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LED Downlight System Design and Constructed in New Zealand

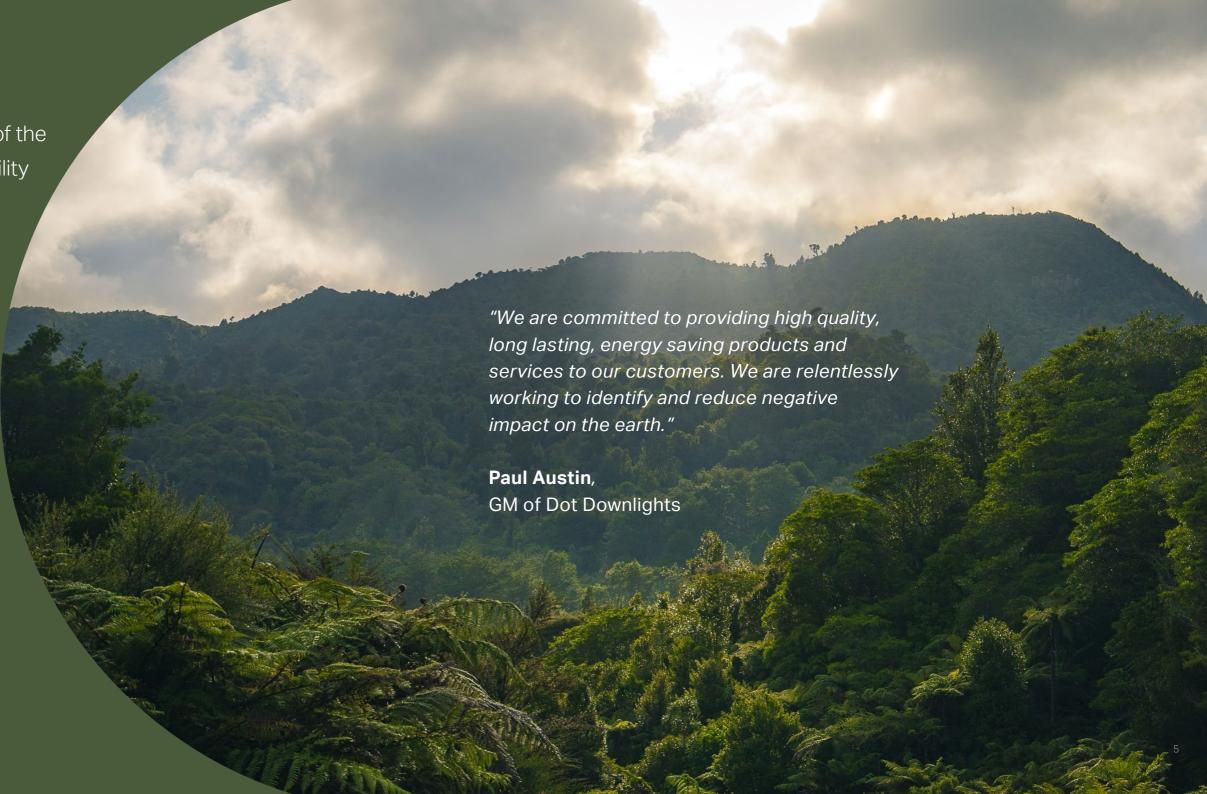


10YEARS

of research and development in LED downlight technology

DOT Downlights, the developer of the Kimbal, recognizes its responsibility to communities and future generations. This has led to the introduction of a product range that has sustainability at its core.

engineered body is either recyclable or reusable and the range has been designed to enable replacement of electronic control gear or LED to uptake future technology and at end of life.



A comprehensive range of chassis options, lumen packages and accessories make it easy to design lighting environments that are elegant, functional and energy efficient.

The Kimbal range represents a commitment to the highest standards through design, development, componentry and production.

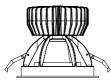


*Downlight without lens is IP6X from below and above ceiling; Downlight with lens installed on site is IP54 from below and IP44 from above ceiling, Downlight with lens installed in factory is IP65 from below and IP44 from above ceiling. ^UGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.

