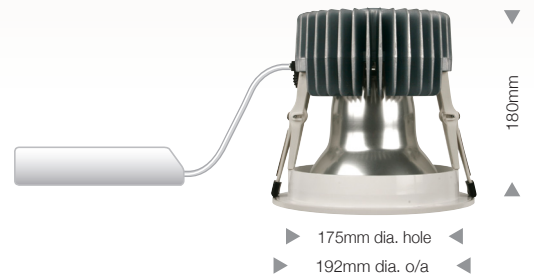


DOT 9900XL LED EXCEL SERIES



CREE CXA

CRI Value: ≥ 90
R_g Value: ≥ 55
MacAdam: 2



MODELS (Reflector Options)

Narrow Beam – 29° Beam Angle



/4

Wide Beam – 55° Beam Angle



/8

OPTION

Narrow Beam Dust Proof Optical Assembly (Factory Fitted)

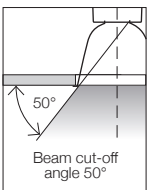


IP6X above ceiling, IP65 below ceiling
/4-IP

Wide Beam Dust Proof Optical Assembly (Factory Fitted)



IP6X above ceiling, IP65 below ceiling
/8-IP



White Ceiling Plate XL50/01 fitted to downlight as standard.

Total Energy Consumption P_L(W) – Refer LED Performance Guide

Weights	Luminaire Body	1400 gms
	Remote Driver	280 gms
IEC 60598 - parts 1 and 2		Complies
AS/NZS60598 - parts 1 and 2		Complies
Cyanosis (Australia only)		4000k option approved
IP Rating		Refer Accessory

Dimming Options Available

- Analogue dimming 1-10 volt, 350mA to 1050mA	AD
- DALI / switchDIM / DSI dimming, 250mA to 1750mA	DALI
- Phase cutting (chopping) dimming, 350mA to 700mA	PHD

ORDERING CODE FORMAT

Example: DOT	99	3	8	XL	/IP6X	/40	/DALI	/A50
Model Series Number (99)	↑	↑	↑	↑	↑	↑	↑	↑
Driver Code (see table below*)		↑	↑	↑	↑	↑	↑	↑
Beam Angle (4-Narrow or 8-Wide)			↑	↑	↑	↑	↑	↑
Excel Series				↑	↑	↑	↑	↑
IP6X Option (if required)					↑	↑	↑	↑
LED engine colour (/30-930 or /40-940)						↑	↑	↑
Dimming option if required (/AD, /DALI or /PHD)							↑	↑
Accessory Code								↑

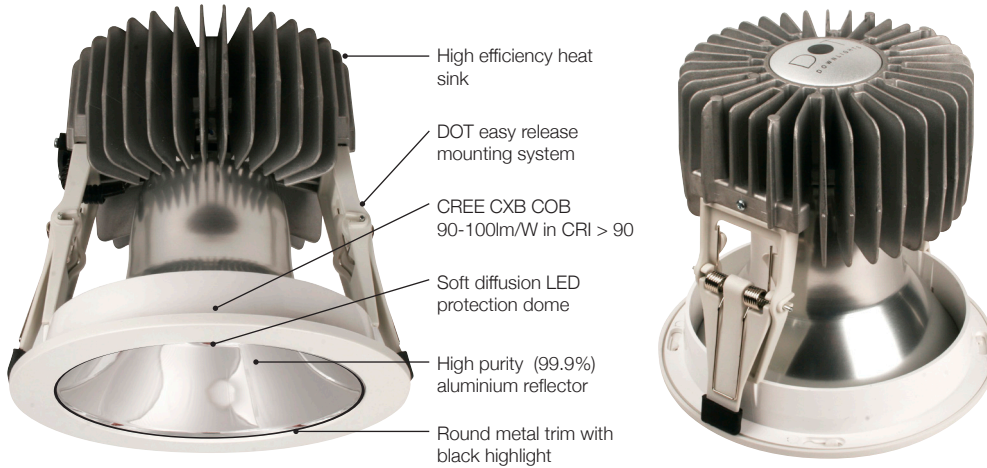
LED GUIDE – DOT 9900XL EXCEL SERIES (Wide Beam Option)

