ALPS MONO

LED SURFACE MOUNTED SPOTLIGHT
TRUE COLOUR CRI 98 | REMOTE DRIVER

DLD ARCHITECTURAL

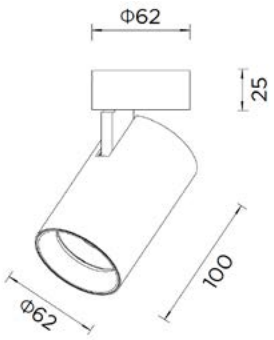
DETAILS

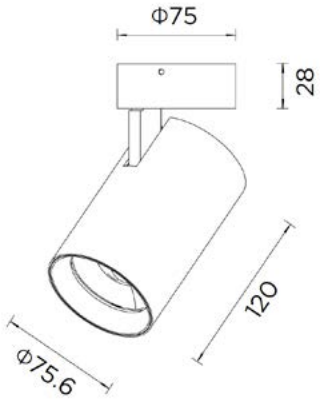
Tilt	0-90°
Rotation	355°
IP Rating	IP20
Class	I
Standards	CE / ROHS
Fire Rated	60+ minutes
Material	Aluminium
Fixation	Surface mounted
Warranty	5 Years

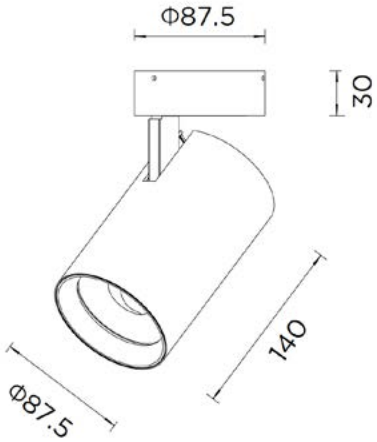
KEY POINTS

- True Colour CRI 98, amazingly high level of colour rendering
- R9 95, reds are redder than ever
- Remote driver - can be mounted up to 30m away
- Dim to dark with our range of fully tested drivers

DIMENSIONS



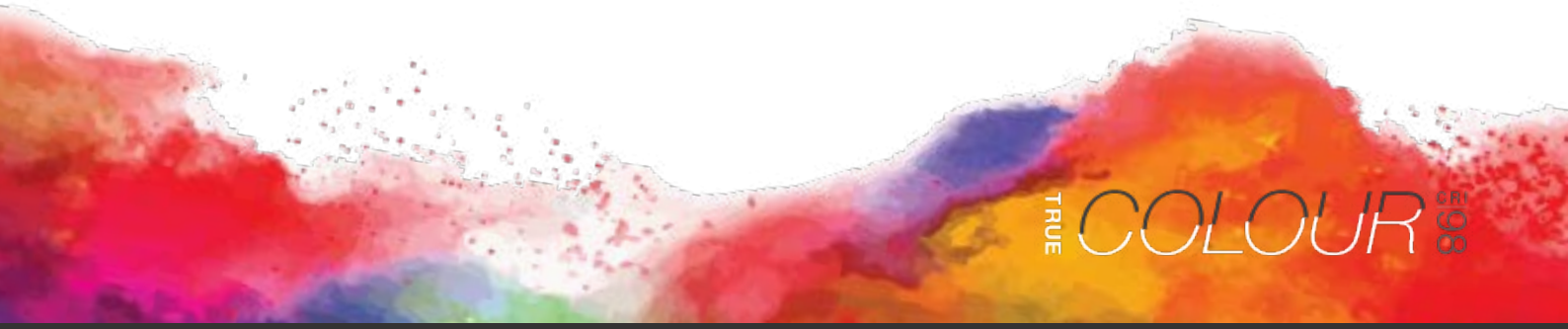




15W	
Lens Diameter:	Ø62mm
Length:	100mm

25W	
Lens Diameter:	Ø76mm
Length:	120mm

35W	
Lens Diameter:	Ø88mm
Length:	140mm



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SPECIFICATION

Power	15W			25W			35W		
Beam Angle	15°	24°	36°	15°	24°	36°	15°	24°	36°
							45°	60°	

Binning SDCM	<3 Step
CRI	98
R9	95
TM30 Rf Rg	Rf 95 Rg 95
UGR	<19
Cut-Off Angle	30°
LED Type	Luminus Gen. 6 CXM-6 COB LED
LED Lifetime (Ave.)	50,000 hrs
Voltage	220-240V
Current	350mA
Supported Protocols	Mains Dim / TRIAC / 0-10V / DALI
Dim to Dark	0.1% Lux
Wiring	N/A
Product code	DLD/ALPSMONO

