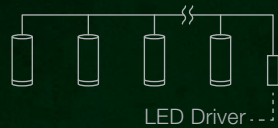


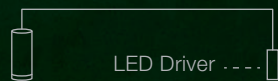
External Driver



Constant Voltage

Multiple LED module
driven by a single
LED driver

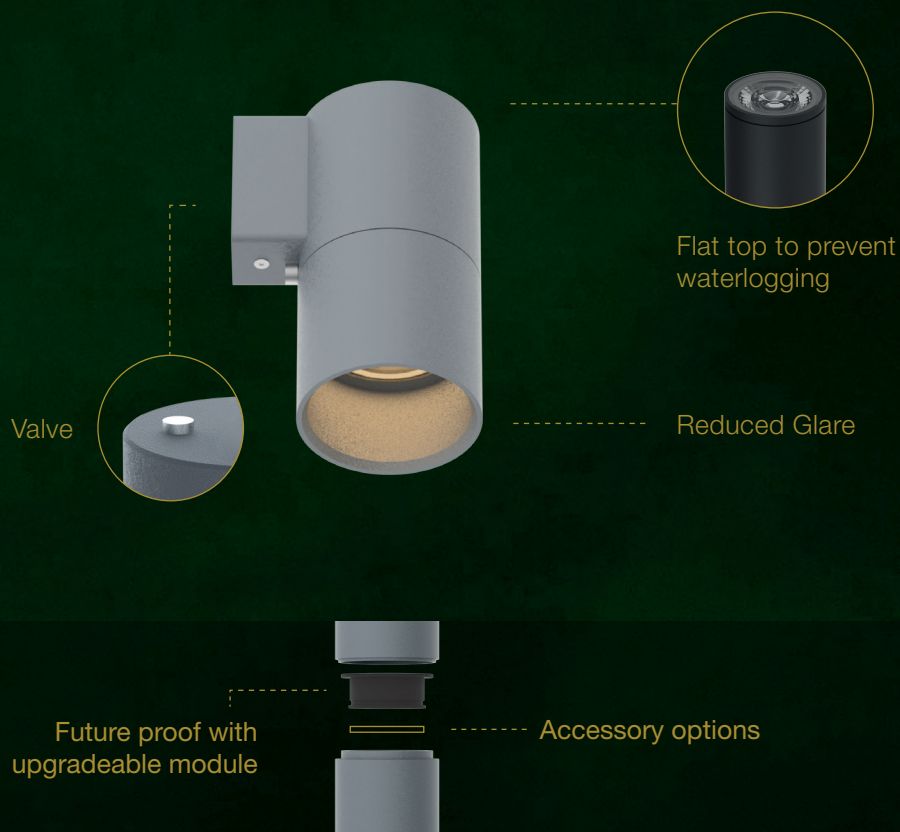
Constant Current

Single LED module
driven by a single
LED driver

NEBULA

OUTDOOR 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.



Fixture Features



IP66 IK08



Class 3



ProART



ProART98



WARM DIM



tuneWHITE



flexiK

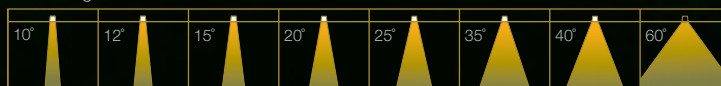


RGBW

Module Colour Temperature Variation



Beam Angle



Driver Dimming Variation



(ND)



(PH)



(AN)