The collection features six distinct lighting solutions; fixed recessed downlights, adjustable recessed downlights, surface mounted downlights, suspended downlights, surface mounted spotlights and track mounted spotlights.



KF6 SERIES FIXED RECESSED DOWNLIGHT









Technical Data

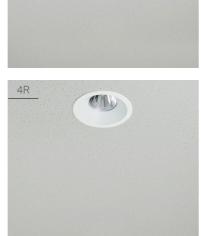
Cut Out 150mm
 Overall 165mm
 Height 148mm
 Suitable ceiling 10-50mm
 Weight - body 250g
 Weight - driver 250g
 Suitable ceiling 10-50mm
 Weight - driver 250g
 LED life @ L90/B10
 AS/NZS60598 - parts 182
 IK10/IP65 anti-ligature accessory available Wall wash option
 Emergency option Adaption plate 150-250mm
 Adaption plate 150-250mm
 K6-RAP/250
 Ultra CRI 97, R9 98 option on request
 Tunable white 2700-6500K option on request
 DALI 8 Tunable White (350-900mA)
 Casambi (350-1050mA)

SERIES	CRI	OUTPUT	REFLECTOR	ССТ	CONTROL	LENS	COLOUR
KF6 Fixed Recessed Downlight	P CRI 80 R9 15 3 SDCM	2 10W 250mA 1300lm 130lm/W (IC-4)	8F Wide Beam 70° Flush Reflector	3 3000K	BLANK Non Dim D1 DALI	BLANK No Lens 70°/30° Beam UGR22, IP6X*	W White
	X CRI 90 R9 55 2 SDCM (Cyanosis	3 14W 350mA 1800lm 129lm/W (IC-4)	8R Wide Beam 70° Recessed Reflector	35 3500K (CRI90 only)	(250-1400mA) D2 DSI (350-1400mA)	C Clear Lens 70°/30° Beam UGR22, IP65*	B Black
	compliant with 4000K)	5 20W 500mA 2500lm 125lm/W (CA90)	4F Narrow Beam 30° Flush Reflector	4 4000K	D3 1-10V (250-1400mA)	D Diffusion Lens 100° Beam UGR22, IP65*	S Special
		7 27W 700mA 3500lm 130m/W (CA90) 9 35W 900mA 4300lm 123lm/W (CA90) 10 40W 1050mA 5000lm 125lm/W (CA90) 14 56W 1400mA 6500lm 116lm/W (Do Not Cover)	4R Narrow Beam 30° Recessed Reflector		D4 Phase Cutting (180-1050mA) D5 O4A: Switch (350-1400mA) D6 Push (250-1400mA) D7 O4A: DALI (350-1400mA)	P Prismatic Lens 55° Beam UGR16 / UGR19^, IP65* R Red Lens 70° / 30° Beam IP65* G Green Lens 70° / 30° Beam IP65* B Blue Lens 70° / 30° Beam	

*Downlight without lens is IP6X from below and above ceiling; Downlight with lens installed on site is IP54 from below and IP44 from above ceiling, Downlight with lens installed in factory is IP65 from below and IP44 from above ceiling. ^UGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.

