

ARTIS

SURFACE SERIES

An expansion to the Artis downlight series in surface mounted form that is suitable for installation in areas without false ceiling. Designed with multi-axis adjustable snoot and ELR's signature modular concept, LED modules are fully interchangeable with various choices that are ideal for illuminating objects in showcasing and retail applications.



Future proof with upgradeable module

30° multi-axis tilt



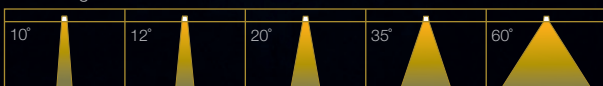
Multiple accessories options

Trim thickness < 2mm

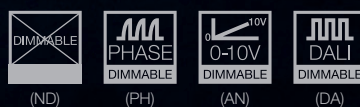
Module Colour Temperature Variation



Beam Angle



Driver Dimming Variation



ARTIS 3 SURFACE

SNOOT MULTI-AXIS TILT SURFACE MOUNTED LUMINAIRE



#UNO



#DUO

TECHNOLOGY AND FEATURES



Advanced Thermal Protection System



Low Flicker, No Risk (IEEE 1789)



Converging Optical Lens Maximising LOR

AVAILABLE OPTIONS

FIXTURE COLOUR OPTIONS

Trim Colour Options

MATT WHITE RAL9003

MATT BLACK RAL9011



ACCESSORIES



Honeycomb Anti-Glare Louvre



Soft Lens

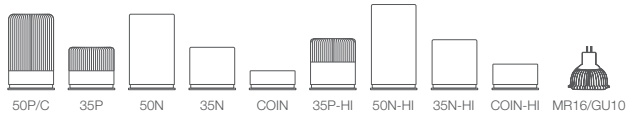


Linear Spread Lens



MR16 Holder
GU10 Holder

LED MODULE



*Drivers for 24CV LED modules are sold separately.

	10°	20°	35°	60°
<p>SINGLE CCT</p> <p>2700K 3000K 3500K 4000K 5000K</p> <p>ProART ProART98</p>	✓	✓	✓	✓
<p>50P / 50C / 35P / 50N / 35N / COIN</p> <p>35P-HI / 50N-HI / 35N-HI / COIN-HI</p>	✓			
<p>WARM DIM</p>	✓	✓	✓	✓
<p>tuneWHITE</p>				
<p>50P / 50N / COIN</p>		✓	✓	✓
<p>flexiK</p>				
<p>RGBW</p>			✓	✓

**tuneWHITE and flexiK are recommended to be paired with Soft Lens for better colour mixing effect.

*Drivers for RGBW LED modules are sold separately.

DRIVER DIMMING



(ND)



(PH)



(AN)



(DA)



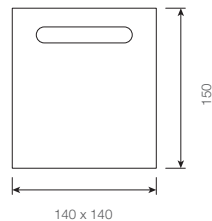
ARTIS 3 SURFACE

SPECIFICATIONS

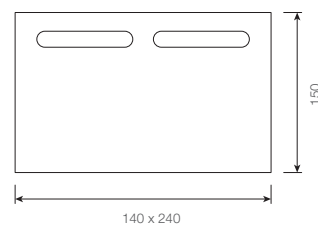
FIXTURE

Family Type	Artis series
Fixture Colours	Matt white, matt black
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens
Ingress Protection	IP40
LED MODULE & DRIVER	
Compatible LED Modules	50, 35, COIN series LED modules or MR16/GU10
Lifetime	Up to 50,000 hours L80 lamp life with LM80 tested LED chip packages
Beam Angles	10°, 20°, 35°, 60°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K, Warm Dim, tuneWHITE, flexiK
CRI	High Efficiency (CRI-85), ProART (CRI-95), ProART98 (CRI-98)
Driver (Dimming)	Non-dim, phase (leading & trailing edge), 0-10V, DALI

DIMENSIONS (MM)



(UNO)

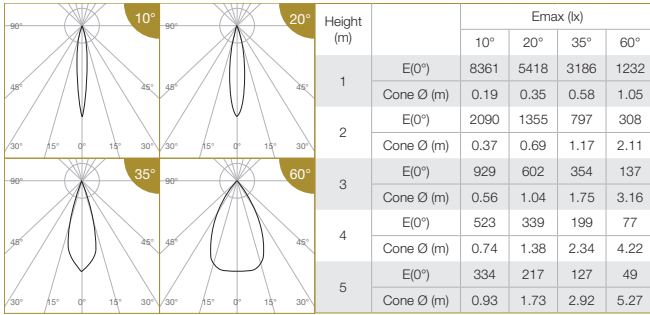


(DUO)

