Better Homes and Gardens
SEEN ON BHG TV 7

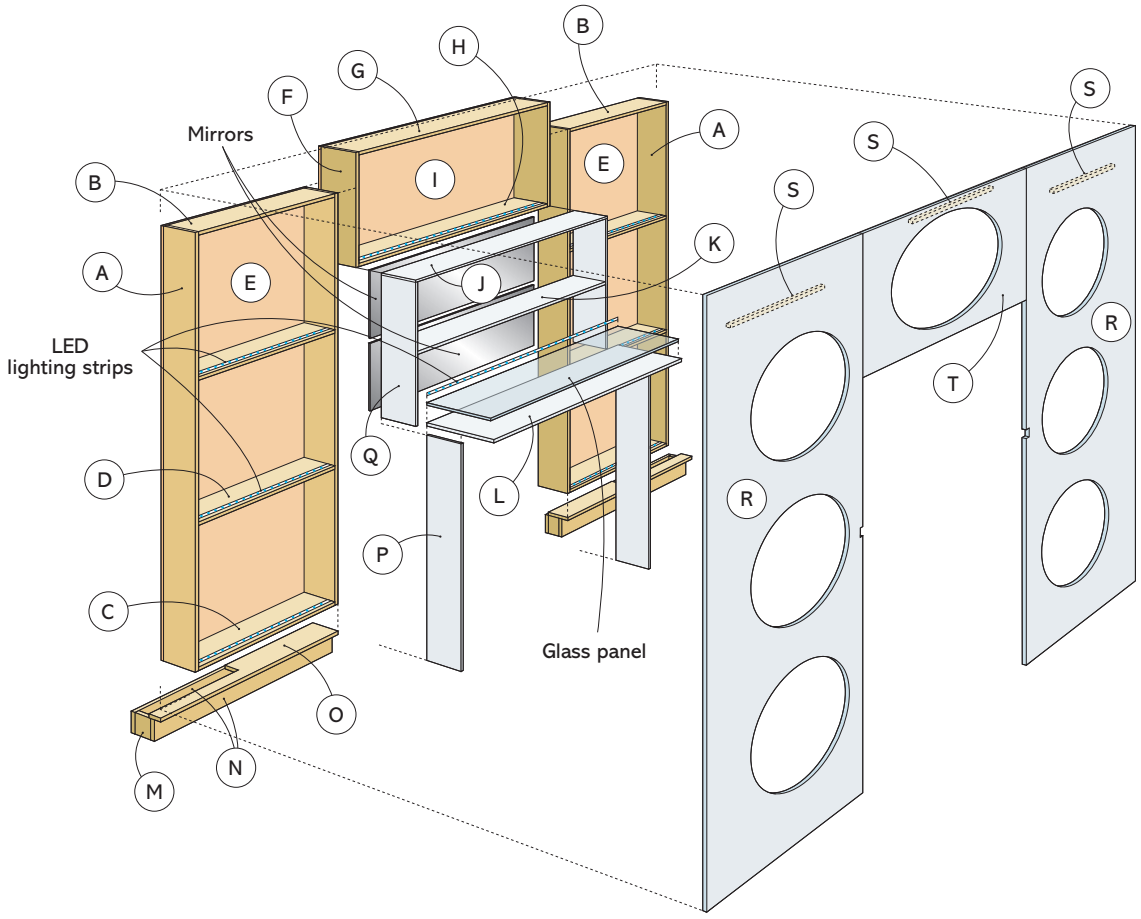
Use the force

A lounge room makeover that's out of this world!

With its iconic scenes of galactic fantasy, *Star Wars* is one of cinema's most popular film series. Now you can turn a room in your home into a scene from the Death Star with this *Star Wars* display.

Even if the force isn't strong within you, the ideas and step-by-step instructions in this pattern sheet will help you create a fantastic display for all your movie memorabilia.

