

# NEBULA

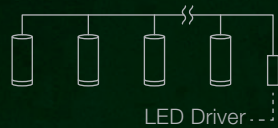
## OUTDOOR WALL MOUNT SERIES

Wall mounted luminaires in a variety of sizes and output 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.

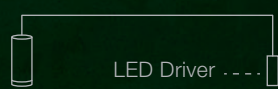
### External Driver



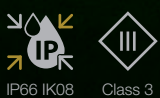
**Constant Voltage**  
Multiple LED module driven by a single LED driver



**Constant Current**  
Single LED module driven by a single LED driver



### Fixture Features



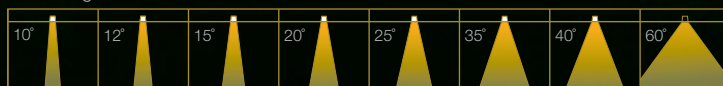
### Module Colour Temperature Variation



### Driver Dimming Variation



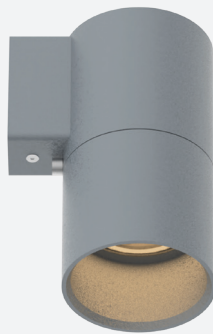
### Beam Angle



# NEBULA 3 WALL MOUNT

**IP 66 IK08**

DC CONSTANT VOLTAGE / CONSTANT CURRENT  
OUTDOOR WALL MOUNTED LUMINAIRE



#WALL MOUNT  
#DOWN

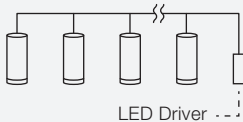


#WALL MOUNT  
#UP DOWN

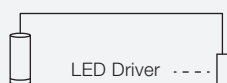
## EXTERNAL DRIVER



**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)



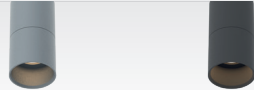
Converging Optical Lens Maximising LOR

## AVAILABLE OPTIONS

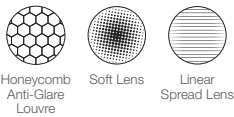
### FIXTURE COLOUR OPTIONS

MATT GREY RAL7001

MATT BLACK RAL9011



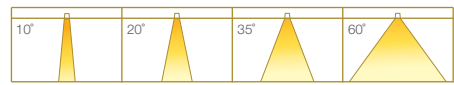
### ACCESSORIES



### LED MODULE CONSTANT VOLTAGE



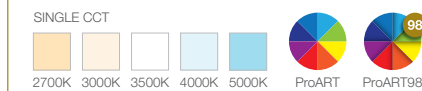
50PLE / 50CLE / 50CLO



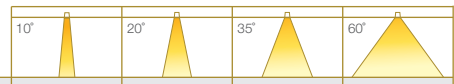
### CONSTANT CURRENT



50PLE / 50CLE / 50CLO



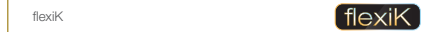
50PLE / 50CLE / 50CLO



50PLE



50PLE



50PLE



50PLE

	10°	20°	35°	60°
50PLE / 50CLE / 50CLO	✓	✓	✓	✓
50PLE	✓	✓	✓	✓
50PLE		✓	✓	✓
50PLE			✓	✓

\*\*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



\*Drivers for 24CV LED modules are sold separately.



Class 3



Constant Voltage

# NEBULA 3 WALL MOUNT

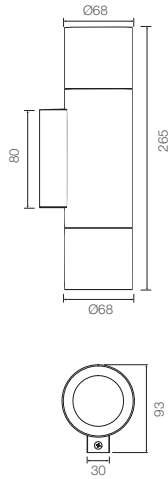
**IP 66 IK08**

## SPECIFICATIONS

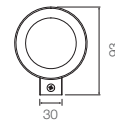
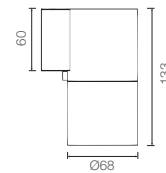
### FIXTURE

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
<b>LED MODULE &amp; DRIVER</b>	
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)



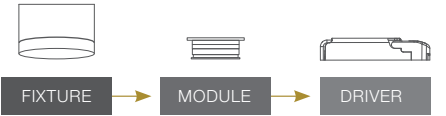
(UP DOWN)



(DOWN)

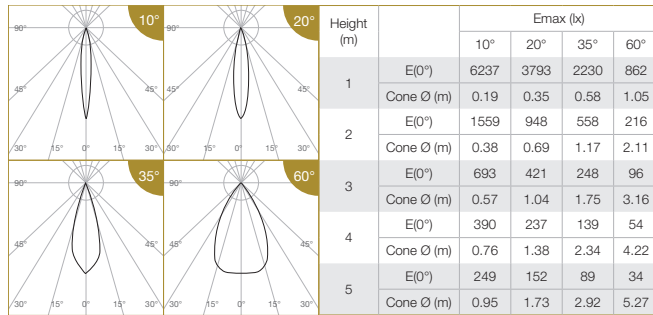
# NEBULA 3 WALL MOUNT 66 IK08

MODULAR CONCEPT



PHOTOMETRICS

50 PLE 24CV



Correction Factor:  
 50PLE-24CV (10°) - f = 1.00  
 50CLE-24CV (10°) - 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)	Type	Beam Angle	CRI	24CV Single CCT (3000K)		
				10°	High Efficiency Ra-85	718
				ProART Ra-95	611	397
				ProART98 Ra-98	502	326
				High Efficiency Ra-85	914	644
				ProART Ra-95	777	547
				ProART98 Ra-98	639	451
				High Efficiency Ra-85	924	651
				ProART Ra-95	786	554
				ProART98 Ra-98	647	456
				High Efficiency Ra-85	861	607
				ProART Ra-95	732	516
				ProART98 Ra-98	603	425

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

Type	Fixture							
	Ingress Protection		Shape		Colour		Accessories	
NEBULA-3WM	IP66	IP66	D	Down	GR	Matt Grey	N	None
			UD	Up/Down	MB	Matt Black	AGL	Anti-Glare Louvre
							SL	Soft Lens
							LSL	Linear Spread Lens

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
		40	40°	40	4000K		
		50	50°	50	5000K		

example: NEBULA-3WM.IP66.D.GR.N.ELR50PLE-24CV.35.27.PA

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

\*Custom RAL colour options available.