ARTIS 3 SURFACE

PHOTOMETRICS

50 PRO



Correction Factor:

50P (10°) - f = 1.00	50P (20°, 35°, 60°) - f = 1.00
50P (10°) - f = 0.78	50C (20°, 35°, 60°) - f = 0.80
35P (10°) - f = 0.62	35P (20°, 35°, 60°) - f = 0.71
50N (10°) - f = 0.58	50N (20°, 35°, 60°) - f = 0.63
35N (10°) - f = 0.42	35N (20°, 35°, 60°) - f = 0.47
COIN (10°) - f = 0.35	COIN (20°, 35°, 60°) - f = 0.38
50P-24CV (10°) - f = 0.75	50P-24CV (20°, 35°, 60°) - f = 0.70
50C-24CV (10°) - f = 0.62	50C-24CV (20°, 35°, 60°) - f = 0.57
35P-24CV (10°) - f = 0.48	35P-24CV (20°, 35°, 60°) - f = 0.49
COIN-24CV (10°) - f = 0.28	COIN-24CV (20°, 35°, 60°) - f = 0.27

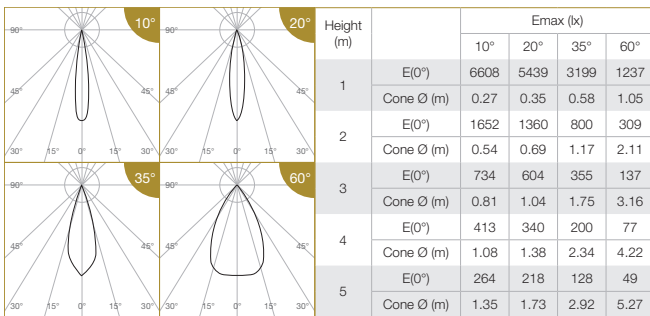


ELR LED Module				50P	50C	35P	50N	35N	COIN	
LED Power				12W	10W	8W	7.5W	5.5W	4.5W	
System Power				15.2W	12.8W	11W	10W	7.5W	6W	
Luminous Flux (lm)	Type	Beam Angle	CRI							
				Single CCT (3000K)						
	10°	High Efficiency Ra-85	ProART Ra-95	962	755	599	555	407	333	
				818	642	510	472	346	283	
		ProART98 Ra-98	673	528	420	389	285	233		
			20°							
		High Efficiency Ra-85	ProART Ra-95	1305	1044	931	827	609	496	
				1109	887	792	703	518	422	
	ProART98 Ra-98	High Efficiency Ra-85	914	731	652	579	426	347		
			1320	1056	942	836	616	502		
	ProART Ra-95	ProART98 Ra-98	1122	898	801	711	524	427		
			924	739	659	585	431	351		
	60°	High Efficiency Ra-85	ProART Ra-95	1230	984	877	779	574	467	
				1046	836	746	663	488	398	
ProART98 Ra-98		High Efficiency Ra-85	861	689	614	545	402	327		
			Input Power (24CV)							
				12W	10W	8W			4.5W	
Luminous Flux (lm)		Type	Beam Angle	CRI						
	24CV Single CCT (3000K)									
	10°	High Efficiency Ra-85	ProART Ra-95	718	592	466			274	
				611	503	397			233	
		ProART98 Ra-98	502	414	326			192		
			20°							
		High Efficiency Ra-85	ProART Ra-95	914	748	644			357	
				777	636	547			304	
	ProART98 Ra-98	High Efficiency Ra-85	639	524	451			250		
			924	757	651			361		
	ProART Ra-95	ProART98 Ra-98	786	643	554			307		
			647	530	456			253		
	High Efficiency Ra-85	ProART Ra-95	861	705	607			336		
			732	599	516			286		
ProART98 Ra-98	High Efficiency Ra-85	603	494	425			235			