Diagram for Light side of the universe



STAR WARS ROOM

Light side of the universe

Gather your supplies

Item Part	Size	Material
A Cabinet side (4)	2050 x 150 x 17mm	CD plywood
B Cabinet top (2)	710 x 150 x 17mm	CD plywood
C Cabinet bottom (2)	710 x 150 x 17mm	CD plywood
D Cabinet shelf (4)	710 x 150 x 17mm	CD plywood
E Cabinet back (2)	2050 x 744 x 12mm	MDF
F Centre cabinet side (2)	590 x 150 x 17mm	CD plywood
G Centre cabinet top	1176 x 150 x 17mm	CD plywood
H Centre cabinet bottom	1176 x 150 x 17mm	CD plywood
I Centre cabinet back.	1210 x 590 x 12mm	MDF
J Centre cover strip	1210 x 162 x 12mm	MDF
K Shelf	1210 x 142 x 18mm	Dressed pine
L Wide shelf	1210 x 315 x 16mm	MDF
M Kickplate end (4)	74 x 100 x 18mm	Dressed pine
N Kickplate side (4)	920 x 100 x 18mm	Dressed pine
O Kickplate top (2)	920 x 120 x 18mm	Dressed pine
P Lower side cover strip (2)	1110 x 162 x 12mm	MDF
Q Upper side cover strip (2)	725 x 152 x 12mm	MDF
R Cabinet front panel (2)	2420 x 935 x 12mm	MDF
S Panel mounting strip (3)	600 x 20 x 17mm	CD Plywood
T Centre front panel.	1180 x 620 x 12mm	MDF

You'll also need

Tape measure; power saw with fence attachment; dust mask; nail gun and nails; drill and various drill bits; 25 and 30mm wood screws; 1200 x 350mm mirror (2); clear silicone; caulking gun; double-sided tape; self-adhesive LED light strips (Q); electrical cable clips; spray paint (white); 1200 x 300mm glass pool fence panel; self-adhesive felt dots; ribbon; marker pen; jigsaw; sandpaper; router or trimmer fitted with 6.35mm rounding over bit; wood filler; undercoat; low sheen acrylic paint in White

Note **1.** Units require a power point on the same wall, preferably under the cabinets. If required, have any extra power points installed by a licensed electrician. **2.** Check all components against actual unit as it is being built before cutting to size. **3.** All components are painted with undercoat and two top coats prior to assembly. Allow paint to dry between coats. **4.** Always wear a dust mask when cutting or sanding MDF.

LIGHT SIDE OF THE UNIVERSE

Bringing the forces of good and evil together

Here's how

STEP 1 Using a power saw with fence attached, cut nine 150mm-wide strips of 17mm plywood for all display cabinets.

STEP 2 Remove fence from saw and cut cabinet sides (A), top (B), bottom (C) and shelves (D) to length.

STEP 3 With timber on edge, butt cabinet top into 1 cabinet side flush with end. Nail together. Repeat with cabinet bottom at other end of side. Attach second cabinet side onto open ends of cabinet top and bottom to create a rectangle.

STEP 4 To mark shelf positions on sides, measure 678mm and 1356mm from one end. These are where tops of shelves will sit. Place a shelf inside the rectangle at these positions, then nail through sides into shelf.

STEP 5 Place cabinet back (E) on cabinet assembly and nail through back to attach. Repeat Steps 2-5 to construct a second cabinet.

STEP 6 Mark out position of cabinets on wall with a 1210mm gap between them. Where cabinets will sit, determine position of wall studs by tapping wall and listening for change in sound. Confirm by drilling a few small test holes. Transfer position of wall studs to back of each cabinet. Predrill and countersink holes at these points at top and bottom of each cabinet.

STEP 7 Using offcuts of plywood, construct 2 T-shaped assemblies 240mm long to act as temporary supports for mounting cabinets. Place on end on floor then sit cabinet on these stands.

STEP 8 Make cabinet plumb and screw though holes in cabinet (made in Step 6) into wall studs. Repeat to attach second cabinet to wall, ensuring it is level with the first.

STEP 9 Cut components for centre cabinet (F-I) to size and construct in same way as other cabinets. Place centre cabinet against wall between other cabinets with top 180mm above them. To secure, screw through sides of centre cabinet into cabinets on either side using 30mm wood screws.

STEP 10 Attach centre cover strip (J) to underside of centre cabinet (H), screwing through cabinet into cover strip with 25mm wood screws.

STEP 11 Place shelf (K) between cabinets so gap between centre cover strip and top of shelf is 352mm. Screw through cabinet side into shelf.

STEP 12 Place wide shelf (L) between cabinets so gap between shelf attached in Step 11 and wide shelf is 367mm. Screw through cabinet sides into shelf.

