

PX43-4DMX Series

4-Colour Compact Fountain Light with Standard On-Board DMX512 Interface



- High power compact spotlight
- Ideal for highlighting fountain jets (IP68)
- 4-Colour (RGB&CW) integrated LED
- On-board DMX interface
- Individually addressable
- Low voltage, high efficiency
- Robust corrosion-resistant construction



Description

Compact LED fountain light constructed from a 3-piece, precision-machined, Stainless Steel Grade 316 housing, fitted with 1 x CREE "MC-E" series RGBCW LED, medium angle frosted output optic and a clear glass lens. Each LED unit is pre-wired with a custom tail and 8-pin IP-rated male connector - for connection to "Wiring Looms". These luminaires are *wired in parallel* for ease of installation. The fitting is designed for mounting into a plate or grating - to facilitate this, the upper body has a machined M34 x 1.5mm thread. *Each LED luminaire can be factory-programmed with its own DMX address. See also drg. nos 24393 & 24394 for further details.*

Characteristics

Optical	Electrical details	Mechanical																				
<p>Number of LEDs = 1 x High Power CREE "MC-E" LED</p> <p>Illuminated Area = \varnothing25mm</p> <p>Viewing Angle = 30° inclusive (Carclo optic)</p> <p>LED Data:</p> <table border="1"> <thead> <tr> <th>Colour</th> <th>nm/CCT</th> <th>Output(lm)</th> <th>CRI</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>625nm</td> <td>24lm</td> <td>-</td> </tr> <tr> <td>Green</td> <td>527nm</td> <td>52lm</td> <td>-</td> </tr> <tr> <td>Blue</td> <td>457nm</td> <td>6lm</td> <td>-</td> </tr> <tr> <td>Cool White</td> <td>6300K</td> <td>78lm</td> <td>75 typ.</td> </tr> </tbody> </table> <p><i>Note: Lumen output shown has been adjusted to account for 78% optic efficiency.</i></p>	Colour	nm/CCT	Output(lm)	CRI	Red	625nm	24lm	-	Green	527nm	52lm	-	Blue	457nm	6lm	-	Cool White	6300K	78lm	75 typ.	<p>Operating Voltage = 21 - 24VDC (24VDC typ.)</p> <p>Typical Current:</p> <p>1) LED Current = 350mA max. per colour</p> <p>2) Luminaire Current = 205mA max. total</p> <p>Power Consumption = 5.0W max.</p> <p><i>Above data for P661 & P661LED PCBs</i></p> <p>Termination = custom tail with 8 pin "Souriau" male connector.</p> <p>Luminaire Classification = Class III (In accordance with BS EN 60598-1:2008)</p>	<p>Bezel O.D. = \varnothing43mm</p> <p>Body O.D. = \varnothing31.9mm</p> <p>Rear Depth = 103mm</p> <p>Lens = 6mm Toughened Glass</p> <p>Mounting Thread = M34 x 1.5mm</p> <p>IP Rating = IP68</p> <p>Product Weight = 0.35kg</p>
Colour	nm/CCT	Output(lm)	CRI																			
Red	625nm	24lm	-																			
Green	527nm	52lm	-																			
Blue	457nm	6lm	-																			
Cool White	6300K	78lm	75 typ.																			

Selection Guide

PX43-	S-	RGBCW-	MFO-	4DMX-	24
Product series	Housing	Colour	Optic Type	On-Board Interface	Voltage
PX = LED Fountain Light 43 = Front Bezel Diameter	S = Stainless Steel Grade 316	RGBCW= Colour Mix (RGBCW Colour Change)	MFO = Medium Angle	4DMX = 4 Channel DMX Interface	24 = Operating Range 21 -24VDC

Example **PX43-S-RGBCW-MFO-4DMX-24** (PX43, St. Steel Bezel, Red, Green, Blue & Cool White Colour Change, Medium Output, On-Board 4 channel DMX, 24VDC)

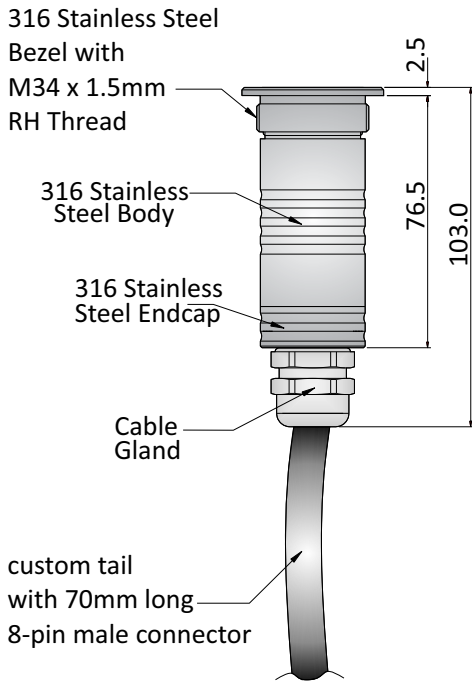
PX43-4DMX Series

4-Colour Compact Fountain Light with Standard On-Board DMX512 Interface

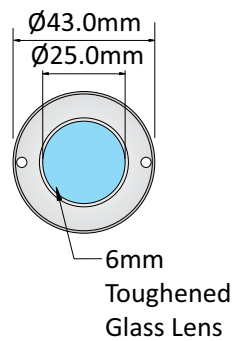


Mechanical Details

Side View



Front View



Connector Details



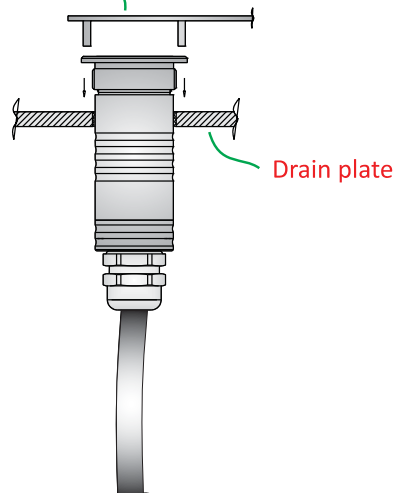
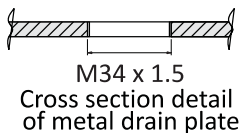
Pin	Core Colour	Function
A	Red	+24VDC
B	Blue	0VDC
C	Brown	DATA +
D	White	DATA -
E	Not Connected	-
F	Not Connected	-
G	Not Connected	-
H	Not Connected	-

Connection Note:

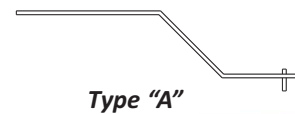
Take care to observe correct orientation when assembling the male & female parts of the "Souriau" connectors on the LED units/wiring looms. Incorrect assembly is likely to cause damage to/failure of the LED unit.

Mounting Details

'C'-spanner for tightening.
(N.B. retention can be augmented with a bead of clear silicone applied to the thread of either part, prior to insertion. This will add strength whilst allowing for later dismantling - if required.)



Installation Tools:



The appearance and specifications of the product may be modified for improvement without notice. All dimensions in mm.