Data are based on 3000K (ProART CRI-95). Nominal data of 2700K and 3500K are shared with 3000K. Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05) High Efficiency CRI-85 will have a nominal data value of 15% higher than published. (f = 1.17) ProART98 CRI-98 will have a nominal data value of 8% lower than published. (f = 0.82)

Nominal CRI-85, equals to Ra>80-87, R9>0
Nominal CRI-95, equals to Ra>90-97, R9>50
Nominal CRI-98, equals to Ra>97-99, R9>83

50 PRO WARM DIM



Correction Factor:

50P WD - f = 1.00
50N WD - f = 0.63
35N WD - f = 0.46
COIN WD - f = 0.38



ELR LED Module				50P	50N	35N	COIN
LED Power				12W	7.5W	5.5W	4.5W
System Power				15.2W	10W	7.5W	6W
Luminous Flux (lm)	Type	Beam Angle	CRI				
				Warm Dim (3100K)			
	Warm Dim (3100K)	10°	ProART Ra-95	934	584	431	350
				1114	696	513	418
				1126	704	519	422
				1050	656	484	394

Data are based on maximum output at 3100K.
Nominal CRI-95, equals to Ra>90-97, R9>50

ARTIS 3 SURFACE

PHOTOMETRICS

50 PRO tuneWHITE/flexiK



Height (m)		Emax (lx)		
		20°	35°	60°
1	E(0°)	4249	2499	966
	Cone Ø (m)	0.35	0.58	1.05
2	E(0°)	1062	625	242
	Cone Ø (m)	0.69	1.17	2.11
3	E(0°)	472	278	107
	Cone Ø (m)	1.04	1.75	3.16
4	E(0°)	266	156	60
	Cone Ø (m)	1.38	2.34	4.22
5	E(0°)	170	100	39
	Cone Ø (m)	1.73	2.92	5.27

ELR LED Module				50P	50N	COIN
LED Power				12W	7.5W	4.5W
System Power				15.2W	10W	6W
Luminous Flux (lm)	Type	Beam Angle	CRI			
	tuneWHITE / flexiK (4000K / 6500K)	20°	ProART Ra-95	870	522	313
		35°		880	528	317
60°	820	492		295		

Data are based on maximum output at highest CCT (4000K / 6500K).
 2700K will have a nominal data value of 10% lower than published. (f = 0.90)
 1800K will have a nominal data value of 30% lower than published. (f = 0.70)

Nominal CRI-95, equals to Ra>90-97, R9>50

Correction Factor: 50P TW / FK - f = 1.00
 50N TW / FK - f = 0.80
 COIN TW / FK - f = 0.36

50 PRO RGBW



Height (m)		Emax (lx)	
		35°	60°
1	E(0°)	1512	585
	Cone Ø (m)	0.58	1.05
2	E(0°)	378	146
	Cone Ø (m)	1.17	2.11
3	E(0°)	168	65
	Cone Ø (m)	1.75	3.16
4	E(0°)	94	37
	Cone Ø (m)	2.34	4.22
5	E(0°)	60	23
	Cone Ø (m)	2.92	5.27

ELR LED Module				50P
LED Power				12W
System Power				15.2W
Luminous Flux (lm)	Type	Beam Angle	CRI	
	RGBW	35°	N/A	532
		60°		496

Data are based on maximum output of all 4 RGBW channels.

35 PRO HIGH INTENSITY



Height (m)		Emax (lx)	
		10°	
1	E(0°)	10417	
	Cone Ø (m)	0.19	
2	E(0°)	2604	
	Cone Ø (m)	0.37	
3	E(0°)	1157	
	Cone Ø (m)	0.56	
4	E(0°)	651	
	Cone Ø (m)	0.74	
5	E(0°)	417	
	Cone Ø (m)	0.93	

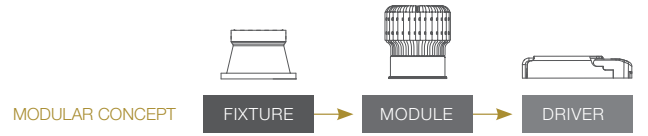
ELR LED Module				35P-HI	50N-HI	35N-HI	COIN-HI
LED Power				8W	7.5W	5.5W	4.5W
System Power				11W	10W	7.5W	6W
Luminous Flux (lm)	Type	Beam Angle	CRI				
	Single CCT (3000K)	10°	High Efficiency Ra-85	568	533	391	318
			ProART Ra-95	482	453	333	271
ProART98 Ra-98			397	373	274	223	

