

ECLIPSE 3E

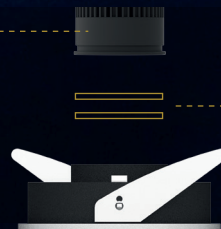
DOWNLIGHT SERIES

An emergency light variant of the Eclipse downlight series, designed and focused on aesthetics to blend in. Incorporating ELR's signature modular concept design, LED modules are fully interchangeable with various choices to provide optimal illumination for all kinds of spaces.

Test Switch and Light Indicator

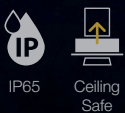


Future proof with upgradeable module



Multiple accessories options

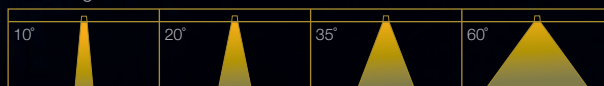
Fixture Features



Module Colour Temperature Variation



Beam Angle

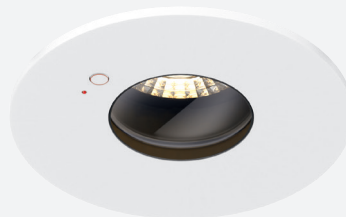


Driver Dimming Variation



ECLIPSE 3E 65

RECESSED ROUND FIX / TILT DOWNLIGHT LUMINAIRE



#ROUND
#FIX
#TRIM



#ROUND
#TILT
#TRIM

TECHNOLOGY AND FEATURES



ATePS
Advanced Thermal
Protection System



ComfyEYE
Low Flicker,
No Risk
(IEEE 1789)



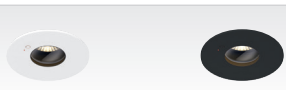
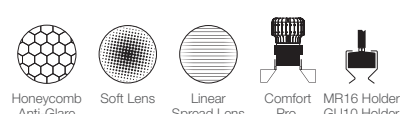
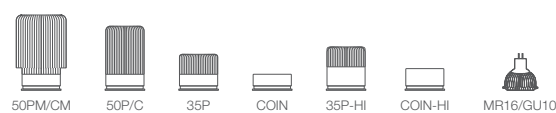
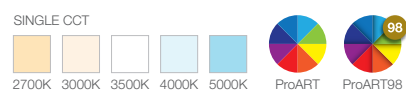





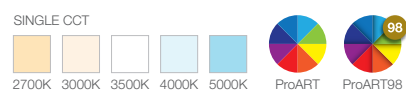





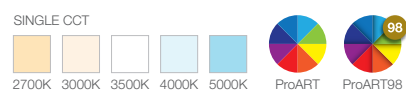






BEAM
Converging Optical Lens
Maximising LOR



Ceiling
Safe

Pinhole

AVAILABLE OPTIONS

FIXTURE COLOUR OPTIONS	<p>Trim Colour Options</p> <p>MATT WHITE RAL9003 MATT BLACK RAL9011</p> 																																													
ACCESSORIES	 <p>Honeycomb Anti-Glare Louvre Soft Lens Linear Spread Lens Comfort Pro MR16 Holder GU10 Holder</p>																																													
LED MODULE	 <table border="1" data-bbox="359 1120 1444 1848"> <thead> <tr> <th></th> <th>10°</th> <th>20°</th> <th>35°</th> <th>60°</th> </tr> </thead> <tbody> <tr> <td> <p>SINGLE CCT</p>  <p>2700K 3000K 3500K 4000K 5000K ProART ProART98</p> </td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td> <p>50PM / 50CM / 50P / 50C / 35P / COIN</p> </td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td> <p>35P-HI / COIN-HI</p> </td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td> <p>ComfySHIFT</p>  </td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td> <p>WARM DIM</p>  </td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td> <p>tuneWHITE</p>  </td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> <p>flexiK</p>  </td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td> <p>RGBW</p>  </td> <td></td> <td></td> <td>✓</td> <td>✓</td> </tr> </tbody> </table> <p><i>*Drivers for 24CV LED modules are sold separately.</i></p> <p><i>**tuneWHITE and flexiK are recommended to be paired with Soft Lens for better colour mixing effect.</i></p> <p><i>*Drivers for RGBW LED modules are sold separately.</i></p>		10°	20°	35°	60°	<p>SINGLE CCT</p>  <p>2700K 3000K 3500K 4000K 5000K ProART ProART98</p>	✓	✓	✓	✓	<p>50PM / 50CM / 50P / 50C / 35P / COIN</p>	✓	✓	✓	✓	<p>35P-HI / COIN-HI</p>	✓				<p>ComfySHIFT</p> 	✓	✓	✓	✓	<p>WARM DIM</p> 	✓	✓	✓	✓	<p>tuneWHITE</p> 					<p>flexiK</p> 		✓	✓	✓	<p>RGBW</p> 			✓	✓
	10°	20°	35°	60°																																										
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<p>35P-HI / COIN-HI</p>	✓																																													
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<p>RGBW</p> 			✓	✓																																										
DRIVER DIMMING	 <p>(ND) (PH) (AN) (DA)</p>																																													