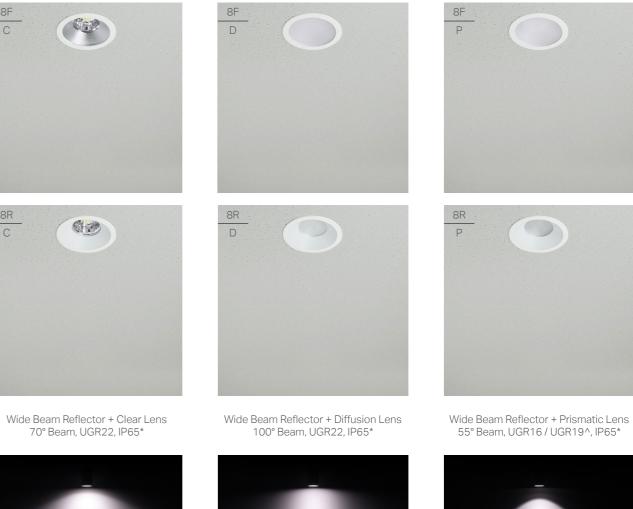
KF6 SERIES Accessories











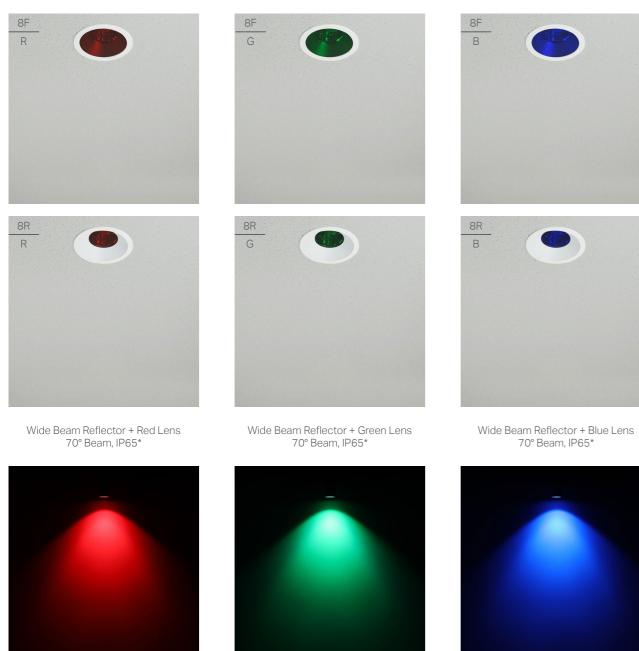








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KA6_{SERIES} ADJUSTABLE RECESSED DOWNLIGHT







Flush Reflector



Technical Data

 Cut Out 	150mm	 Weight - body 	980g
 Overall 	165mm	Weight - driver	250g
 Height 	160mm	 LED life @ L90/B10 	≥75000 Hr

• Suitable ceiling 10-50mm • AS/NZS60598 - parts 1&2 Complies

30° tilt, 355° rotation

Emergency option
 Adaption plate 150-250mm
 K6-RAP/150
 K6-RAP/250
 K6-RAP/250
 K6-RAP/250
 K6-RAP/250
 Casambi (350-1050mA)

• Ultra CRI 97, R9 98 option on request

SERIES	CRI	OUTPUT	REFLECTOR	ССТ	CONTROL	LENS	COLOUR
KA6 Adjustable Recessed Downlight	P CRI 80 R9 15 3 SDCM	2 10W 250mA 1300lm 130lm/W (IC-4)	8F Wide Beam 70° Flush Reflector	3 3000K	BLANK Non Dim	BLANK No Lens 70°/30° Beam UGR22, IP6X*	W White
	X CRI 90 R9 55 2 SDCM (Cyanosis	3 14W 350mA 1800lm 129lm/W (IC-4)	8R Wide Beam 70° Recessed Reflector	35 3500K (CRI90 only)	D1 DALI (250-1400mA)	C Clear Lens 70° / 30° Beam UGR22, IP65*	B Black
	compliant with 4000K)	5 20W 500mA 2500lm 125lm/W (CA90)	4F Narrow Beam 30° Flush Reflector	4 4000K	D2 DSI (350-1400mA)	D Diffusion Lens 100° Beam UGR22, IP65*	S Special
		7 27W 700mA 3500lm 130m/W (CA90) 9 35W 900mA 4300lm 123lm/W (CA90) 10 40W 1050mA 5000lm 125lm/W (CA90)	4R Narrow Beam 30° Recessed Reflector		D3 1-10V (250-1400mA) D4 Phase Cutting (180-1050mA) D5 04A: Switch (350-1400mA) D6 Push	P Prismatic Lens 55° Beam UGR16 / UGR19^, IP65* R Red Lens 70° / 30° Beam IP65* G Green Lens 70° / 30° Beam	
		14 56W 1400mA 6500lm 116lm/W (Do Not Cover)			(250-1400mA) D7 04A: DALI (350-1400mA)	B Blue Lens 70°/30° Beam IP65*	

