

TL90-Acoustic

Suspended

TL90-Acoustic is an sound absorbing architectural suspended downlight. Constructed with extruded aluminium housing combined with a Acoustic Class A, PET Fibre acoustic raft.

- Efficacy of up to 131lm/W.
- Colour temperatures: 3000°k or 4000°k as standard.
- Colour Finishes: White (9016), Black (9005), Other RAL colours, available on request.
- Available in 20°, 30° or 50° beam angles to suit your application.
- Dimming options: DALI 1-100% Dim, DSI, Switch Dim.
- Wireless control options: Casambi.
- Acoustic diameters: 800mmØ Or 1200mmØ rafts.
- Acoustic Performance: Class A.
- Acoustic : PET Fibre as standard, Fabric available on request.
- Standalone Emergency options available*.

Technical

| | |
|-------------------------|---------------------------------------|
| Product | TL90-Acoustic |
| Mounting type | Suspended |
| Diameter | 90mm |
| Lumens | 941 - 2116lm |
| Efficacy | Up to 131 lm/W |
| Colour Temperature | Warm White (3K) Neutral White (4K) |
| Beam Angles | 20° 30° 50° |
| Acoustic raft Diameters | 800mmØ x 24mm 1200mmØ x 24mm |
| Dimming | DALI 1-100%, DSI, Switch Dim, Casambi |
| Emergency** | Remote Standalone only |
| Rendering | Ra80 |
| IP Rating | IP20 |
| Safety Class | Class 1 |
| MacAdam | SDCM 3 |
| L70/B10 | >50K |

* Standalone emergency on available for TL90 Acoustic

P&A TL90-Acoustic

Luminaire Order Builder

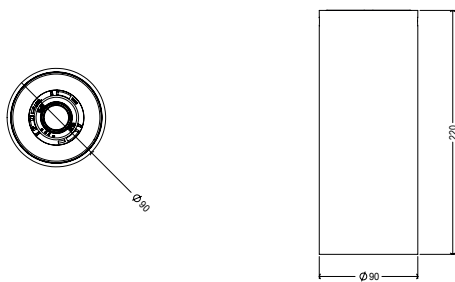
TL90-Acoustic

| STEP 1. Select Mounting | STEP 2. Current | STEP 3. Optics | STEP 4. CCT | STEP 5. Control | STEP 6. Finish | STEP 7. Acoustic | STEP 8. Emergency |
|-----------------------------|---------------------------------------|------------------------------|--------------------|---------------------------------|----------------------|---|---|
| FS Flex suspended | 20 200mA 941 Lm - 7.2W | 20 20° degree beam | 3K 3000K | FO Fixed Output | W RAL9016M | 8P 800mm Acoustic PET Raft | EM Remote standalone emergency available upon request |
| WS Wire suspended | 25 250mA 1176 Lm - 9W | 30 30° degree beam | 4K 4000K | A1 DALI 1-100% Dim | B RAL9005 | 12P 1200mm Acoustic PET Raft | |
| | 30 300mA 1411 Lm - 10.8W | 50 50° degree beam | | A2 DSI | Z Custom | | |
| | 35 350mA 1646 Lm - 12.6W | | | A3 Switch Dim | | | |
| | 40 400mA 1881 Lm - 14.4W | | | A5 Casambi | | | |
| | 45 450mA 2116 Lm - 16.1W | | | | | | |

All electrical and optical data subject to ± 10% tolerances.
Values based on 4000K Colour temperature and CRI80.
CRI90 available upon request.

Example Code: TL90ACFS30304KA18PW

*Please see last page for colour options.



Dimensions

| D Ø | H | Finish | Code | Colour Swatch |
|-----|-----|---------|---------|---------------|
| 90 | 220 | White | 9016M | |
| | | Black | 9005 | |
| | | Custom* | Custom* | |

All dimensions are measured in millimetres (mm)