ECLIPSE

3E



- #ROUND
- #FIX
- #TILT
- #TRIM

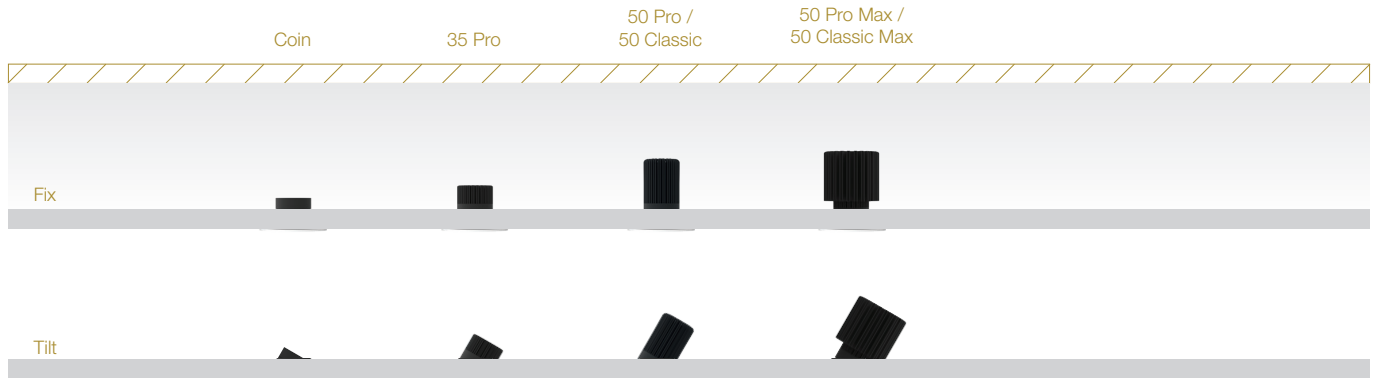
SPECIFICATIONS

FIXTURE

Family Type	Eclipse series
Fixture Colours	Matt white, matt black
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens, Comfort Pro
Ingress Protection	IP65 (Fixture Face Only)

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, ComfySHIFT, Warm Dim, tuneWHITE, flexiK, RGBW
CRI	High Efficiency (CRI-85), ProART (CRI-95), ProART98 (CRI-98)
Driver (Dimming)	Non-dim, phase (leading & trailing edge), 0-10V, DALI

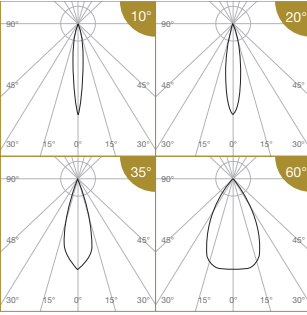


DIMENSIONS (MM)				Height (h)			Height increase with accessories: Anti-Glare Louvre : Height +6 Soft Lens : Height +3 Linear Spread Lens : Height +3 Comfort Pro : Height +20
ROUND	Trim	Fix	Tilt	Module	Fix	Tilt	
				50PM / 50CM:	117	122	 (refer to module driver dimensions)
				50P / 50C:	103	106	
				35P:	74	80	
				COIN:	50	59	
				35P-HI:	84	90	
				COIN-HI:	60	69	
				MR16 / GU10	74	80	

ECLIPSE 3E IP 65

PHOTOMETRICS

50 PRO



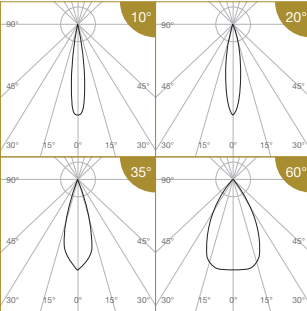
Height (m)		Emax (lx)				ELR LED Module																									
		10°	20°	35°	60°	50P		50C		35P		COIN																			
1	E(0°)	8361	5418	3186	1232	LED Power		12W	10W	8W	4.5W	21W	17W																		
	Cone Ø (m)	0.19	0.35	0.58	1.05	System Power		15.2W	12.8W	11W	6W	25W	21W																		
2	E(0°)	2090	1355	797	308	Luminous Flux (lm)	Type	Beam Angle	CRI	50P	50C	35P	COIN	50PM	50CM																
	Cone Ø (m)	0.37	0.69	1.17	2.11																										
3	E(0°)	929	602	354	137											Single CCT (3000K)	10°	High Efficiency Ra-85	962	755	599	333	1628	1317							
	Cone Ø (m)	0.56	1.04	1.75	3.16													ProART Ra-95	818	642	510	283	1384	1120							
4	E(0°)	523	339	199	77													ProART98 Ra-98	673	528	420	233	1140	922							
	Cone Ø (m)	0.74	1.38	2.34	4.22													High Efficiency Ra-85	1305	1044	931	496	2262	1827							
5	E(0°)	334	217	127	49													ProART Ra-95	1109	887	792	422	1923	1553							
	Cone Ø (m)	0.93	1.73	2.92	5.27													ProART98 Ra-98	914	731	652	347	1583	1279							
																									High Efficiency Ra-85	1320	1056	942	502	2288	1848
																									ProART Ra-95	1122	898	801	427	1945	1571
																									ProART98 Ra-98	924	739	659	351	1602	1294
						High Efficiency Ra-85	1230	984	877	467	2132	1722																			
						ProART Ra-95	1046	836	746	398	1812	1464																			
ProART98 Ra-98	861	689	614	327	1492	1205																									