STEP 13 To adhere mirror to wall, apply about 12 blobs of silicone to wall between centre cover strip and shelf.

STEP 14 Attach strips of double-sided tape to back of mirror so they do not coincide with silicone on wall. Peel off backing to expose tape. Place mirror against wall and press into silicone so tape sticks to wall. Repeat Steps 13 and 14 to

steps

attach second mirror to gap between shelf and wide shelf. Make sure this mirror is hard against underside of shelf, leaving a gap between mirror and wide shelf.

STEP 15 Join 2 self-adhesive LED light strips following product instructions. Remove backing tape and stick on 1 cabinet bottom flush with front edge. Notch front edge of cabinet to allow for cables and run them to power point.

STEP 16 Repeat Step 15 to attach light strips to other cabinet bottom, cabinet shelves and centre cabinet bottom. Run cables down sides or towards front edges of cabinets where they will not be seen. Hold cables in place using cable clips.

STEP 17 Join LED light strips and cut where indicated to suit width of wide shelf. Stick to wall in gap between wide shelf and mirror above.

STEP 18 Use white spray paint to coat 1 side of glass pool fence panel and let dry. Stick self-adhesive felt protectors on top of wide shelf then place pool fence panel, painted side down, on protectors.

STEP 19 Construct rectangular kickplate assembly by butting kickplate ends (M) into kickplate sides (N) and nailing together. Cut and remove half of kickplate top (O) so wiring of lights can sit inside kickplate when installed. Screw kickplate top to kickplate assembly so front edge of top overhangs assembly by 25mm. Place completed kickplate in position under cabinet and put wiring inside. Ensure front edge of kickplate top is in line with front edge of cabinet above. Repeat to build second kickplate in a mirror image of first to sit under other cabinet.

STEP 20 Cut lower side cover strip (P) to sit between underside of wide shelf and floor. Notch to fit around skirting. Screw through side of cabinet into cover strip to secure using 25mm screws. Repeat for other cabinet.

STEP 21 Cut upper side cover strip (Q) to sit between centre cover strip and glass panel on wide shelf. Notch cover strip to fit around shelf. Screw through side of cabinet to cover strip to secure. Repeat for other cabinet.

STEP 22 To create holes in cabinet front panel (R), you need to set out an oval shape called an ellipse on the panel. Here, ellipse is 600mm wide and 500mm high. This shape is cut out and used as a template for rest of holes on panel. To make ellipse, draw a line across panel 573mm from 1 end. From 1 side, mark a point 387mm along this line. At this point draw a perpendicular line towards end of sheet.

STEP 23 Along perpendicular line, mark a point from first line that is half height of ellipse, here 250mm.

STEP 24 Determine half the width of ellipse, here 300mm. Using same distance on measuring tape, place tape on point marked on perpendicular line in Step 23. Swing tape until end meets line drawn across sheet. Mark this point. Repeat to mark line across sheet on other side of perpendicular line.