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KA6series Accessories





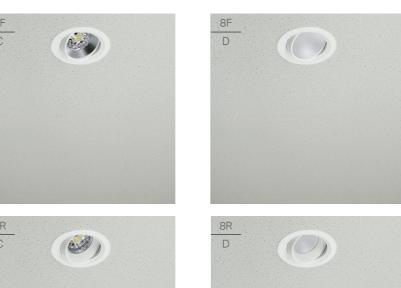




Narrow Beam Reflector









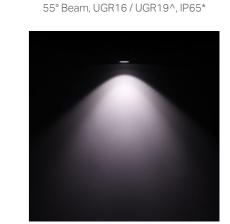




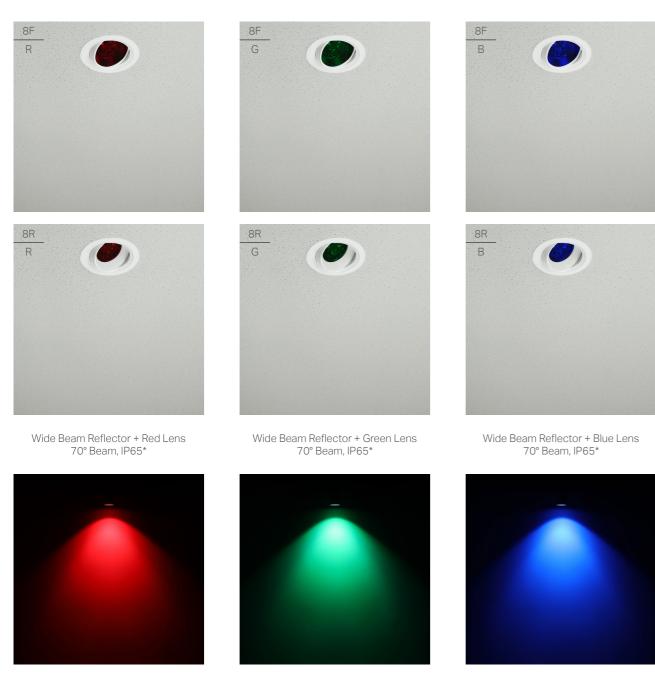




Wide Beam Reflector + Diffusion Lens



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*Downlight without lens is IP6X from below and above ceiling; Downlight with lens installed on site is IP54 from below and IP44 from above ceiling, Downlight with lens installed in factory is IP65 from below and IP44 from above ceiling. AUGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.



KS6_{SERIES} SURFACE MOUNTED DOWNLIGHT







Flush Reflector



Technical Data

Overall 195mm
 Height 160mm
 Weight 1980g
 LED life @ L90/B10 ≥75000 Hrs
 AS/NZ\$60598 - parts 1&2 Complies
 Darklight reflector option
 Full IP65 option available
 Remote emergency option
 Ultra CRI 97, R9 98 option on request

SERIES	CRI	OUTPUT	REFLECTOR	CCT	CONTROL	LENS	COLOUR
KS6 Surface Mounted Downlight	P CRI 80 R9 15 3 SDCM	2 10W 250mA 1300lm 130lm/W	8F Wide Beam 70° Flush Reflector	3 3000K	BLANK Non Dim	BLANK No Lens 70°/30° Beam UGR22, IP54	W White
	X CRI 90 R9 55 2 SDCM (Cyanosis compliant with 4000K)	3 14W 350mA 1800lm 129lm/W	8R Wide Beam 70° Recessed Reflector	35 3500K (CRI90 only)	D1 DALI (250-1400mA)	C Clear Lens 70° / 30° Beam UGR22, IP54	B Black
		5 20W 500mA 2500lm 125lm/W	4F Narrow Beam 30° Flush Reflector	4 4000K	D3 1-10V (250-1400mA)	D Diffusion Lens 100° Beam UGR22, IP54	S Special
		7 27W 700mA 3500lm 130m/W	4R Narrow Beam 30° Recessed Reflector		Phase Cutting (180-1050mA)	P Prismatic Lens 55° Beam UGR16 / UGR19^, IP54	
					D6 Push (250-1400mA)	R Red Lens 70°/30° Beam IP54	
						G Green Lens 70° / 30° Beam IP54	
						B Blue Lens 70°/30° Beam IP54	

^UGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.

KS6series Accessories





















Wide Beam Reflector 70° Beam, UGR22, IP54



Narrow Beam Reflector

Wide Beam Reflector + Clear Lens 70° Beam, UGR22, IP54



Wide Beam Reflector + Diffusion Lens 100° Beam, UGR22, IP54



Wide Beam Reflector + Prismatic Lens 55° Beam, UGR16 / UGR19^, IP54



^UGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.











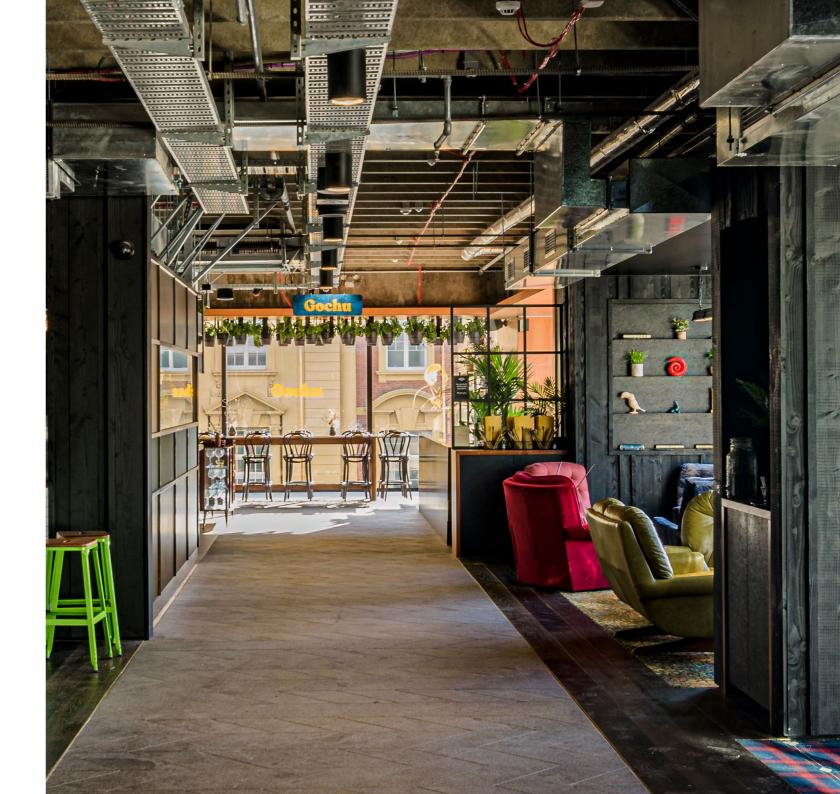




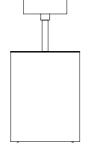








KR6 /KC6 SERIES ROD / CABLE SUSPENDED DOWNLIGHT









Technical Data

• Overall 140mm • Height 195mm • Weight 1980g • LED life @ L90/B10 ≥75000 Hrs • AS/NZS60598 - parts 1&2 Complies • Rod length 1000-3000mm

≥75000 Hrs
Complies

• Cable length 2000mm, can be shortened
• Darklight reflector option
• Full IP65 option available

• Remote emergency option
• Ultra CRI 97, R9 98 option on request
• Adjustable base for angled ceiling up to 15° option on request