Correction Factor:
 50P (10°) - f = 1.00
 50P (20°) - f = 0.78
 35P (10°) - f = 0.62
 COIN (10°) - f = 0.35
 50PM (10°) - f = 1.69
 50CM (10°) - f = 1.37
 50P (20°, 35°, 60°) - f = 1.00
 50C (20°, 35°, 60°) - f = 0.80
 35P (20°, 35°, 60°) - f = 0.71
 COIN (20°, 35°, 60°) - f = 0.38
 50PM (20°, 35°, 60°) - f = 1.73
 50CM (20°, 35°, 60°) - f = 1.40

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 18% lower than published. (f = 0.82)

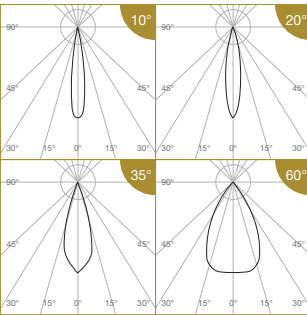
Nominal CRI-95, equals to Ra-90-97, R9-9
 Nominal CRI-95, equals to Ra-90-97, R9-50
 Nominal CRI-98, equals to Ra-97-99, R9-93

35 PRO ComfySHIFT



Height (m)		Emax (lx)				ELR LED Module																
		10°	20°	35°	60°	35P																
1	E(0°)	4388	3612	2124	821	LED Power		8W														
	Cone Ø (m)	0.27	0.35	0.58	1.05	System Power		11W														
2	E(0°)	1097	903	531	205	Luminous Flux (lm)	Type	Beam Angle	CRI	35P												
	Cone Ø (m)	0.54	0.69	1.17	2.11																	
3	E(0°)	488	401	236	91								ComfySHIFT (3100K)	20°	ProART Ra-95							
	Cone Ø (m)	0.81	1.04	1.75	3.16																	
4	E(0°)	274	226	133	51														621	740	748	697
	Cone Ø (m)	1.08	1.38	2.34	4.22																	
5	E(0°)	176	144	85	33	Data are based on maximum output at 3100K.	Nominal CRI-95, equals to Ra-90-97, R9-50															
	Cone Ø (m)	1.35	1.73	2.92	5.27																	

50 PRO WARM DIM



Height (m)		Emax (lx)				ELR LED Module																		
		10°	20°	35°	60°	50P		35P		COIN														
1	E(0°)	6608	5439	3199	1237	LED Power		12W	8W	4.5W														
	Cone Ø (m)	0.27	0.35	0.58	1.05	System Power		15.2W	11W	6W														
2	E(0°)	1652	1360	800	309	Luminous Flux (lm)	Type	Beam Angle	CRI	50P	35P	COIN												
	Cone Ø (m)	0.54	0.69	1.17	2.11																			
3	E(0°)	734	604	355	137								Warm Dim (3100K)	20°	ProART Ra-95									
	Cone Ø (m)	0.81	1.04	1.75	3.16																			
4	E(0°)	413	340	200	77														934	621	350			
	Cone Ø (m)	1.08	1.38	2.34	4.22																			
5	E(0°)	264	218	128	49																	1114	740	418
	Cone Ø (m)	1.35	1.73	2.92	5.27																			
																			1050	697	394			