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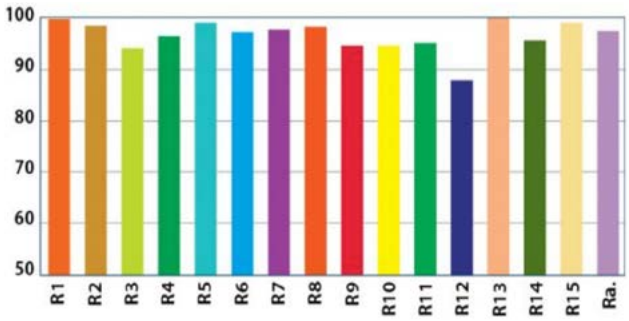
LED COB PERFORMANCE REPORT

Category:	COB	*Colour ratio:*	R=0.241, G=0.726, B=0.032
Spec:	Luminus Gen. 6 CXM-6	*Peak wavelength:*	633.2nm
CCT:	Tc=3138K (duv=0.00093)	*Dominant wavelength:*	581.9nm
CRI:	Ra=98.6	*Central wave:*	602.6nm
TM30:	Rf=95, Rg=101		

Typical Colour Rendering Index

GAI (Gamut Area Index): GAI_BB_8=98.7, GAI_BB_15=103.2, GAI_EES=60.3

Nominal CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	TLCI
3000K	**99**	**99**	**96**	**99**	**99**	**98**	**99**	**99**	**96**	**96**	**97**	**85**	**100**	**97**	**99**	**98**

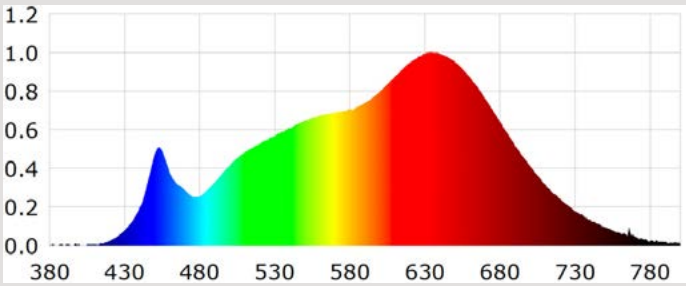


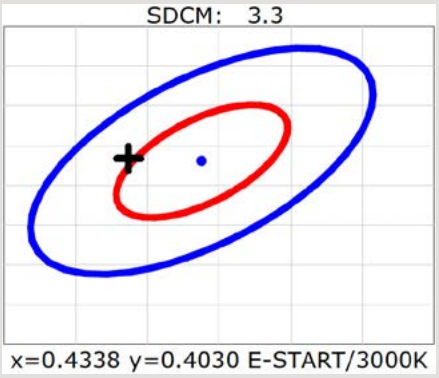
Colour Quality Index

Colour Quality Scale: Qa= 96.2, Qf= 97.1, Qp= 98.1, Qg= 98.9

Nominal CCT	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	-
3000K	**95**	**97**	**93**	**94**	**97**	**98**	**97**	**98**	**97**	**97**	**97**	**97**	**97**	**98**	**97**	**-**

Colour Rendering Chart





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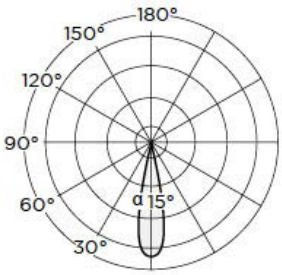
PHOTOMETRIC DATA FOR 15W

Power	CCT	Beam Angle Optics		Delivered Output	Efficacy
15W	2700K	15°	Spot	1056 lm	71 lm/W
		24°	Medium	1212 lm	82 lm/W
		36°	Wide	1193 lm	81 lm/W
15W	3000K	15°	Spot	1112 lm	75 lm/W
		24°	Medium	1276 lm	86 lm/W
		36°	Wide	1256 lm	85 lm/W
15W	4000K	15°	Spot	1223 lm	83 lm/W
		24°	Medium	1404 lm	95 lm/W
		36°	Wide	1382 lm	94 lm/W

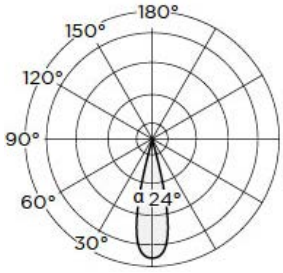
PHOTOMETRIC DIAGRAMS FOR 15W

15° Spot



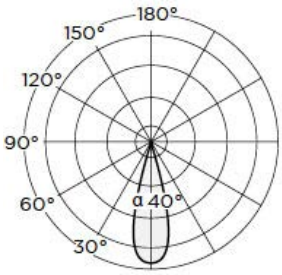
h (m)	Ø	Em (lux/klm)
h1	0,30	7923
h2	0,60	1981
h3	0,90	880
h4	1,20	495
h5	1,50	317