SERIES	CRI	OUTPUT	REFLECTOR	ССТ	CONTROL	LENS	COLOUR
KR6 Rod Suspended Downlight	P CRI 80 R9 15 3 SDCM	2 10W 250mA 1300lm 130lm/W	8F Wide Beam 70° Flush Reflector	3 3000K	BLANK Non Dim	BLANK No Lens 70°/30° Beam UGR22, IP54	W White
KC6 Cable Suspended Downlight	X CRI 90 R9 55 2 SDCM (Cyanosis compliant with 4000K)	3 14W 350mA 1800lm 129lm/W	8R Wide Beam 70° Recessed Reflector	35 3500K (CRI90 only)	D1 DALI (250-1400mA)	C Clear Lens 70° / 30° Beam UGR22, IP54	B Black
		5 20W 500mA 2500lm 125lm/W	4F Narrow Beam 30° Flush Reflector	4 4000K	D3 1-10V (250-1400mA)	D Diffusion Lens 100° Beam UGR22, IP54	S Special
		7 27W 700mA 3500lm 130m/W	4R Narrow Beam 30° Recessed Reflector		Phase Cutting (180-1050mA)	P Prismatic Lens 55° Beam UGR16 / UGR19^, IP54	
					D6 Push (250-1400mA)	R Red Lens 70°/30° Beam IP54	
						G Green Lens 70° / 30° Beam IP54	
						B Blue Lens 70° / 30° Beam IP54	

^UGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.

KR6/KC6 Accessories







Wide Beam Reflector





Narrow Beam Reflector 30° Beam, UGR22, IP54











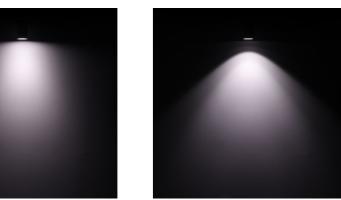








Wide Beam Reflector + Prismatic Lens 55° Beam, UGR16 / UGR19^, IP54



^UGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.





Wide Beam Reflector + Red Lens 70° Beam, IP54







Wide Beam Reflector + Green Lens 70° Beam, IP54







Wide Beam Reflector + Blue Lens 70° Beam, IP54





KSP6 SURFACE SERIES SPOTLIGHT







Flush Reflector



Technical Data

Overall 120mm
 Height 145mm
 Weight 1200g
 LED life @ L90/B10
 AS/NZS60598 - parts 182
 Complies
 Darklight reflector option
 Ultra CRI 97, R9 98 option on request

SERIES	CRI	OUTPUT	REFLECTOR	ССТ	CONTROL	LENS	COLOUR
KSP6 Surface Mounted Spotlight	P CRI 80 R9 15 3 SDCM	2 10W 250mA 1300lm 130lm/W	8FS Wide Beam 70° Flush Reflector	3 3000K	BLANK Non Dim	BLANK No Lens 70°/30° Beam UGR22, IP20	W White
	X CRI 90 R9 55 2 SDCM (Cyanosis	3 14W 350mA 1800lm 129lm/W	8RS Wide Beam 70° Recessed Reflector	35 3500K (CRI90 only)	D1 DALI (250-1400mA)	C Clear Lens 70° / 30° Beam UGR22, IP20	B Black
	compliant with 4000K)	5 20W 500mA 2500lm 125lm/W	4FS Narrow Beam 30° Flush Reflector	4 4000K	D3 1-10V (250-1400mA)	D Diffusion Lens 100° Beam UGR22, IP20	S Special
		7 27W 700mA 3500lm 130m/W	4RS Narrow Beam 30° Recessed Reflector		D4 Phase Cutting (180-1050mA)	P Prismatic Lens 55° Beam UGR16 / UGR19^, IP20	
					D6 Push (250-1400mA)	R Red Lens 70°/30° Beam IP20	
						G Green Lens 70° / 30° Beam IP20	
						B Blue Lens 70° / 30° Beam IP20	

