DIMON
TECHNOLOGY

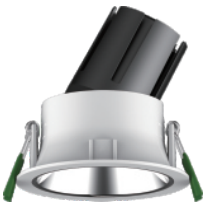
Technical Datasheet

DAVIS

9W-41W IP44

Fixed Type

Adjustable Type



Wallwasher Type

- LED MODULE Housing: die-cast aluminium with optical Lens
- Anti-glare Polycarbonate reflector Deep recessed design achieves super eye comfort.
- LED module: CREE COB
- Remoted-Type 1-10V, DALI,control gear.
- IP44 Protection

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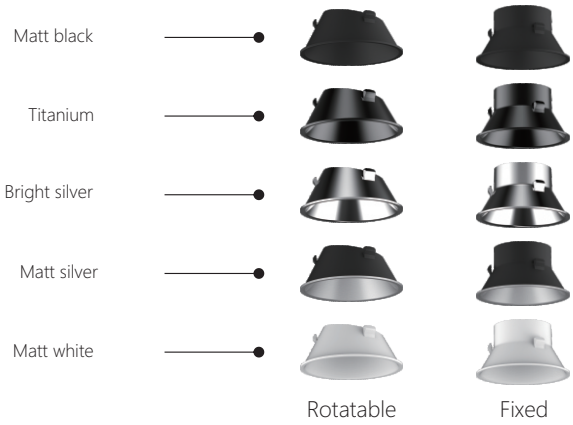
LED MODULE SYSTEM