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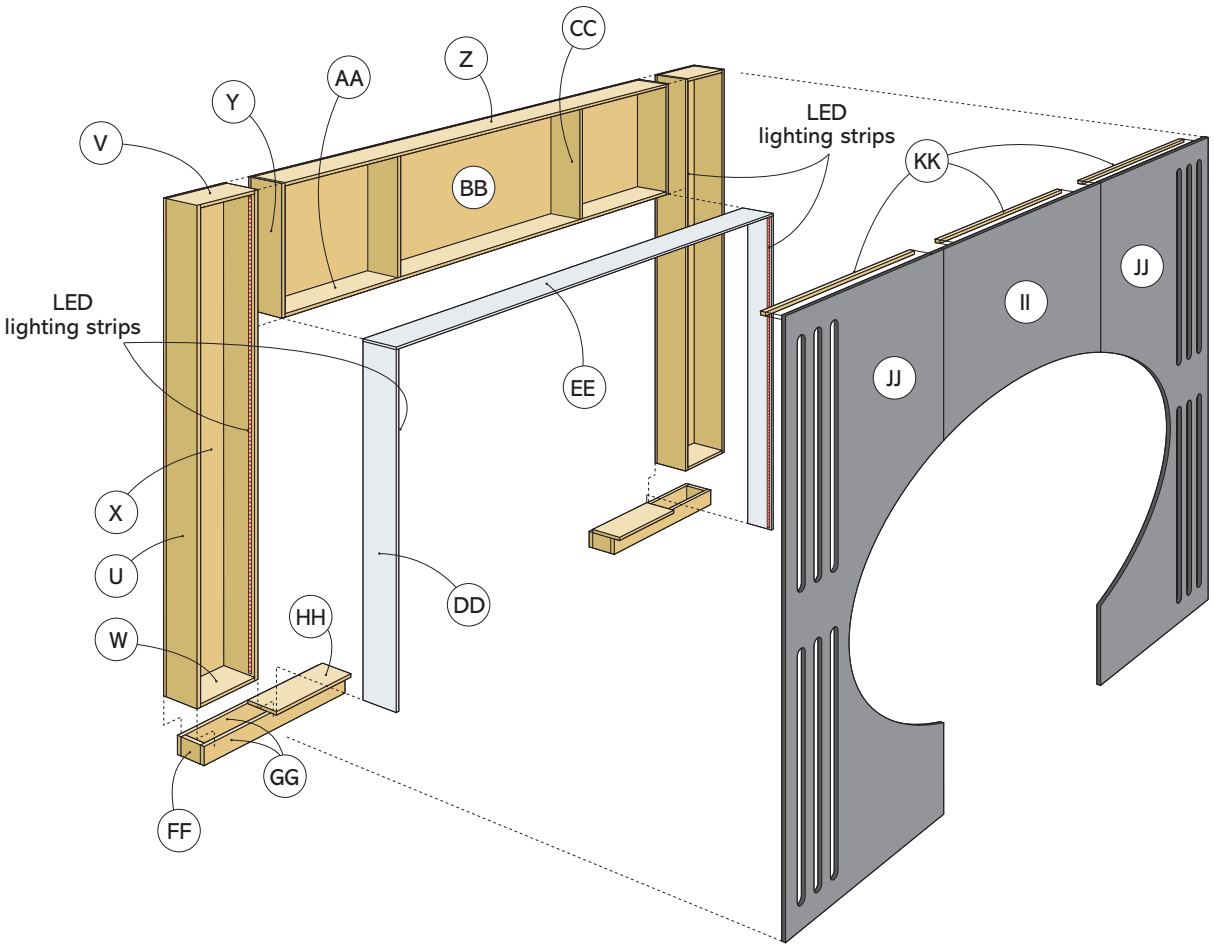
STEP 25 Hammer nails into points marked in Step 24 and the point on perpendicular line marked in Step 23.
STEP 26 Run ribbon or string around 3 nails, pull tight and tie ends together. Remove nail on perpendicular line.
STEP 27 Place marker pen on inside of ribbon and pull it tight against 2 remaining nails. Move marker along ribbon, making sure it is taut, to scribe curve on panel. Continue around ribbon until you are back where you started and have drawn the ellipse. Remove ribbon and nails.
STEP 28 Drill a hole on inside of line for jigsaw blade. Drop blade into hole and run along line to cut out shape.
STEP 29 Sand inside edge of cut to remove saw marks and make smooth.
STEP 30 Run a router or trimmer fitted with a 6.35mm rounding over bit around edge of ellipse to round off edge. Turn panel over and round edges of other side of ellipse.
STEP 31 Using cut-out of this ellipse as a template, mark out for 2 more ellipses with centres 1251mm and 1928mm measured from same end as the first. Repeat steps 28–30 to cut these out and round edges. Also round edges of whole cabinet front panel on face side only.
STEP 32 Attach panel mounting strip (S) to back of cabinet front panel so underside of strip sits 195mm from top edge of panel and is centred over ellipse. This will support panel while it is installed.
STEP 33 Lift cabinet front panel so panel mounting strip sits on top of cabinet. Mark position of wide shelf and glass on front panel. Remove panel and cut a 15mm-deep notch at these points so panel sits around wide shelf and glass. Position panel back on cabinet, make plumb then nail into sides and shelves of cabinet.
STEP 34 The second cabinet front panel is a mirror image of first. Use measurements in Step 22 and a cut-out from first panel to mark position for first ellipse. Then follow Steps 28 to 33 to make a second cabinet front panel and install it on other cabinet.
STEP 35 To create centre front panel (T), follow Steps 22 to 31 to set out and cut an ellipse 500mm high and 800mm long centred on panel. Place panel on centre cabinet so top is in line with adjacent front panels and nail.
STEP 36 Use wood filler to fill nail holes. Sand smooth then spot prime and apply 2 coats of low sheen acrylic in White to filled holes, allowing to dry after each coat.
STEP 37 Mark out hanging positions for your display items so they hang in centre of ellipses. Put screws in cabinet back to hang them.