Class 3



Constant  
Current

# NEBULA 3 WALL MOUNT

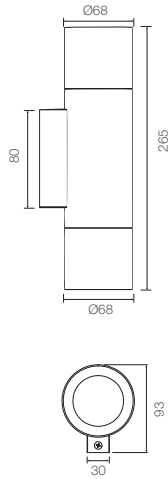
**IP 66 IK08**

## SPECIFICATIONS

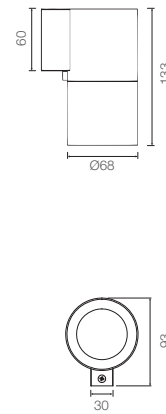
### FIXTURE

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
<b>LED MODULE &amp; DRIVER</b>	
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)



(UP DOWN)

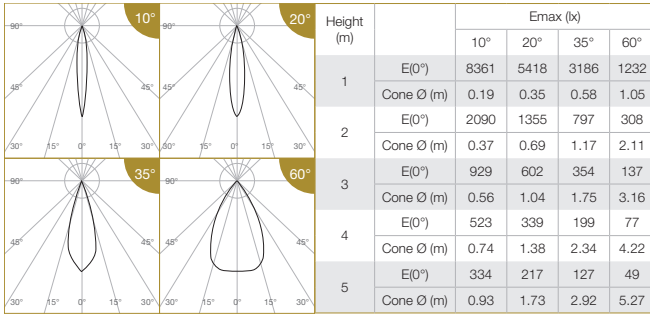


(DOWN)

# NEBULA 3 WALL MOUNT 66 IK08

PHOTOMETRICS

50 PLE



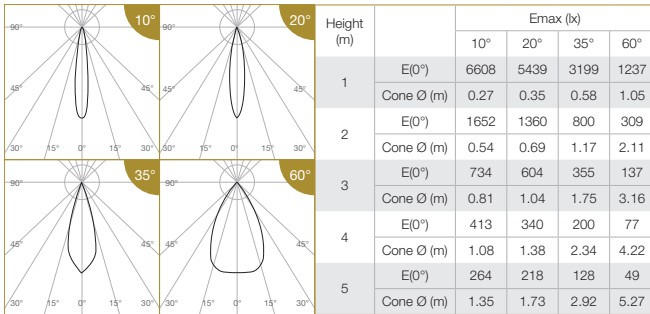
Correction Factor:  
 50PLE (10°) - f = 1.00  
 50CLE (10°) - f = 0.78  
 50CLO (10°) - f = 0.62  
 50PLE (20°, 35°, 60°) - f = 1.00  
 50CLE (20°, 35°, 60°) - f = 0.80  
 50CLO (20°, 35°, 60°) - f = 0.71

ELR LED Module				50PLE	50CLE	50CLO	
LED Power				12W	10W	8W	
System Power				15.2W	12.8W	11W	
Luminous Flux (lm)	Single CCT (3000K)	Type	Beam Angle	CRI			
		High Efficiency Ra-85	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



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

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

# NEBULA 3 WALL MOUNT IP 66 IK08

PHOTOMETRICS

50 PLE tuneWHITE/flexiK

Height (m)		E <sub>max</sub> (lx)			ELR LED Module			50PLE	
		20°	35°	60°					
1	E(0°)	4249	2499	966	LED Power			12W	
	Cone Ø (m)	0.35	0.58	1.05	System Power			15.2W	
2	E(0°)	1062	625	242	Luminous Flux (lm)	Type	Beam Angle	CRI	50PLE
	Cone Ø (m)	0.69	1.17	2.11		tuneWHITE / flexiK (4000K / 6500K)	20°		
3	E(0°)	472	278	107			35°		
4	E(0°)	266	156	60	60°	870			
	Cone Ø (m)	1.38	2.34	4.22	880				
5	E(0°)	170	100	39	820				
	Cone Ø (m)	1.73	2.92	5.27					

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

50 PLE RGBW

Height (m)		E <sub>max</sub> (lx)		ELR LED Module			50PLE	
		35°	60°					
1	E(0°)	1512	585	LED Power			12W	
	Cone Ø (m)	0.58	1.05	System Power			15.2W	
2	E(0°)	378	146	Luminous Flux (lm)	Type	Beam Angle	CRI	50PLE
	Cone Ø (m)	1.17	2.11		RGBW	35°		
3	E(0°)	168	65			60°		
4	E(0°)	94	37	496				
	Cone Ø (m)	2.34	4.22					
5	E(0°)	60	23					
	Cone Ø (m)	2.92	5.27					

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



# NEBULA 3 WALL MOUNT 66 IK08

ORDERING MATRIX CHART

Fixture										
Type	Ingress Protection		Shape		Colour		Accessories			
NEBULA-3WM	IP66	IP66	D	Down	GR	Matt Grey	N	None		
			UD	Up/Down	MB	Matt Black	AGL	Anti-Glare Louvre		
							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-3WM.IP66.D.GR.N.ELR50PLE.35.27.PA.DA

\*Custom RAL colour options available.