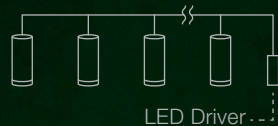


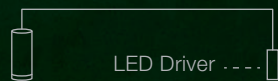
External Driver



Constant Voltage

Multiple LED module
driven by a single
LED driver

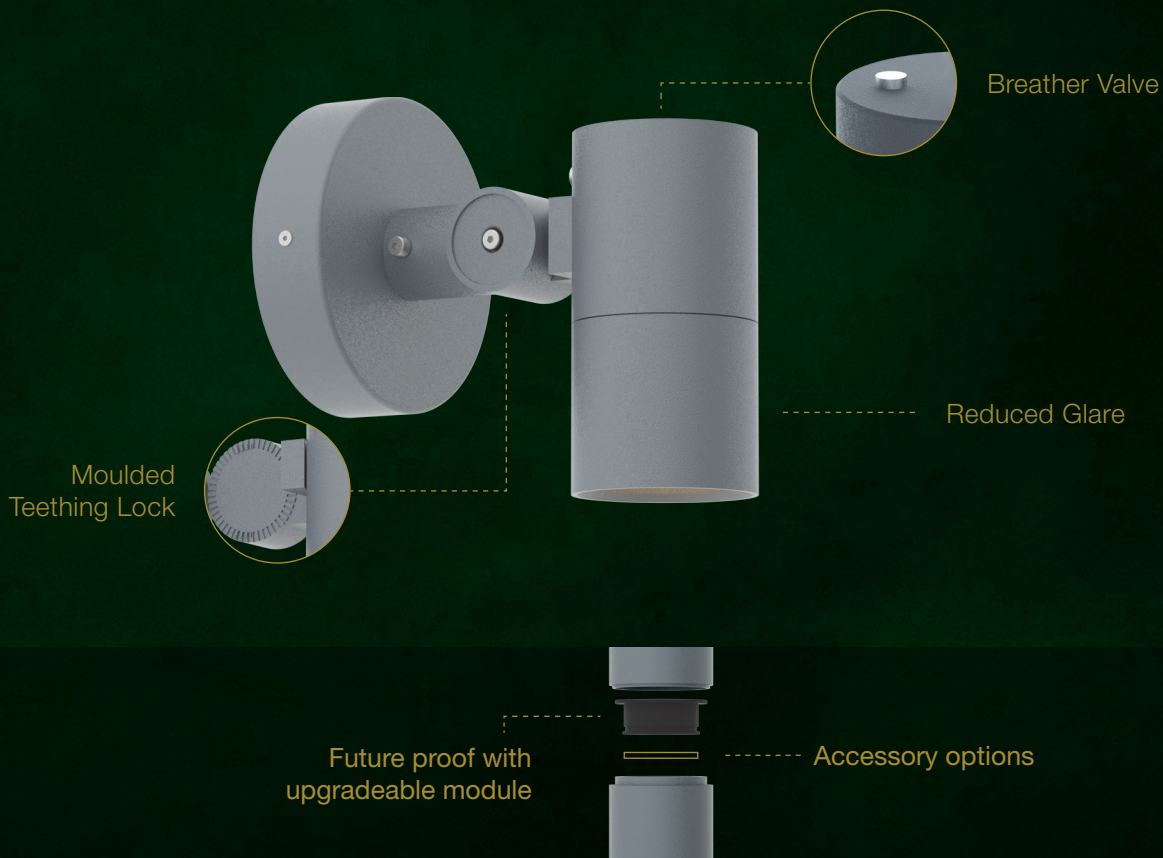
Constant Current

Single LED module
driven by a single
LED driver

NEBULA

OUTDOOR CANOPY SERIES

Adjustable luminaires for directional illumination purposes that operate on constant voltage platform, allowing multiple luminaires to be powered by a single LED driver remotely. Incorporating ELR's signature modular concept design, LED engines are fully interchangeable with various choices for optimal illumination and ease of maintenance.