Diagram for Dark side of the universe



Dark side of the universe

Gather your supplies

Item	Part	Size	Material
U	Light box side (4)	2355 x 150 x 17mm	CD plywood
V	Light box top (2)	270 x 150 x 17mm	CD plywood
W	Light box bottom (2)	270 x 150 x 17mm	CD plywood
X	Light box back	2355 x 304 x 12mm	MDF
Y	Centre box side (2)	655 x 150 x 17mm	CD plywood
Z	Centre box top	2400 x 150 x 17mm	CD plywood
AA	Centre box bottom	2400 x 150 x 17mm	CD plywood
BB	Centre box back	2434 x 655 x 12mm	MDF
CC	Centre box divider (2)	621 x 150 x 17mm	CD plywood
DD	Side cover strip (2)	1680 x 162 x 12mm	MDF
EE	Centre cover strip	162 x 2434 x 12mm	MDF
FF	Base box end (4)	94 x 90 x 18mm	Dressed pine
GG	Base box side (4)	740 x 90 x 18mm	Dressed pine
HH	Base box top (2)	404 x 140 x 18mm	Dressed pine
II	Centre cover panel	2420 (cut down to 820) x 1172 x 12mm	MDF
JJ	Side cover panel (2)	2420 x 965 x 12mm	MDF
KK	Panel mounting strip (3)	20 x 15 x 900mm	CD plywood

You'll also need

Tape measure; power saw with fence attachment; nail gun and nails; drill and various drill bits; 25 and 30mm wood screws; self-adhesive LED light strips (Q); electrical cable clips; jigsaw; clamps; straightedge; sandpaper; router or trimmer fitted with 6.35mm rounding over bit; undercoat; Dulux Wash and Wear Low Sheen Acrylic in Klavier; wood filler

DARK SIDE OF THE UNIVERSE

Here's How

STEP 38 Using power saw with fence attached, cut eight 150mm wide strips of 17mm plywood for all light box cabinets.

STEP 39 Remove fence from saw and cut light box sides (U), top (V) and bottom (W) to length.

STEP 40 With timber on edge, butt light box top into 1 light box side flush with end. Nail together. Repeat with light box bottom at other end of side. Attach a second light box side to open ends of cabinet top and bottom to create a rectangle.

STEP 41 Place light box back (X) on light box assembly and nail through back into sides. Repeat Steps 38-40 to construct a second light box.

STEP 42 Mark out position of light boxes on wall with a 2434mm gap between them. Determine position of wall studs where light boxes will sit by tapping along wall and listening for change in sound. Confirm by drilling a few small test holes. Transfer position of wall studs to back of each light box. Predrill and countersink holes at these points at top and bottom of each light box. If there are no wall studs to secure light boxes, use a number of heavy-duty plasterboard fixings, such as Super Wall-Mate, following product instructions.

STEP 43 Place light box in position and pack off floor 90mm. Make plumb and screw into wall studs or plasterboard fixings. Repeat to attach second light box to wall level with first.

STEP 44 Cut components for centre box (Y–BB) to size and construct in same way as light boxes (see Steps 40–41). Install centre box dividers (CC) centred 630mm from each side of box.

STEP 45 Determine position of wall studs where centre box will sit. Transfer positions to back of box and drill pilot holes (see Step 42). To support centre box during installation, screw temporary blocks to sides of light boxes 655mm from top. Lift centre box onto blocks and make flush with top of light boxes. Screw through back into wall studs and through sides of light boxes into centre box using 30mm wood screws.

STEP 46 Attach side cover strip (DD) to side of light box, screwing through light box into cover strip with 25mm wood screws. Repeat for other light box. Attach centre cover strip (EE) to underside of centre box between side cover strips.

STEP 47 Connect self-adhesive LED lighting strips following product instructions. Remove backing tape and stick to side of light box that centre box is attached to. You will need 2 separate strips of lights to reach full height of light box. Place them flush with front edge of side so they will not be seen. Notch front edge of light box side to allow cables to run out from inside light box. Also run lighting strips on side cover strip flush with front edge. Hold all cables in place with cable clips. Repeat for other light box.