IP44 LED MODULE-DAVIS-9W Max

IP44 LED MODULE-DAVIS-15W Max

LED MODULE-DAVIS-24W Max

LED MODULE-DAVIS-32W Max

LED MODULE-DAVIS-41W Max

DAVIS
9W-41W IP44

DIMON TECHNOLOGY

Technical Data

Luminaire Type-安裝方式 Tipo de luminaria	Recessed Mount Type ：Tilted-Angle- Type (30° tilt and 355° rotation) , Fixed Type, Wallwasher Type 嵌入式筒燈 ： 可調角度類型（上下調角30° 和355° 旋轉），固定類型，洗牆燈類型 Tipo de montaje empotrado: tipo de ángulo inclinado (inclinación de 30 ° y rotación de 355 °), tipo fijo
Dimension-尺寸-Dimensión / mm Cut off Dimension-開孔尺寸-Cortar Dimensión / mm	Round Fixed Type • Dai 88 x H: 77mm cut off: 75mm Dia 88 x H: 100mm cut off: 75mm • Dai 85 x H: 90mm cut off: 75mm Dia 85 x H: 113mm cut off: 95mm • Dia 102 x H:131mm cut off :90mm Dia 110 x H:146mm cut off :100mm • Dia 124 x H:158mm cut off :110mm Dia 138 x H:178mm cut off :125mm • Dia 165 x H: 20mm cut off :150mm Round Wallwasher • Dai 88 x H: 80mm cut off: 75mm Dia 88 x H: 101mm cut off: 75mm Square Type • W: 88x L88x H: 76mm Cut off : 75x75mm W: 88x L88x H: 99mm Cut off : 75x75mm Square Wallwasher • W: 88x L88x H:80mm Cut off : 75x75mm W: 88x L88x H: 101mm Cut off : 75x75mm Round Adjustable Type- (30° tilt and 355° rotation) • Dai 108 x H: 86mm cut off: 95mm Dia 108 x H: 109mm cut off: 95mm • Dia 125 x H:137mm cut off :100mm Dia 145x H:164mm cut off :130mm
Input Voltage-輸入電壓-Voltaje de entrada	AC220-240V 50/60HZ
Power Consumption Max with LED Module LED 模組燈具功率 Consumo de energía Max	• 6W@Dai 85 x H: 90mm @ Dai 108 x H: 86mm • 6W @ Dai 88 x H: 77mm @Dai 88 x H: 80mm @W: 88x L88x H:80mm @ W: 88x L88x H:80mm • 9W @Dai 85 x H: 90mm @ Dai 108 x H: 86mm • 9W @ Dai 88 x H: 77mm @Dai 88 x H: 80mm @W: 88x L88x H:80mm @ W: 88x L88x H:80mm • 12W @Dia 85 x H: 113mm @ Dia 108 x H: 109mm • 12W @Dia 88 x H: 100mm @ Dia 88 x H: 101mm @ W: 88x L88x H: 99mm @W: 88x L88x H: 101mm • 15W @ @Dia 85 x H: 113mm @ Dia 108 x H: 109mm • 15W @Dia 88 x H: 100mm @ Dia 88 x H: 101mm @ W: 88x L88x H: 99mm @W: 88x L88x H: 101mm • 18W @Dia 102 x H:131mm @ Dia 110 x H:146m @ Dia 125 x H:137mm • 24W @Dia 102 x H:131mm @ Dia 110 x H:146m @ Dia 125 x H:137mm • 28W @ Dia 124 x H:158mm @ Dia 138 x H:178mm @ Dia 145x H:164mm • 32W @ Dia 124 x H:158mm @ Dia 138 x H:178mm @ Dia 145x H:164mm • 35W @Dia 165 x H: 20mm cut off :150mm • 41W@ Dia 165 x H: 20mm cut off :150mm
LED Driver Type LED驅動款式 Tipo de controlador LED	Remote-type LED Driver--Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch 2. 1-10V Dimming Driver 3. Dali Dimming Driver(0%-100%)
LED Driver Features Constant Current LED Driver: 驅動特性–恆流LED驅動器 Funciones del controlador de LED	POWER FACTOR : PF>0.90 or PF:>0.95 TOTAL HARMONIC DISTORTION: THD< 20% Constant Current LED Driver: Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED
Control Protocol-控制協議Protocolo de Control	1-10V / Dali
Beam Angle 光束角 /ángulo de haz	15° / 20° / 24° / 30°/ 38° / 55°
Light Source Brand-光源品牌-Fuente de luz de marca	CREE
"Lumen Maintenance LM-80 Reported by TM-21"@ 25℃	L90(10k) = 50,000 hrs / L80(10k) > 60,000 hrs / L70(10k) > 60,000 hrs
LED Life-LED壽命-La vida del LED	>60,000 hours
Color Temperature -色溫 Temperatura del color	2700K / 3000K / 4000K / 5000K / 6000K/ 6500K
Color Rendering Index-顯色指數 Índice de reproducción cromática	> 80 > 90
Chromaticity Tolerance (initial Macadam) 色度容差（初始Macadam） Tolerancia de cromaticidad (Macadam inicial)	Standard Deviation Colour Matching < 3 SDCM 標準偏差配色< 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM
Luminaire Efficacy燈具效率 La eficacia de la luminaria	95 Lm/w(2700K), 95 Lm/w(3000K), 100 Lm/w(4000K), 110Lm/w(5000K), 110 Lm/w(6000K), 110Lm/w(6500K),
LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia	120 Lm/w(2700K), 120 Lm/w(3000K), 130 Lm/w(4000K), 140 Lm/w(5000K), 140 Lm/w(6000K), 140 Lm/w(6500K),
Housing materials-外殼材料 Materiales de la carcasa	Die-cast aluminum and Polycarbonate Reflector with PMMA Lens Diffuser 壓鑄鋁與PMMA鏡頭 和PC擴散器 Reflector de aluminio fundido a presión y policarbonato con difusor de lente PMMA
Reflector反光杯Reflector	Matt black / Bright Black / Bright silver / Matt silver / Matt white 啞黑/亮黑/亮銀/啞銀/啞白 Negro mate / Negro brillante / Plata brillante / Plata mate / Blanco mate
Trim Color-框邊顏色-Estilo Color	Matte white / Matte black 啞光白色 / 啞光黑色 Blanco mate / Matte black
Anti-Glare Accessories 防眩光配件 Accesorios antideslumbrantes	Honeycomb 蜂窩罩 Panal Beam Soft Lens 布紋片 Lente suave haz
Ingress Protection-防護等級 Protección de ingreso	IP44
Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcion amiento	-30 ℃ To +50 ℃
Operating Humidity -工作濕度 Humedad de funcionamiento	0~90%, non-condensing-不結霜 sin condensación
Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba	LED Luminaires: IEC/EN60598-1 ; EN60598-2-1 ;IEC/EN 62031 ;IEC/EN 62493;IEC TR62778 ; IEC62471; RoHS LED Driver: EN 55015 / EN 61000-3-2 / EN 61347-1 / EN 61347-2-13 / EN 61547 / EN 62384
Certification-認證-Certificación	UK DESIGN IP44 0-10V ZigBee DMX DALI