Fixture Features



IP66 IK08



Class 3

Module Colour Temperature Variation



ProART



ProART98



WARM DIM



tuneWHITE

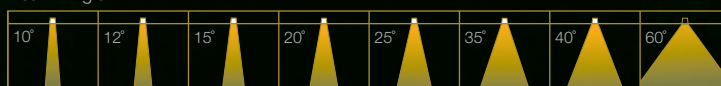


flexiK



RGBW

Beam Angle



Driver Dimming Variation



(ND)



(PH)



(AN)

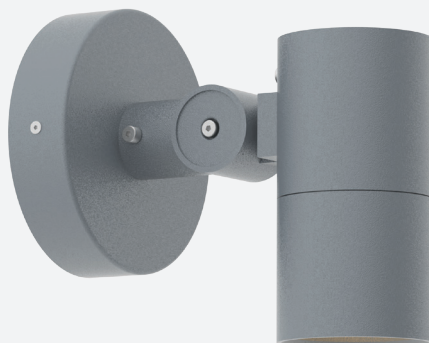


(DA)

NEBULA 3 CANOPY

IP 66 IK08

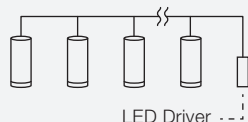
DC CONSTANT VOLTAGE / CONSTANT CURRENT
OUTDOOR CANOPY MOUNTED LUMINAIRE



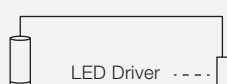
EXTERNAL DRIVER



Constant Voltage
Multiple LED module driven
by a single LED driver



Constant Current
Single LED module driven
by a single LED driver



TECHNOLOGY AND FEATURES



Advanced Thermal
Protection System



Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR

AVAILABLE OPTIONS

FIXTURE COLOUR OPTIONS	MATT GREY RAL7001 MATT BLACK RAL9011	
	 	
SNOOT OPTIONS	FULL SNOOT 45 DEGREE SNOOT	
	 	
ACCESSORIES	   Honeycomb Anti-Glare Louvre Soft Lens Linear Spread Lens	
LED MODULE CONSTANT VOLTAGE	 50PLE / 50CLE / 50CLO  2700K  3000K  3500K  4000K  5000K  ProART  ProART98  10°  20°  35°  60°	
CONSTANT CURRENT <i>**tuneWHITE and flexiK are recommended to be paired with Soft Lens for better colour mixing effect.</i> <i>*Drivers for RGBW LED modules are sold separately.</i>	 50PLE / 50CLE / 50CLO	
	SINGLE CCT  2700K  3000K  3500K  4000K  5000K  ProART  ProART98	50PLE / 50CLE / 50CLO
	WARM DIM 	50PLE
	tuneWHITE 	50PLE
	flexiK 	50PLE
	RGBW 	50PLE
DRIVER DIMMING	 (ND)  (PH)  (AN)  (DA)	



Class 3



Constant
Voltage

NEBULA 3 CANOPY

IP 66 IK08

SPECIFICATIONS

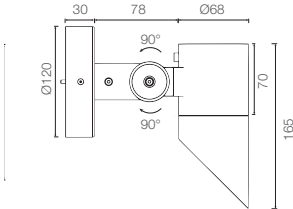
FIXTURE

Family Type	Nebula series
Fixture Colours	Matt grey, matt black
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens
Ingress Protection	IP66
Safety Class	Class 3
DC Input Cable	Supplied with 1m cable

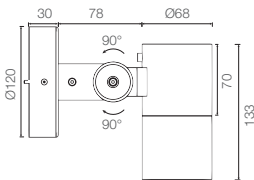
LED MODULE & DRIVER

Compatible LED Modules	50 series 24CV LED engines
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
CRI	High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98)
Driver (Dimming)	24V DC constant voltage non-dim, phase-dim, 0-10V, DALI

DIMENSIONS (MM)



(45 DEGREE
SNOOT)



(FULL SNOOT)

NEBULA 3

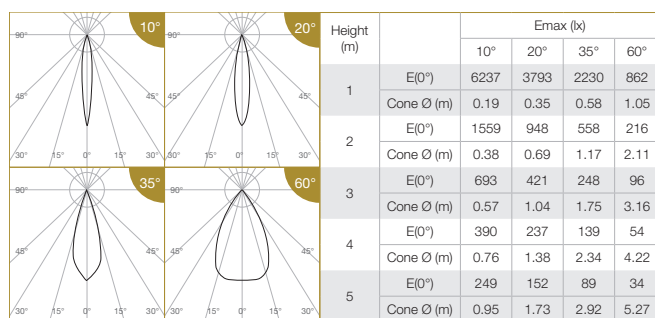
CANOPY 66 IK08

MODULAR CONCEPT



PHOTOMETRICS

50 PLE 24CV



Correction Factor:
 50PLE-24CV (10°) - f = 1.00
 50CLE-24CV (10°) - f = 1.00
 50CLE-24CV (20°, 35°, 60°) - f = 0.82
 50CLO-24CV (20°, 35°, 60°) - f = 0.82
 50CLO-24CV (10°) - f = 0.65
 50PLE-24CV (20°, 35°, 60°) - f = 1.00
 50CLE-24CV (20°, 35°, 60°) - f = 0.82
 50CLO-24CV (20°, 35°, 60°) - f = 0.70