24° Medium



h (m)	Ø	Em (lux/klm)
h1	0,40	7351
h2	0,80	1838
h3	1,20	817
h4	1,60	459
h5	2,00	294

36° Wide



h (m)	Ø	Em (lux/klm)
h1	0,64	3281
h2	1,28	820
h3	1,92	364
h4	2,56	205
h5	3,20	131

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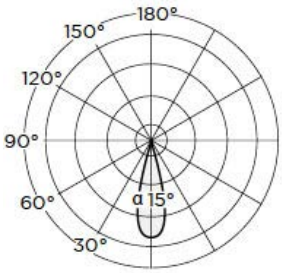
PHOTOMETRIC DATA FOR 25W

Power	CCT	Beam Angle Optics		Delivered Output	Efficacy
25W	2700K	15°	Spot	2191 lm	81 lm/W
		24°	Medium	2297 lm	85 lm/W
		36°	Wide	2182 lm	81 lm/W
25W	3000K	15°	Spot	2306 lm	85 lm/W
		24°	Medium	2418 lm	89 lm/W
		36°	Wide	2297 lm	85 lm/W
25W	4000K	15°	Spot	2537 lm	94 lm/W
		24°	Medium	2660 lm	98 lm/W
		36°	Wide	2527 lm	94 lm/W

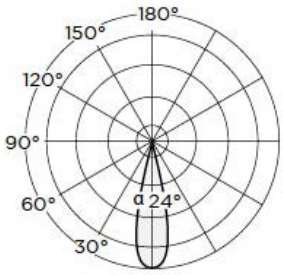
PHOTOMETRIC DIAGRAMS FOR 25W

15° Spot



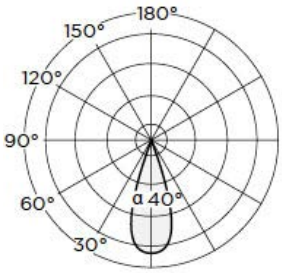
h (m)	Ø	Em (lux/klm)
h1	0,33	12136
h2	0,66	3034
h3	0,99	1348
h4	1,33	759
h5	1,66	485

24° Medium



h (m)	Ø	Em (lux/klm)
h1	0,56	8017
h2	1,13	2004
h3	1,69	891
h4	2,26	501
h5	2,82	321

36° Wide



h (m)	Ø	Em (lux/klm)
h1	0,76	4062
h2	1,51	1016
h3	2,27	451
h4	3,02	254
h5	3,78	163

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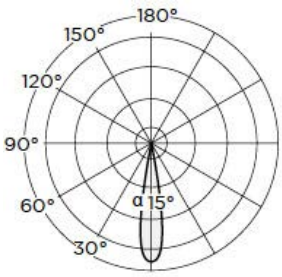
PHOTOMETRIC DATA FOR 35W

Power	CCT	Beam Angle Optics		Delivered Output	Efficacy
35W	2700K	15°	Spot	3159 lm	76 lm/W
		24°	Medium	3537 lm	83 lm/W
		36°	Wide	3230 lm	81 lm/W
35W	3000K	15°	Spot	3325 lm	80 lm/W
		24°	Medium	3723 lm	87 lm/W
		36°	Wide	3400 lm	85 lm/W
35W	4000K	15°	Spot	3658 lm	88 lm/W
		24°	Medium	4095 lm	96 lm/W
		36°	Wide	3740 lm	94 lm/W

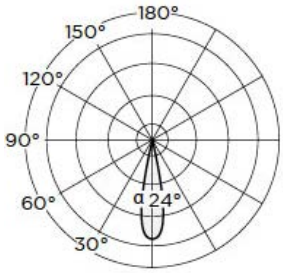
PHOTOMETRIC DIAGRAMS FOR 35W

15° Spot



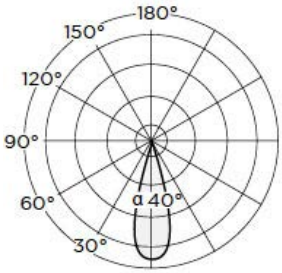
h (m)	Ø	Em (lux/klm)
h1	0,33	23063
h2	0,66	5766
h3	0,98	2563
h4	1,31	1441
h5	1,64	923

24° Medium



h (m)	Ø	Em (lux/klm)
h1	0,44	15494
h2	0,87	3874
h3	1,31	1722
h4	1,75	968
h5	2,18	620

36° Wide



h (m)	Ø	Em (lux/klm)
h1	0,61	7972
h2	1,23	1993
h3	1,84	886
h4	2,45	498
h5	3,06	319

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