Project	Fixture#	Date
		Firm

DIMON TECHNOLOGY

Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

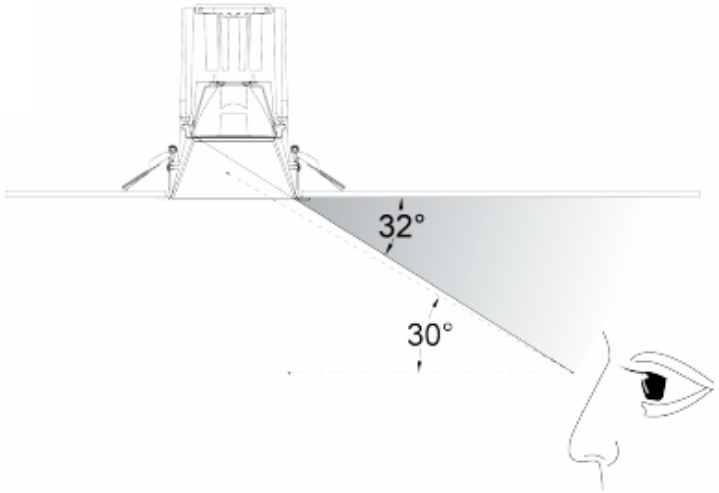
Example product code: DAVIS-9W

DAVIS- - ____

Power Consumption

Power Consumption	
Code	Description
6W	6W@Dai 85 x H: 90mm @ Dai 108 x H: 86mm
6W	6W @ Dai 88 x H: 77mm @Dai 88 x H: 80mm @W: 88x L88x H:80mm @ W: 88x L88x H:80mm
9W	9W @Dai 85 x H: 90mm @ Dai 108 x H: 86mm
9W	9W @ Dai 88 x H: 77mm @Dai 88 x H: 80mm @W: 88x L88x H:80mm @ W: 88x L88x H:80mm
12W	12W @Dia 85 x H: 113mm @ Dia 108 x H: 109mm
12W	12W @Dia 88 x H: 100mm @ Dia 88 x H: 101mm @ W: 88x L88x H: 99mm @W: 88x L88x H: 101mm
15W	15W @ @Dia 85 x H: 113mm @ Dia 108 x H: 109mm
15W	15W @Dia 88 x H: 100mm @ Dia 88 x H: 101mm @ W: 88x L88x H: 99mm @W: 88x L88x H: 101mm
18W	18W @Dia 102 x H:131mm @ Dia 110 x H:146m @ Dia 125 x H:137mm
24W	24W @Dia 102 x H:131mm @ Dia 110 x H:146m @ Dia 125 x H:137mm
28W	28W @ Dia 124 x H:158mm @ Dia 138 x H:178mm @ Dia 145x H:164mm
32W	32W @ Dia 124 x H:158mm @ Dia 138 x H:178mm @ Dia 145x H:164mm
35W	35W @Dia 165 x H: 20mm cut off :150mm
41W	41W@ Dia 165 x H: 20mm cut off :150mm