ELR LED Module				50PLE	50CLE	50CLO
Input Power (24CV)				12W	10W	8W
Luminous Flux (lm)	24CV Single CCT (3000K)	Type	Beam Angle	CRI		
		High Efficiency Ra-85	10°	ProART Ra-95	718	592
				ProART98 Ra-98	611	503
				ProART98 Ra-98	502	414
		High Efficiency Ra-85	20°	ProART Ra-95	914	748
				ProART98 Ra-98	777	636
				ProART98 Ra-98	639	524
		High Efficiency Ra-85	35°	ProART Ra-95	924	757
				ProART98 Ra-98	786	643
				ProART98 Ra-98	647	530
		High Efficiency Ra-85	60°	ProART Ra-95	861	705
				ProART98 Ra-98	732	599
				ProART98 Ra-98	603	494

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-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

ORDERING MATRIX CHART

Fixture								
Type	Ingress Protection		Colour		Snoot		Accessories	
NEBULA-3CN								
	IP66	IP66	GR	Matt Grey	FS	Full Snoot	N	None
			MB	Matt Black	45S	45 Degree Snoot	AGL	Anti-Glare Louvre
							SL	Soft Lens
							LSL	Linear Spread Lens

example: NEBULA-3CN.IP66.GR.45S.N.ELR50PLE-24CV.35.27.PA

*Custom RAL colour options available.

Single CCT LED Module							
Input Power		Beam Angle		Colour Temp		CRI	
ELR50PLE-24CV	12W	10	10°	27	2700K	HE	Ra-85
ELR50CLE-24CV	10W	20	20°	30	3000K	PA	ProART
ELR50CLO-24CV	8W	35	35°	35	3500K	PP	ProART98
		60	60°	40	4000K		
				50	5000K		

*Drivers for 24CV LED modules are sold separately, please refer to recommended driver list.



Class 3



Constant
Current

NEBULA 3 CANOPY

IP 66 IK08

SPECIFICATIONS

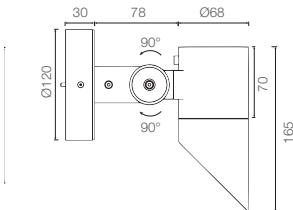
FIXTURE

Family Type	Nebula series
Fixture Colours	Matt grey, matt black
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens
Ingress Protection	IP66
Safety Class	Class 3
DC Input Cable	Supplied with 1m cable

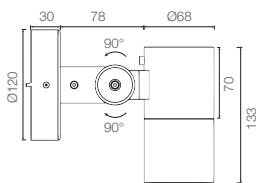
LED MODULE & DRIVER

Compatible LED Modules	50 series LED engines
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, 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)



(45 DEGREE
SNOOT)

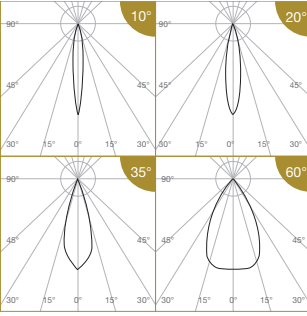


(FULL SNOOT)

NEBULA 3 CANOPY 66 IK08

PHOTOMETRICS

50 PLE



Height (m)		E _{max} (lx)			
		10°	20°	35°	60°
1	E(0°)	8361	5418	3186	1232
	Cone Ø (m)	0.19	0.35	0.58	1.05
2	E(0°)	2090	1355	797	308
	Cone Ø (m)	0.37	0.69	1.17	2.11
3	E(0°)	929	602	354	137
	Cone Ø (m)	0.56	1.04	1.75	3.16
4	E(0°)	523	339	199	77
	Cone Ø (m)	0.74	1.38	2.34	4.22
5	E(0°)	334	217	127	49
	Cone Ø (m)	0.93	1.73	2.92	5.27

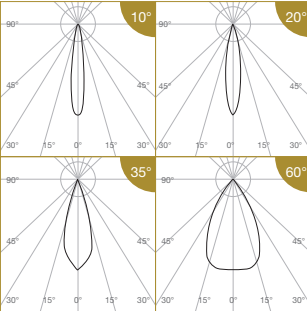
Correction Factor:
 50PLE (10°) - f = 1.00
 50CLE (10°) - f = 0.78
 50CLO (10°) - f = 0.62
 50PLE (20°, 35°, 60°) - f = 1.00
 50CLE (20°, 35°, 60°) - f = 0.80
 50CLO (20°, 35°, 60°) - f = 0.71