DOT Model No. /30 : 3000k /40 : 4000k	Driver Ordering Code	Driver current (mA)	CRI (Ra)	Wattage (W)	Luminaire Output Lumens B	Luminaire efficacy (lm/W output)	Lifetime – LED engine (Hours @ L90)
DOT 9938XL/30 A	3	350mA	93	13.5	1200	88.9	>100,000
DOT 9938XL/40 A	3	350mA	90	13.5	1379	102.1	>100,000
DOT 9958XL/30 A	5	500mA	93	19.0	1666	87.7	>100,000
DOT 9958XL/40	5	500mA	90	19.0	1915	100.8	>100,000
DOT 9978XL/30 A	7	700mA	93	27.1	2284	84.3	>100,000
DOT 9978XL/40 A	7	700mA	90	27.1	2625	96.9	>100,000
DOT 9998XL/30 A	9	900mA	93	33.6	2930	87.2	>100,000
DOT 9998XL/40 A	9	900mA	90	33.6	3369	100.2	>100,000
DOT 99108XL/30 A	10	1050mA	93	38.9	3272	84.1	>100,000
DOT 99108XL/40 A	10	1050mA	90	38.9	3761	96.7	>100,000
DOT 99148XL/30 A	14	1400mA	93	53.5	4261	79.6	>100,000
DOT 99148XL/40 A	14	1400mA	90	53.5	4898	91.6	>100,000
DOT 99178XL/30 A	17	1750mA	93	68.1	4934	72.5	>100,000
DOT 99178XL/40 A	17	1750mA	90	68.1	5671	83.3	>100,000

A Figures extrapolated / interpolated from data at other currents.

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





High efficiency heat sink
DOT easy release mounting system
CREE CXB COB 90-100lm/W in CRI > 90
Soft diffusion LED protection dome
High purity (99.9%) aluminium reflector
Round metal trim with black highlight

AXLOCK ACCESSORIES Fitted to downlight after installation. Accessory trims available White /01 or Silver /55.

<p>Round Ceiling Plate IP20</p> <p>A50</p>	<p>Square Ceiling Plate IP20</p> <p>A58</p>	<p>Round Ceiling Plate w/highlight IP20</p> <p>XL50</p>	<p>Round Clear Lens w/highlight IP54</p> <p>XL52-CL</p>
<p>Round Clear Lens IP54</p> <p>A52-CL</p>	<p>Round Soft Diffusion Lens IP54</p> <p>A52-DL</p>	<p>Round Flush Glass IP54</p> <p>A12-FG</p>	<p>Round Dropped Glass IP20</p> <p>A12-DG</p>
<p>Square Clear Lens IP54</p> <p>A53-CL</p>	<p>Square Soft Diffusion Lens IP54</p> <p>A53-DL</p>	<p>Square Flush Glass IP54</p> <p>A59-FG</p>	

SECURED ACCESS ACCESSORIES Fitted to downlight before installation. Accessory trims available White /01 or Silver /55.

<p>Round Clear Lens IP54</p> <p>A52-CL/SA</p>	<p>Round Soft Diffusion Lens IP54</p> <p>A52-DL/SA</p>	<p>Vandal Proof Secured Access IK 10</p> <p>A81</p>
<p>Square Clear Lens IP54</p> <p>A53-CL/SA</p>	<p>Square Soft Diffusion Lens IP54</p> <p>A53-DL/SA</p>	<p>TORX tamperproof fasteners</p>

PROJECT SPECIFIC OPTIONS – Factory fitted

<p>Round Adaption Plate IP20</p> <p>165mm ID / 265mm OD For maximum: – 245mm dia. hole</p> <p>A9900 RAP</p>	<p>Emergency</p> <p>Self contained emergency unit – 3 hours. Features inverter and battery pack >800 lumens output in emergency mode. Available with most models.</p> <p>EM</p>
<p>Seismic Restraint</p> <p>Optional on all downlight models.</p> <p>Ordering Code: /SR (required length) eg. /SR 400mm</p>	



500 mA
CREE CXB
LED