Correction Factor:
 50P WD - f = 1.00
 35P WD - f = 0.66
 COIN WD - f = 0.38

ECLIPSE 3E IP 65

PHOTOMETRICS

50 PRO tuneWHITE/flexiK

Height (m)		Emax (lx)			ELR LED Module			50P	COIN				
		20°	35°	60°	LED Power			12W	4.5W				
1	E(0°)	4249	2499	966	System Power			15.2W	6W				
	Cone Ø (m)	0.35	0.58	1.05	Luminous Flux (lm)	Type	Beam Angle	CRI	870	313			
2	E(0°)	1062	625	242							tuneWHITE / flexiK (4000K / 6500K)	20°	ProART Ra-95
	Cone Ø (m)	0.69	1.17	2.11								35°	
3	E(0°)	472	278	107		60°	880	317					
	Cone Ø (m)	1.04	1.75	3.16		820	295						
4	E(0°)	266	156	60		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							
	Cone Ø (m)	1.38	2.34	4.22									
5	E(0°)	170	100	39									
	Cone Ø (m)	1.73	2.92	5.27									

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

50 PRO RGBW

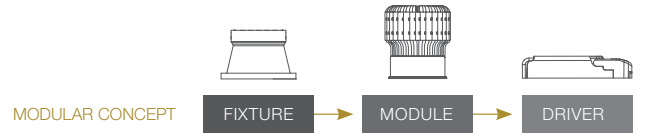
Height (m)		Emax (lx)		ELR LED Module			50P				
		35°	60°	LED Power			12W				
1	E(0°)	1512	585	System Power			15.2W				
	Cone Ø (m)	0.58	1.05	Luminous Flux (lm)	Type	Beam Angle	CRI	532			
2	E(0°)	378	146						RGBW	35°	N/A
	Cone Ø (m)	1.17	2.11								
3	E(0°)	168	65		Data are based on maximum output of all 4 RGBW channels.						
	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								

35 PRO HIGH INTENSITY

Height (m)		Emax (lx)	ELR LED Module			35P-HI	COIN-HI				
		10°	LED Power			8W	4.5W				
1	E(0°)	10417	System Power			11W	6W				
	Cone Ø (m)	0.19	Luminous Flux (lm)	Type	Beam Angle	CRI	568	318			
2	E(0°)	2604							Single CCT (3000K)	10°	High Efficiency Ra-85
	Cone Ø (m)	0.37									ProART Ra-95
3	E(0°)	1157		ProART98 Ra-98	397	223					
	Cone Ø (m)	0.56		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 18% lower than published. (f = 0.82)							
4	E(0°)	651		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							
	Cone Ø (m)	0.74									
5	E(0°)	417									
	Cone Ø (m)	0.93									

Correction Factor: 35P-HI - f = 1.00
COIN-HI - f = 0.56

ECLIPSE 3E IP65



ORDERING MATRIX CHART

Fixture										
Type	Trim Options		Shape		Angle		Colour		Accessories	
ECLIPSE-3E.IP65	T	Trim	RD	Round	FX	Fix	WH	Matt White	N	None
					TL	Tilt	MB	Matt Black	AGL	Anti-Glare Louvre
									SL	Soft Lens
									LSL	Linear Spread Lens
									CP	Comfort Pro
									CMB	COIN Module Bracket****
									MR16	MR16 Holder
									GU10	GU10 Holder

****COIN Module Bracket accessory is necessary when paired with COIN LED module variants.

Single CCT LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR50PM	21W	10	10°	27	2700K	HE	Ra-85	ND	Non-Dim
ELR50CM	17W	20	20°	30	3000K	PA	ProART	PH	Phase
ELR50P	12W	35	35°	35	3500K	PP	ProART98	AN	0-10V
ELR50C	10W	60	60°	40	4000K			DA	DALI
ELR35P	8W			50	5000K				
ELRCOIN	4.5W								
ELR35P-HI	8W	NS	10°	27	2700K	HE	Ra-85	ND	Non-Dim
ELRCOIN-HI	4.5W			30	3000K	PA	ProART	PH	Phase
				35	3500K	PP	ProART98	AN	0-10V
				40	4000K			DA	DALI
				50	5000K				

Warm Dim LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR50P	12W	10	10°	WD	Warm Dim	PA	ProART	PH	Phase
ELR35P	8W	20	20°					AN	0-10V
ELRCOIN	4.5W	35	35°					DA	DALI
		60	60°						

tuneWHITE LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR50P	12W	20	20°	TW1831	tuneWHITE 1800K-3100K	PA	ProART	DA	DALI
ELRCOIN	4.5W	35	35°	TW1840	tuneWHITE 1800K-4000K				
		60	60°	TW2765	tuneWHITE 2700K-6500K				

ComfySHIFT LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR35P	8W	10	10°	CS	ComfySHIFT	PA	ProART	ND	Non-Dim
		20	20°						
		35	35°						
		60	60°						

flexiK LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR50P	12W	20	20°	FK##	flexiK	PA	ProART	PH	Phase
ELRCOIN	4.5W	35	35°					AN	0-10V
		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: ECLIPSE-3E.IP65.T.RD.FX.WH.N.ELR35N.20.27.PA.DA

*Emergency power pack (driver, battery, test switch, indicator LED) are sold separately.

*Custom RAL colour options available.