STEP 48 Construct rectangular base box assembly by butting base box ends (FF) into base box sides (GG) and nailing together. Screw base box top (HH) to base box assembly so front and 1 side overhangs assembly by 10mm, leaving 1 end of assembly open. Place open end of base box under light box so front edge of base box top lines up with front edge of light box. Repeat to build another base box in a mirror image of the first to go under other light box.

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With LED lights and moody black walls you'll love this galactic makeover!

STEP 49 Lay centre cover panel (II) and side cover panels (JJ) on ground as they will appear in position. At this stage keep centre cover panel at full length. Use ellipse set-out method in Steps 22–27 to draw an ellipse 2380mm wide and 1380mm high. The centre point of ellipse should be in centre of 3 panels in width and 1425mm from top of panels. Use a jigsaw to cut out shape in all panels. Retain top portion of centre cover panel.

STEP 50 Working from long edge of side cover panel, measure 770mm along bottom edge. Draw a perpendicular line from this point up to ellipse cut-out and cut along this line. Repeat for other side cover panel.

STEP 51 To set out slots on side cover panel, draw a pair of parallel lines 45mm apart along whole panel 65mm in from long edge. Continue with another 2 pairs of lines the same distance apart and with 50mm between each pair.

STEP 52 To mark end points of slots, draw lines perpendicular to pairs of parallel lines 100mm and 1100mm from top and bottom of panel. To round end of slots, draw semicircles at each end using these perpendicular lines as longest point of each slot.

STEP 53 To cut slots, clamp straightedge to panel as a guide for base plate of your power saw, making sure blade is on cutting line. As cut-outs are in middle of sheet, you will need to do a plunge cut with power saw. Line up saw on straightedge, pull back guard on saw, start it, then plunge it down to cut MDF. Run saw along straightedge to cut slot, stopping at ends where semicircle starts. Reposition straightedge and repeat for all other straight cuts in slots. Cut semicircular ends using jigsaw.

STEP 54 Sand inside edges of slots and ellipse cut-out to remove saw marks. Use router or trimmer fitted with a 6.35mm rounding over bit to round off edges of all cuts. Turn panel over to round both edges of slots and ellipse cut-outs. Round edges of whole panel on face side only. On centre cover panel, round face side of all edges and both sides of curved ellipse cut.

STEP 55 Remove all dust then undercoat faces of side cover panels and centre cover panel with acrylic undercoat. Allow to dry then apply 2 coats of low sheen acrylic in Klavier, allowing to dry after each coat.

STEP 56 Attach panel mounting strip (KK) to back of side cover panel so underside of strip sits 30mm from top edge of panel. This will support panel as it is being installed. Repeat for other side cover panel and centre cover panel.

STEP 57 Lift side cover panel onto light box and centre box so panel mounting strip rests on top of boxes. Make plumb then nail into light box and centre box. Repeat to attach other side cover panel.

STEP 58 Lift centre cover panel in position on centre box panel. Nail through panel into centre box.

STEP 59 Use wood filler to fill nail holes. Sand smooth then spot prime and apply 2 top coats to filled holes, allowing to dry after each coat.

STOCKISTS

17mm CD plywood, $65/sheet; 2400 x 1200 x 12mm MDF sheet; 90 x 18mm dressed pine, $28.44/2.4m; 140 x 18mm dressed pine, $11.52 x 1.8m; 25mm wood screws, $6.40/50pk; 30mm wood screws, $8.85/50pk; 1200 x 350mm mirror, $22; clear silicone, $4.98/300g tube; 36mm double-sided tape, $6.29/roll; Arlec multi-coloured self-adhesive LED lightstrip, $39 each; 6mm cable clips, $2.19/20pk; Whites spray paint, $7.45/can; Everton 1200 x 300mm glass fence panel, $30, **Bunnings (03) 8831 9777, bunnings.com.au** Power tools, **Bosch Australia 1300 307 044, bosch.com.au** 1 Step Primer Sealer Undercoat, $66.90/4L; Wash and Wear Low Sheen Acrylic in Klavier and White, $82.90/4L, **Dulux 13 25 25, dulux.com.au**

PROJECT PRICES ARE APPROXIMATE AND INTENDED AS A GUIDE ONLY

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