments batten cover and wing reflector: Sheet steel with white stoved enamel finish
Louvre: High purity aluminium, coil brightened, low iridescent Texturebrite finish

Options

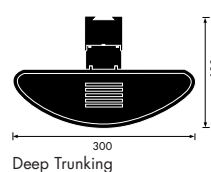
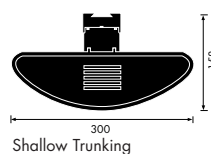
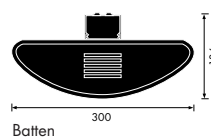


Architectural uplight



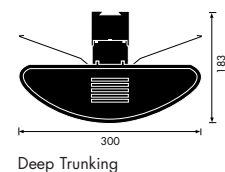
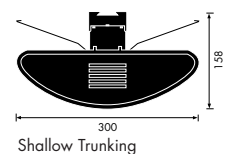
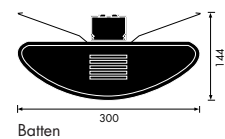
Architectural up/downlight with wing reflector

Uplight & Up/Downlight



All dimensions in mm

Uplight & Up/Downlight with wing reflector



Architectural Up/Downlight Attachments

2:2

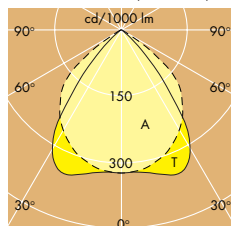
Ordering Guide

Description	for Batten Cat. No.	for Spine Cat. No.
Architectural uplight attachment for 1 and 2 x 36W	PP UL4	PT UL4
Architectural uplight attachment for 1 and 2 x 58W	PP UL5	PT UL5
Architectural uplight attachment for 1 and 2 x 70W	PP UL6	PT UL6
Architectural up/downlight attachment for 1 and 2 x 36W	PP DIL4	PT DIL4
Architectural up/downlight attachment for 1 and 2 x 58W	PP DIL5	PT DIL5
Architectural up/downlight attachment for 1 and 2 x 70W	PP DIL6	PT DIL6
Architectural wing reflector for 1 and 2 x 36W	PPW4	PTW4
Architectural wing reflector for 1 and 2 x 58W	PPW5	PTW5
Architectural wing reflector for 1 and 2 x 70W	PPW6	PTW6
Batten cover for 1 and 2 x 36W	PPBC 4*	
Batten cover for 1 and 2 x 58W	PPBC 5*	
Batten cover for 1 and 2 x 70W	PPBC 6*	

* Required only when wing reflector is not used and only required for battens not spines.

Photometric Data

Cat No: FTZXL258+PP/PT DIL5+PT/W5



Lamp: 2 x 1500mm 58W 260

LOR: 0.62 ULOR: 0.13 DLOR: 0.49 LMC: F SHR max: 1.54

Utilisation factors UF (F)

Reflectances			Room Index				
C	W	F	1.0	2.0	3.0	4.0	5.0
0.8	0.6	0.2	0.48	0.58	0.62	0.64	0.65
	0.5		0.45	0.56	0.60	0.62	0.64
	0.3		0.41	0.52	0.57	0.60	0.62
0.7	0.6	0.2	0.46	0.56	0.59	0.61	0.62
	0.5		0.44	0.54	0.58	0.60	0.61
	0.3		0.40	0.51	0.55	0.58	0.59
0.5	0.6	0.2	0.43	0.51	0.54	0.56	0.57
	0.5		0.41	0.50	0.53	0.55	0.56
	0.3		0.38	0.47	0.51	0.53	0.55

Cat. No: E3PTZXL258

Reflectance: 0.0 SHR NOM: 2.5 MF: 0.90

2m Escape route

Min illum (lux)	Mounting height (m)	Max spacing (m)	
		center to end	between centers
0.2	2	3.50	8.50
	trans 3	4.50	10.20
	4	5.35	12.30
0.2	2	3.05	6.60
	axial 3	4.10	9.00
	4	5.00	11.10

Open area

Min illum (lux)	Mounting height (m)	Max spacing (m)	
		center to end Transverse Axial	between centers Transverse Axial
0.025	2	5.35 4.70	16.80 8.40
	3	6.85 4.60	17.90 11.30
	4	5.00 6.00	16.00 14.10

Emergency factor

Room index	1	2	3	4	5
EF	0.02	0.02	0.02	0.02	0.02

Specification

To specify state:

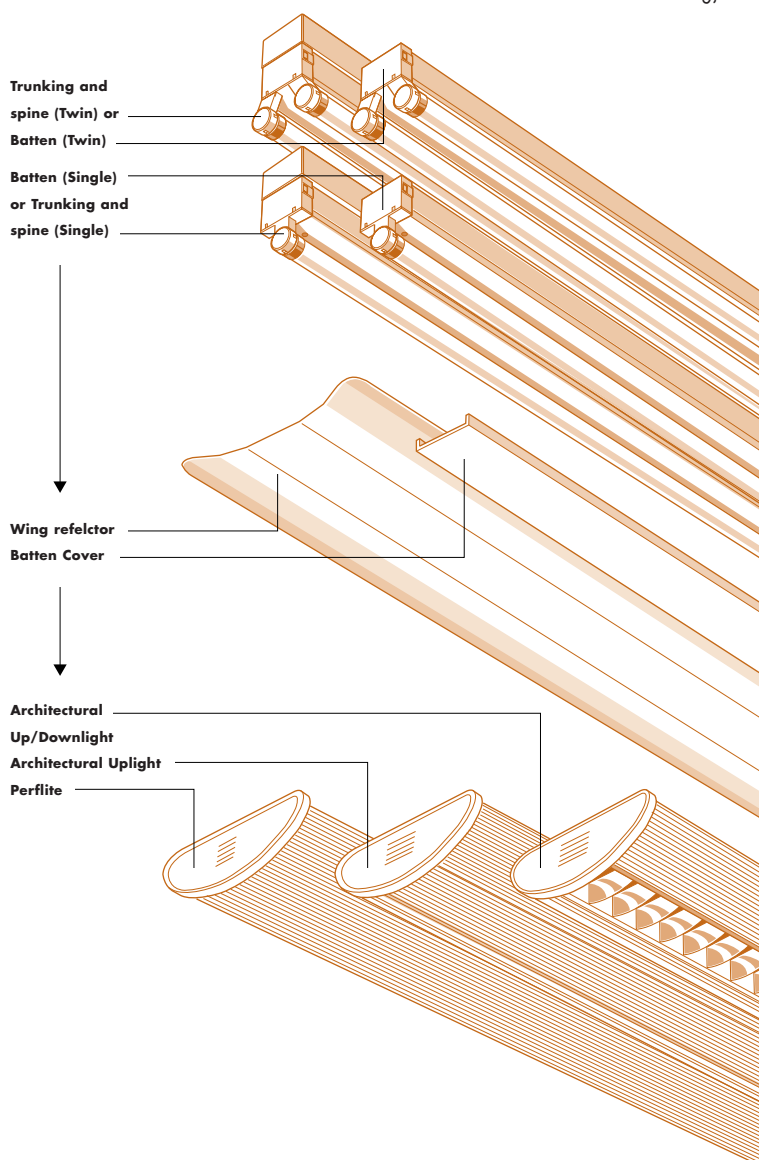
Architectural Uplight: Uplight to fit Popular batten spine, shallow curved white stove enamelled steel with optional gull wing reflector.
As Thorn Popular Range Architectural Uplight (PP/PT UL)

Architectural Up/Downlight: Up/Downlight to fit Popular batten/spine, shallow perforated white stove enamelled steel with central, Texturebrite louvre, with optional gull wing reflector.

As Thorn Popular Range Architectural Up/Downlight (PP/PT DIL + PPW/PPBC)

Architectural Applications:

Downlight attachments



Popular Range Perflite

1:1

A unique diffuser attachment which combines the fashionable effect of micro-perforations with the even diffusion of opal plastic. The profile of the Perflite diffuser echoes the shape of the Popular Range Architectural Attachments to enable co-ordinated scheme design.

Key Features

- Suitable for use with battens and spines
- Diffused up and downlighting
- Simulates the appearance of micro-perforated metal
- Easy to clean and maintain

Materials/Finish

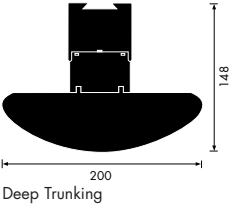
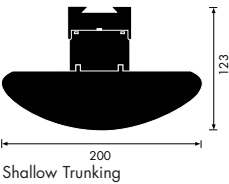
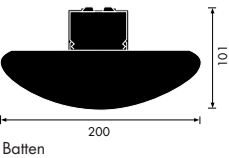
Diffuser: UV stabilised extruded white opal plastic with external micro-perforated effect
End caps: White ABS

Ordering Guide

Description	Cat. No.
Perflite diffuser for 1 x 36W batten or spine	PP/PT PFD 4
Perflite diffuser for 1 x 58W batten or spine	PP/PT PFD 5
Perflite diffuser for 1 x 70W batten or spine	PP/PT PFD 6
Perflite diffuser for 2 x 36W batten or spine	PP/PT PFD 24
Perflite diffuser for 2 x 58W batten or spine	PP/PT PFD 25
Perflite diffuser for 2 x 70W batten or spine	PP/PT PFD 26

Specification

To specify state:
Perforated effect opal diffuser
As Thorn Popular Range Perflite diffuser (PP/PT PFD)



All dimensions in mm