*Custom Colours upon request



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www.pandaprojects.co.uk

Datasheet Code: PA-10179-10



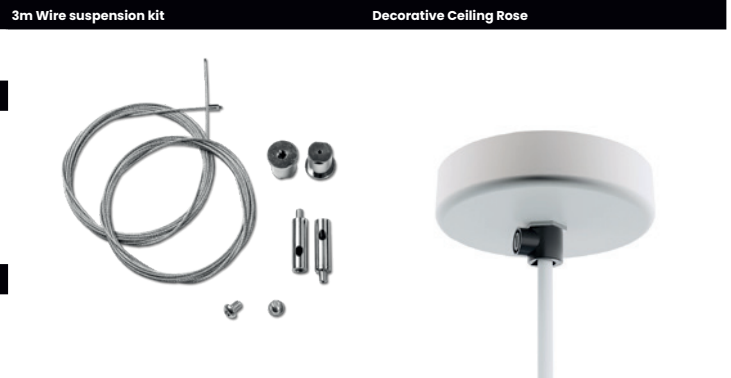
P&A TL90-Acoustic

TL-WS Ancillaries

| Wire Suspensions | Code |
|--|------------|
| 3m Wire suspension kit | WS-3M |
| Custom length (1m increments) | WS-ZM |
| Clear 0.75mm ² , Supply Cable | |
| 3 core, Clear, 3m | FL-3C-C-3M |
| 3 core, Clear, Custom Length* | FL-3C-C-ZM |
| 5 core, Clear, 3m | FL-5C-C-3M |
| 5 core, Clear, Custom Length* | FL-5C-C-ZM |
| 6 core, Clear, 3m | FL-6C-C-3M |
| 6 core, Clear, Custom Length* | FL-6C-C-ZM |
| Black 0.75mm ² , Supply Cable | |
| 3 core, Black, 3m | FL-3C-B-3M |
| 3 core, Black, Custom Length* | FL-3C-B-ZM |
| 5 core, Black, 3m | FL-5C-B-3M |
| 5 core, Black, Custom Length* | FL-5C-B-ZM |
| 6 core, Black, 3m | FL-6C-B-3M |
| 6 core, Black, Custom Length* | FL-6C-B-ZM |
| White 0.75mm ² , Supply Cable | |
| 3 core, White, 3m | FL-3C-W-3M |
| 3 core, White, Custom Length* | FL-3C-W-ZM |
| 5 core, White, 3m | FL-5C-W-3M |
| 5 core, White, Custom Length* | FL-5C-W-ZM |
| 6 core, White, 3m | FL-6C-W-3M |
| 6 core, White, Custom Length* | FL-6C-W-ZM |
| Decorative Ceiling Rose | |
| Silver RAL9006 | CR-120-1-S |
| Black RAL9005 | CR-120-1-B |
| White RAL9016 | CR-120-1-W |
| Custom RAL Colour** | CR-120-1-Z |

*Please replace Z with required cut meter length.
**Please replace Z with required Custom RAL Colour.

Ancillaries images



| | | |
|--|---|--|
| IP20 <small>Protection of fingers against access to hazardous parts, and protection against objects larger than 12.5mm</small> |  <small>Safety Class Class I Safety: chassis is connected to earth with a separate terminal, instead of via the mains cable</small> |  <small>5 Year Warranty</small> |
|--|---|--|

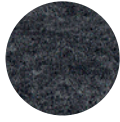
P&A TL90-Acoustic

Acoustic colour options

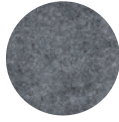
PET Fibre



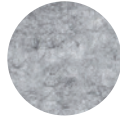
Black
PET Fibre



Dark Grey
PET Fibre



Grey
PET Fibre



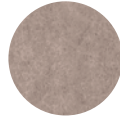
Light Grey
PET Fibre



White
PET Fibre



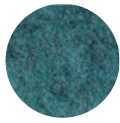
Opal
PET Fibre



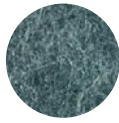
Sand
PET Fibre



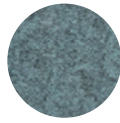
Nocturn
PET Fibre



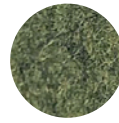
Neptune
PET Fibre



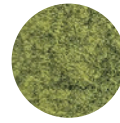
Eden
PET Fibre



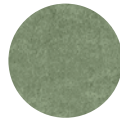
Mist
PET Fibre



Olive Green
PET Fibre



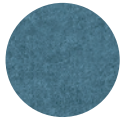
Meadow Green
PET Fibre



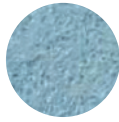
Sage Green
PET Fibre



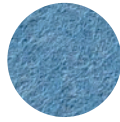
Ocean
PET Fibre



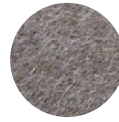
Cyprus
PET Fibre



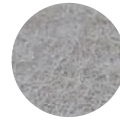
Sky Blue
PET Fibre



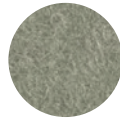
Blue
PET Fibre



Oyster
PET Fibre



Clouds
PET Fibre



Purbeck
PET Fibre



RPET
Fibre



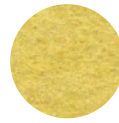
Peach
PET Fibre



Burnt Orange
PET Fibre



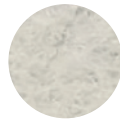
Caramel
PET Fibre



Yellow
PET Fibre



Natural
PET Fibre



Marble White
PET Fibre

Technical Data

Acoustic properties

Fire Specification

EN13501-2:2007+A1:2009 Class B s1, d0

ASTM E84-2019 B Class A

Composition

A minimum of 65% post-consumer recycled polyester fibres.

Weight M2

24mm 3.8Kg

VOC Emissions

<0.02Mg/M2

Recyclable content

100%

Acoustic Rating

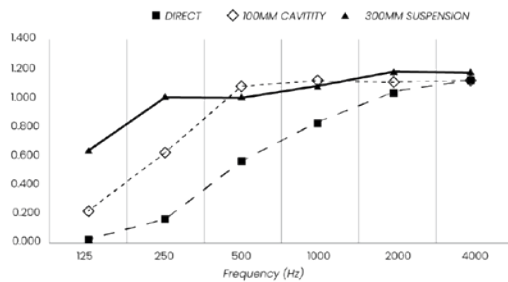
CLASS A

Plastic Bottles per sheet

24mm - 355 Bottles

24mm Data

SOUND ABSORPTION



| 24mm Acoustic Data | | | | | | | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|
| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC |
| Direct | 0.030 | 0.170 | 0.570 | 0.840 | 1.060 | 1.130 | 0.650 |
| 100mm Cavity | 0.220 | 0.630 | 1.090 | 1.140 | 1.120 | 1.130 | 1.000 |
| 300mm Suspension | 0.640 | 1.020 | 1.020 | 1.100 | 1.200 | 1.190 | 1.100 |

IP20

IP20
Protection of fingers against
access to hazardous parts, and
protection against objects larger
than 12.5mm



Safety Class
Class 1 Safety chassis is con-
nected to earth with a separate
terminal, instead of via the
main cable



Warranty
5 year Guarantee



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Datasheet Code: PA-10179-10



BS EN60598-1:2015
ISO 9001 Certification