Data are based on 3000K (ProART CRI-95). Nominal data of 2700K and 3500K are shared with 3000K.
 Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05)
 High Efficiency CRI-85 will have a nominal data value of 15% higher than published. (f = 1.17)
 ProART98 CRI-98 will have a nominal data value of 8% lower than published. (f = 0.82)

Nominal CRI-85, equals to Ra>80-87, R9>0
 Nominal CRI-95, equals to Ra>90-97, R9>50
 Nominal CRI-98, equals to Ra>97-99, R9>93

Correction Factor: 35P-HI - f = 1.00
 50N-HI - f = 0.94
 35N-HI - f = 0.69
 COIN-HI - f = 0.56

ARTIS 3 SURFACE



ORDERING MATRIX CHART

Fixture										
Type	Head		Shape		Angle		Colour		Accessories	
ARTIS-3SM	U	Uno	SQ	Square	TL	Tilt	WH	Matt White	N	None
	D	Duo					MB	Matt Black	AGL	Anti-Glare Louvre
									SL	Soft Lens
									LSL	Linear Spread Lens
									MR16	MR16 Holder
									GU10	GU10 Holder

Single CCT LED Module								Driver	
LED Power	Beam Angle		Colour Temp		CRI		Dimming		
ELR50P	12W	10	10°	27	2700K	HE	Ra-85	ND	Non-Dim
ELR50C	10W	20	20°	30	3000K	PA	ProART	PH	Phase
ELR35P	8W	35	35°	35	3500K	PP	ProART98	AN	0-10V
ELR50N	7.5W	60	60°	40	4000K			DA	DALI
ELR35N	5.5W			50	5000K				
ELR50P-HI	8W	NS	10°	27	2700K	HE	Ra-85	ND	Non-Dim
ELR50N-HI	7.5W			30	3000K	PA	ProART	PH	Phase
ELR35N-HI	5.5W			35	3500K	PP	ProART98	AN	0-10V
ELR50P-24CV	12W	10	10°	27	2700K	HE	Ra-85		
ELR50C-24CV	10W	20	20°	30	3000K	PA	ProART		
ELR35P-24CV	8W	35	35°	35	3500K	PP	ProART98		
ELR50N-24CV	7.5W	60	60°	40	4000K			DA	DALI
ELR35N-24CV	5.5W			50	5000K				

*Drivers for 24CV LED modules are sold separately.

Warm Dim LED Module								Driver	
LED Power	Beam Angle		Colour Temp		CRI		Dimming		
ELR50P	12W	10	10°	WD	Warm Dim	PA	ProART	PH	Phase
ELR50N	7.5W	20	20°					AN	0-10V
ELR35N	5.5W	35	35°					DA	DALI
ELR50P	12W	20	20°	TW1831	tuneWHITE 1800K-3100K	PA	ProART	DA	DALI
ELR50N	7.5W	35	35°	TW1840	tuneWHITE 1800K-4000K				
ELR50P	12W	60	60°	TW2765	tuneWHITE 2700K-6500K				

tuneWHITE LED Module								Driver	
LED Power	Beam Angle		Colour Temp		CRI		Dimming		
ELR50P	12W	20	20°	TW1831	tuneWHITE 1800K-3100K	PA	ProART	DA	DALI
ELR50N	7.5W	35	35°	TW1840	tuneWHITE 1800K-4000K				
ELR50P	12W	60	60°	TW2765	tuneWHITE 2700K-6500K				

flexiK LED Module								Driver	
LED Power	Beam Angle		Colour Temp		CRI		Dimming		
ELR50P	12W	20	20°	FK##	flexiK	PA	ProART	PH	Phase
ELR50N	7.5W	35	35°					AN	0-10V
ELR50P	12W	60	60°					DA	DALI

denotes the first two digits of preferred CCT ranging from 1800K to 6500K by increment of 100K.

RGBW LED Module							
LED Power	Beam Angle		Colour Temp				
ELR50P	12W	35	35°	RGBW	Red, Green, Blue, White		
		60	60°				

*Drivers for RGBW LED modules are sold separately.

example: ARTIS-3SM.U.SQ.TL.WH.N.ELR50P:35.30.PA.DA

*Custom RAL colour options available.