



**LED
Data Sheet**

**Print/
Download
FULL
Data Sheet**

**Back
One**
**Page
One**

**Range
Overview**
All Models



DOT LED

DOT 9100SMP LED
PERFORMANCE SERIES

PERFORMANCE

DOT 9100SM Series

120mm dia. o/a
250mA-500mA

CREE CXB

CRI: ≥ 80
R₉ Value: ≥ 15

MacAdam **2**

Beam cut-off angle

45°



REFLECTOR

/8

Wide Beam
- 70° Beam Angle

Round trim white ASM920/01 fitted to downlight as standard.

Silver Reflector – Wide angle beam		
Total Energy Consumption P _L (W) – Refer LED Performance Guide below		
Weights	Luminaire Body	700 gms
	Remote Driver	100 gms
IEC 60598.1.2		Complies
AS/NZS60598.1.2		Complies
IP Rating		Refer Accessory

Standard Dimming Options Available

- DALI dimming	DALI
- Phase cutting (chopping) dimming	PHD

ORDERING CODE FORMAT

Example: DOT 91 3 8 SM P /30 /PHD /ASM920

Model Series Number (01) ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑

Driver Code (2: 250mA, 3: 350mA)
 Beam Angle (8-Wide)
 Downlight Type (SM-Surface Mounted)
 Series Code (P: Performance)
 LED engine colour (30-830 or 40-840)
 Dimming option if required (/AD, /DALI or /PHD)
 Accessory Code

LED GUIDE – DOT 9100SMP PERFORMANCE SERIES

DOT Model No. /30 : 3000k /40 : 4000k	Driver current (mA)	Wattage (W)	Luminaire Output Lumens ^B	Luminaire efficacy (lm/W output)	Lifetime LED engine (Hours @ L90)
DOT 9128SMP/30 ^A	250mA (2)	9.8	1103	112.5	≥75,000
DOT 9128SMP/40	250mA (2)	9.8	1185	121.0	≥75,000
DOT 9138SMP/30 ^A	350mA (3)	13.9	1518	109.2	≥75,000
DOT 9138SMP/40	350mA (3)	13.9	1624	117.0	≥75,000
DOT 9168SMP/30 ^A	500mA (5)	20.3	2051	101.0	≥75,000
DOT 9168SMP/40	500mA (5)	20.3	2194	108.0	≥75,000

^A Figures extrapolated / interpolated from data at other currents.

^B Output Lumens : Delivered lumen output from downlight, including thermal, electrical and optic losses.

NOTE See following pages for Accessories and Photometric Data



© DOT Downlights • 17/07/24

www.dotdownlights.com

DOT **9100SM** SERIES
 SURFACE MOUNTED DOWNLIGHTS



Accessories

AXLOCK ACCESSORIES
 Fitted to downlight *after* installation

Accessory trims available
 White /01 or Silver /55 or Black /11



	ASM920 Round Ceiling Plate IP20 Moulded polycarbonate – 105mm dia. overall		XLSM920 Round Ceiling Plate w/high light IP20 Moulded polycarbonate – 105mm dia. overall
	ASM921-CL Round Flush Clear Lens IP64 Moulded polycarbonate – 105mm dia. overall		XLSM921-CL Round Flush Clear Lens w/high light IP64 Moulded polycarbonate – 105mm dia. overall
	ASM921-DL Round Soft Diffusion Lens IP64 Moulded polycarbonate – 105mm dia. overall		XLSM921-DL Round Soft Diffusion Lens w/high light IP64 Moulded polycarbonate – 105mm dia. overall
	ASM923 Round Washlite Lens IP64 Moulded polycarbonate – 105mm dia. overall		XLSM923 Round Washlite Lens w/high light IP64 Moulded polycarbonate – 105mm dia. overall

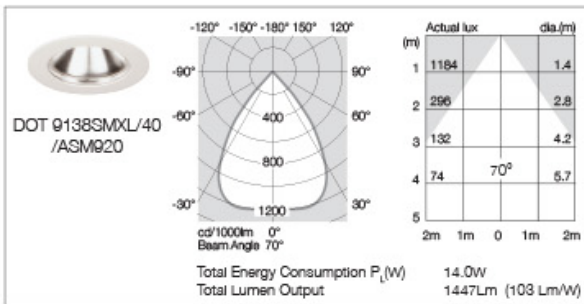
DOT **9100SM**SERIES
SURFACE MOUNTED DOWNLIGHTS



Photometrics

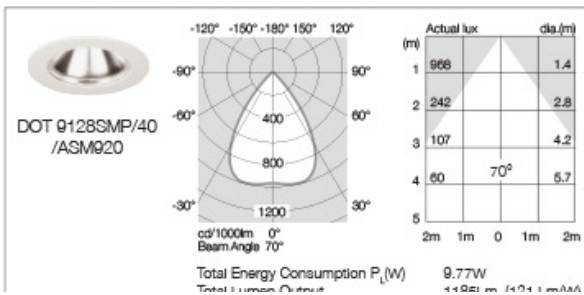
DOT **9100SMXL** LED
EXCEL SERIES

360 mA
CREE CXB
LED

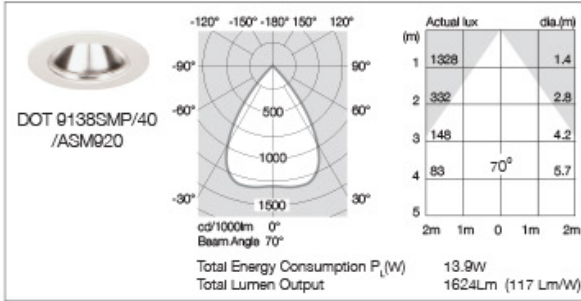


DOT **9100SMP** LED
PERFORMANCE SERIES

260 mA
CREE CXB
LED



350 mA
CREE CXB
LED



500 mA
CREE CXB
LED