Anti-glare



BEAM ANGLE

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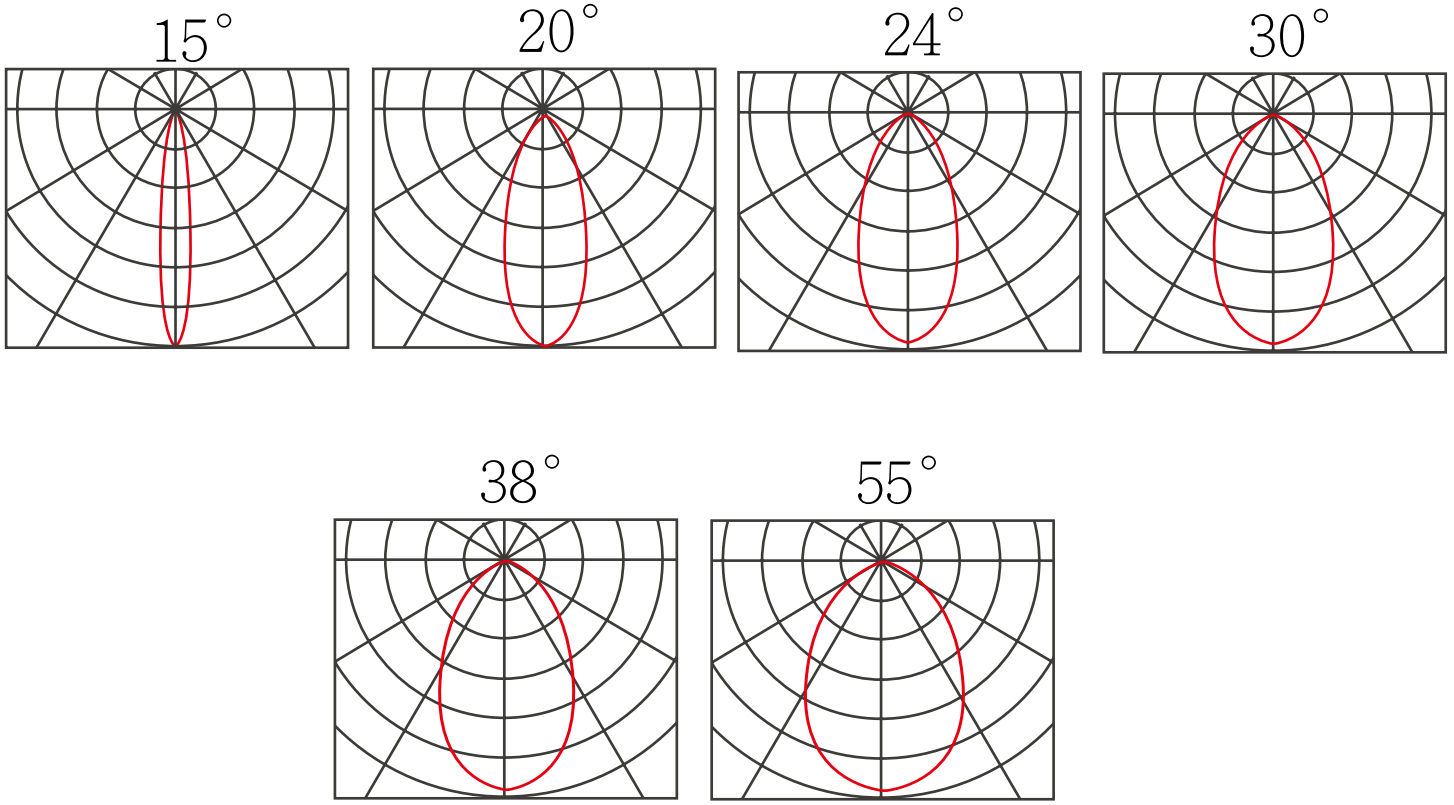
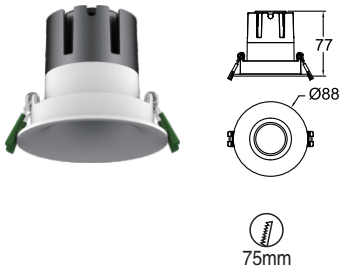