KSP6 SURFACE 8F Accessories

























Narrow Beam Reflector

30° Beam, UGR22, IP20

Wide Beam Reflector + Clear Lens 70° Beam, UGR22, IP20



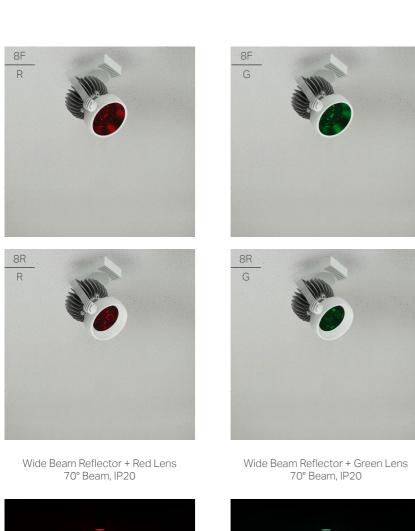
Wide Beam Reflector + Diffusion Lens 100° Beam, UGR22, IP20

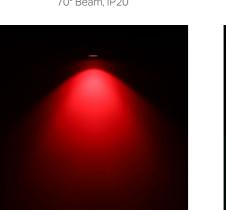


Wide Beam Reflector + Prismatic Lens 55° Beam, UGR16 / UGR19^, IP20



^UGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.













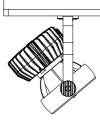








KSP6 TRACK SERIES SPOTLIGHT







Flush Reflector



Technical Data

Overall 120mm
 Height 145mm
 Weight 1200g
 LED life @ L90/B10
 AS/NZS60598 - parts 182
 Complies
 Darklight reflector option
 Ultra CRI 97, R9 98 option on request

SERIES	CRI	OUTPUT	REFLECTOR	ССТ	CONTROL	LENS	COLOUR
KSP6 Track Mounted Spotlight	P CRI 80 R9 15 3 SDCM	2 10W 250mA 1300lm 130lm/W	8FT Wide Beam 70° Flush Reflector	3 3000K	BLANK Non Dim	BLANK No Lens 70° / 30° Beam UGR22, IP6X	W White
	X CRI 90 R9 55 2 SDCM (Cyanosis	3 14W 350mA 1800lm 129lm/W	8RT Wide Beam 70° Recessed Reflector	35 3500K (CRI90 only)	D1 DALI (250-1400mA)	C Clear Lens 70° / 30° Beam UGR22, IP44	B Black
	compliant with 4000K)	5 20W 500mA 2500lm 125lm/W	4FT Narrow Beam 30° Flush Reflector	4 4000K	D3 1-10V (250-1400mA)	D Diffusion Lens 100° Beam UGR22, IP44	S Special
		7 27W 700mA 3500lm 130m/W	4RT Narrow Beam 30° Recessed Reflector		D4 Phase Cutting (180-1050mA)	P Prismatic Lens 55° Beam UGR16 / UGR19^, IP44	
		9 35W 900mA 4300lm 123lm/W (CA90)			D6 Push (250-1400mA)	R Red Lens 70°/30° Beam IP44	
		10 40W 1050mA 5000lm 125lm/W (CA90)				G Green Lens 70°/30° Beam IP44	
						B Blue Lens 70° / 30° Beam IP44	

^UGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.

KSP6 TRACK Accessories



















Wide Beam Reflector + Diffusion Lens

100° Beam, UGR22, IP44

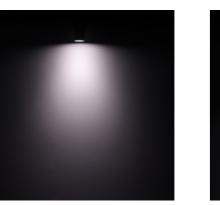


Wide Beam Reflector 70° Beam, UGR22, IP6X



Wide Beam Reflector + Clear Lens 70° Beam, UGR22, IP44

Wide Beam Reflector + Prismatic Lens 55° Beam, UGR16 / UGR19^, IP44





^UGR16 capable with Recessed Reflector and Prismatic Lens, UGR19 capable with Flush Reflector and Prismatic Lens.





