ELR LED Module				50PLE	50CLE	50CLO
LED Power				12W	10W	8W
System Power				15.2W	12.8W	11W
Luminous Flux (lm)	Type	Beam Angle	CRI			
	Single CCT (3000K)	10°	High Efficiency Ra-85	962	755	599
			ProART Ra-95	818	642	510
			ProART98 Ra-98	673	528	420
		20°	High Efficiency Ra-85	1305	1044	931
			ProART Ra-95	1109	887	792
			ProART98 Ra-98	914	731	652
		35°	High Efficiency Ra-85	1320	1056	942
			ProART Ra-95	1122	898	801
			ProART98 Ra-98	924	739	659
	60°	High Efficiency Ra-85	1230	984	877	
		ProART Ra-95	1046	836	746	
ProART98 Ra-98		861	689	614		

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-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

50 PLE WARM DIM



Height (m)		E _{max} (lx)			
		10°	20°	35°	60°
1	E(0°)	6608	5439	3199	1237
	Cone Ø (m)	0.27	0.35	0.58	1.05
2	E(0°)	1652	1360	800	309
	Cone Ø (m)	0.54	0.69	1.17	2.11
3	E(0°)	734	604	355	137
	Cone Ø (m)	0.81	1.04	1.75	3.16
4	E(0°)	413	340	200	77
	Cone Ø (m)	1.08	1.38	2.34	4.22
5	E(0°)	264	218	128	49
	Cone Ø (m)	1.35	1.73	2.92	5.27

ELR LED Module				50PLE
LED Power				12W
System Power				15.2W
Luminous Flux (lm)	Type	Beam Angle	CRI	
			ProART Ra-95	934
	Warm Dim (3100K)	10°	ProART Ra-95	1114
		20°		1126
		35°		1050
		60°		

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



NEBULA 3 CANOPY 66 IK08

PHOTOMETRICS

50 PLE tuneWHITE/flexiK

Height (m)		Emax (lx)			ELR LED Module				50PLE
		20°	35°	60°	LED Power				12W
1	E(0°)	4249	2499	966	System Power				15.2W
	Cone Ø (m)	0.35	0.58	1.05					
2	E(0°)	1062	625	242	Luminous Flux (lm)	Type	Beam Angle	CRI	ProART Ra-95
	Cone Ø (m)	0.69	1.17	2.11			20°		
E(0°)	472	278	107	35°			880		
Cone Ø (m)	1.04	1.75	3.16	60°		820			
E(0°)	266	156	60						
4	Cone Ø (m)	1.38	2.34	4.22	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)				
	E(0°)	170	100	39	Nominal CRI-95, equals to Ra>90-97, R9>50				
5	Cone Ø (m)	1.73	2.92	5.27					

50 PLE RGBW

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NEBULA 3

CANOPY 66 IK08

ORDERING MATRIX CHART

Fixture								
Type	Ingress Protection		Colour		Snoot		Accessories	
NEBULA-3CN	IP66	IP66	GR	Matt Grey	FS	Full Snoot	N	None
					45S	45 Degree Snoot	AGL	Anti-Glare Louvre
			MB	Matt Black			SL	Soft Lens
							LSL	Linear Spread Lens

Single CCT LED Module								Driver	
Input Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR50PLE	12W	10	10°	27	2700K	HE	Ra~85	ND	Non-Dim
ELR50CLE	10W	20	20°	30	3000K	PA	ProART	PH	Phase
ELR50CLO	8W	35	35°	35	3500K	PP	ProART98	AN	0-10V
		60	60°	40	4000K			DA	DALI
				50	5000K				

Warm Dim LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR50PLE	12W	10	10°	WD	Warm Dim	PA	ProART	PH	Phase
		20	20°					AN	0-10V
		35	35°					DA	DALI
		60	60°						

tuneWHITE LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR50PLE	12W	20	20°	TW1831	tuneWHITE 1800K-3100K	PA	ProART	DA	DALI
		35	35°	TW1840	tuneWHITE 1800K-4000K				
		60	60°	TW2765	tuneWHITE 2700K-6500K				

flexiK LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR50PLE	12W	20	20°	FK##	flexiK	PA	ProART	PH	Phase
		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	
ELR50PLE	12W	35	35°	RGBW	Red, Green, Blue, White
		60	60°		

*Drivers for RGBW LED modules are sold separately.

example: NEBULA-3CN.IP66.GR.45S.N.ELR50PLE.35.27.PA.DA

*Custom RAL colour options available.