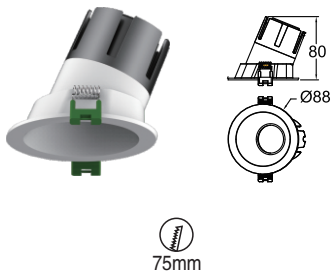
Technical Drawing

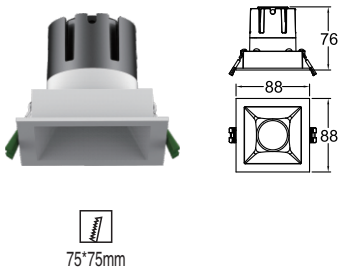
DIMON TECHNOLOGY

6W~9W

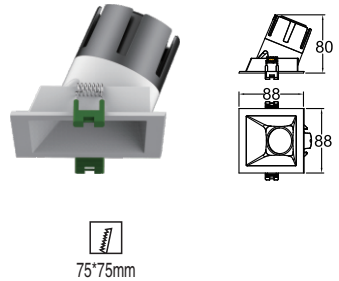


Wallwasher type

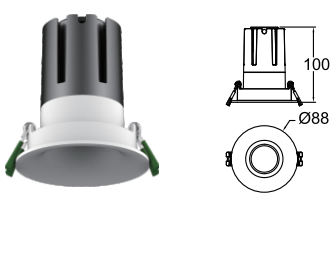


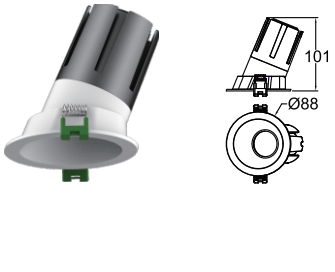


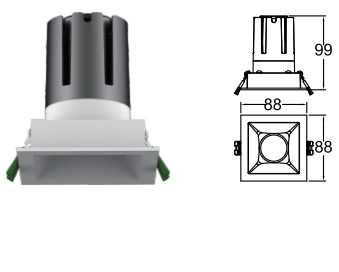
Wallwasher type

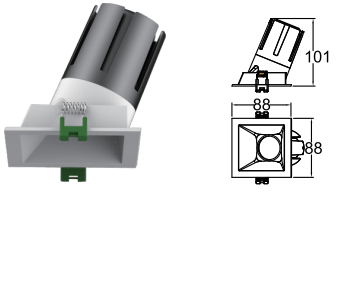


12W~15W

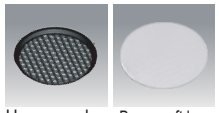








Accessories(

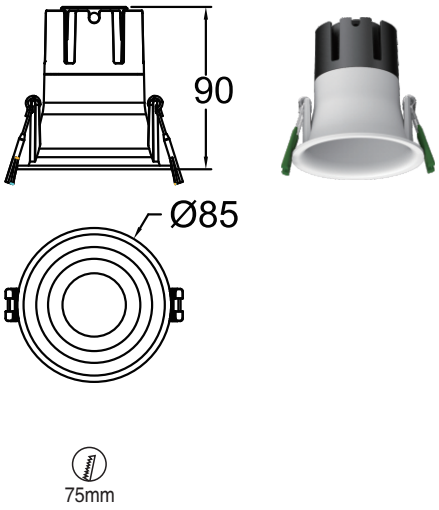

Honeycomb

Beam soft lens

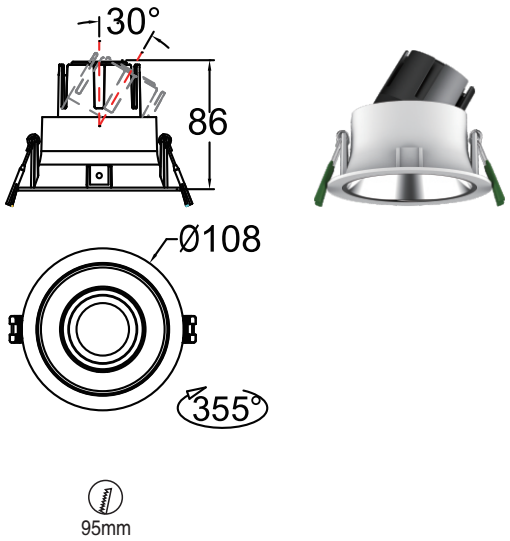
Unit: mm

Technical Drawing

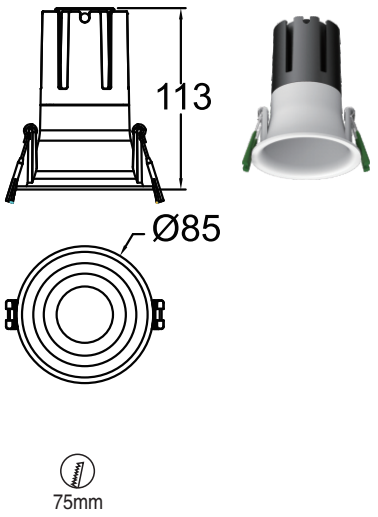
DIMON TECHNOLOGY



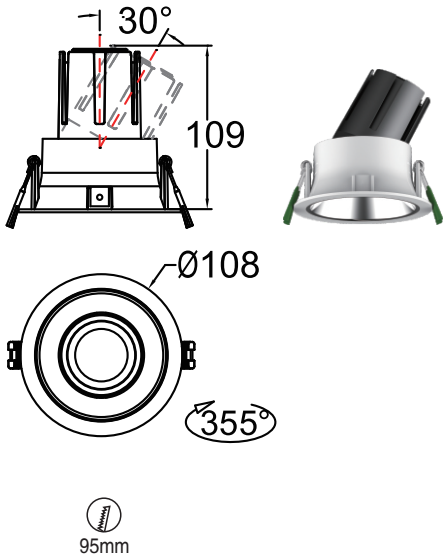
6W~9W



6W~9W



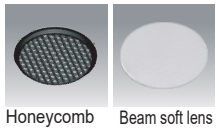
12W~15W



12W~15W

Reflector color

Accessories(

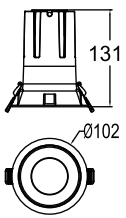


Unit: mm

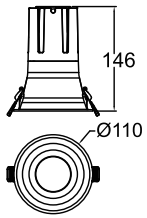
Technical Drawing

DIMON TECHNOLOGY

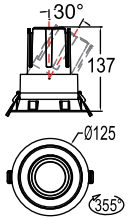
18W~24W



90mm

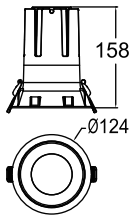


100mm

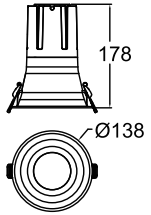


100mm

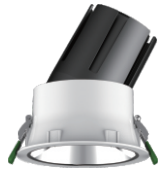
28W~32W

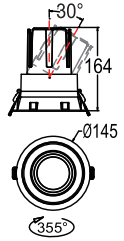


110mm



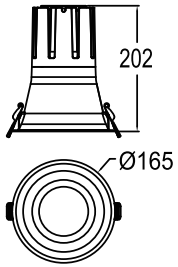
125mm





130mm

35W~41W

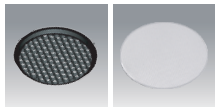


150mm

Reflector color

Matt black Bright Black Bright silver Matt silver Matt white

Accessories(



Honeycomb Beam soft lens

Unit: mm