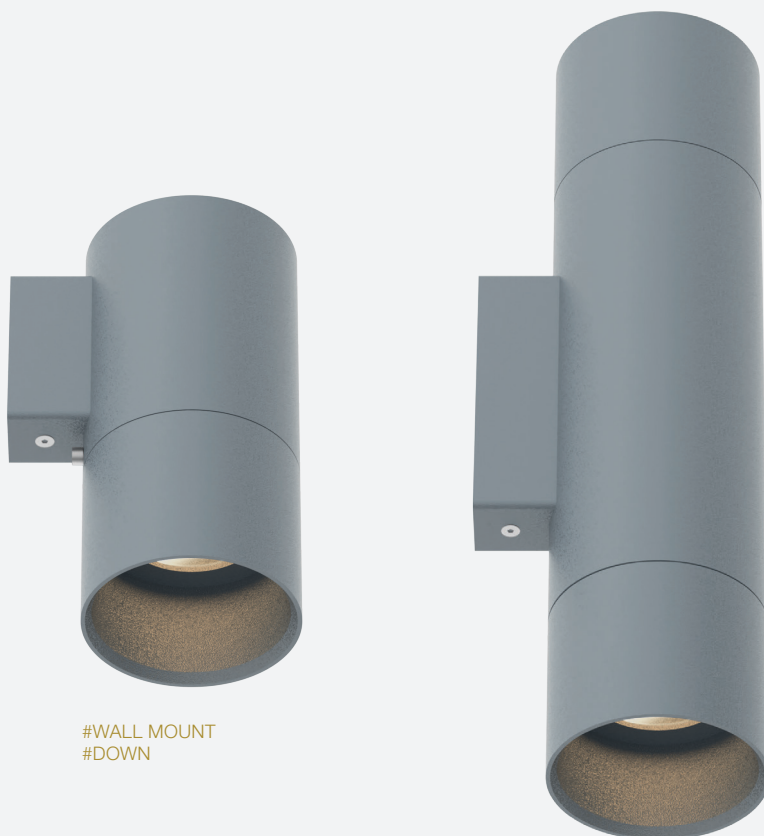


(DA)

NEBULA 4 WALL MOUNT

IP 66 IK08

DC CONSTANT VOLTAGE / CONSTANT CURRENT
OUTDOOR WALL MOUNTED LUMINAIRE



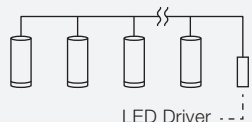
#WALL MOUNT
#DOWN

#WALL MOUNT
#UP DOWN

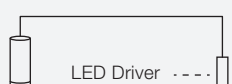
EXTERNAL DRIVER



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	 Honeycomb Anti-Glare Louvre  Soft Lens  Linear Spread Lens
LED MODULE CONSTANT VOLTAGE	 100PLE / 100CLE / 100CLO  2700K  3000K  3500K  4000K  5000K  ProART  ProART98  12°  20°  35°  60°
CONSTANT CURRENT	 100PLE / 100CLE / 100CLO SINGLE CCT  2700K  3000K  3500K  4000K  5000K  ProART  ProART98 WARM DIM  tuneWHITE  flexiK  RGBW  100PLE / 100CLE / 100CLO 100PLE 100PLE 100PLE  12°  20°  35°  60° ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
DRIVER DIMMING	 (ND)  (PH)  (AN)  (DA)

Drivers for 48CV LED modules are sold separately.

*Drivers for 48CV LED modules are sold separately.



Class 3



Constant
Voltage

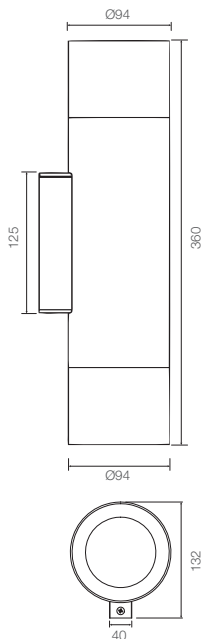
NEBULA 4 WALL MOUNT

IP 66 IK08

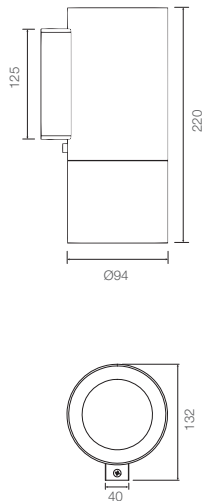
SPECIFICATIONS

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
LED MODULE & DRIVER	
Compatible LED Modules	100 series 48CV LED engines
Lifetime	Up to 50,000 hours L80 lamp life with LM80 tested LED chip packages
Beam Angles	12°, 20°, 35°, 60°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K
CRI	High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98)
Driver (Dimming)	48V DC constant voltage non-dim, 0-10V, DALI

DIMENSIONS (MM)



(UP DOWN)



(DOWN)

NEBULA 4 WALL MOUNT

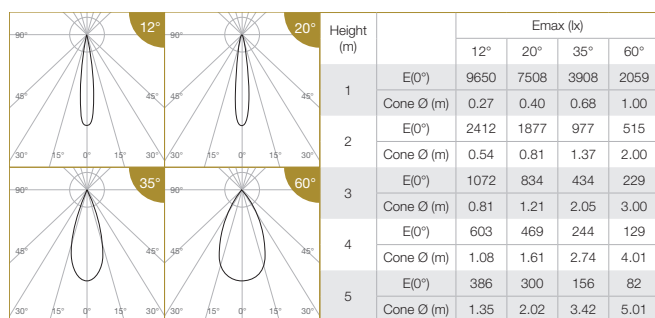
IP 66 IK08

MODULAR CONCEPT



PHOTOMETRICS

100 PLE 48CV



Correction Factor:
 100PLE-48CV - f = 1.00
 100CLE-48CV - f = 0.74
 100CLO-48CV - f = 0.52

ELR LED Module				100PLE	100CLE	100CLO
Input Power (48CV)				23W	17W	12W
Luminous Flux (lm)	48CV Single CCT (3000K)	Type	Beam Angle	CRI		
		High Efficiency Ra-85	12°	ProART Ra-95	1606	1190
				ProART98 Ra-98	1365	1012
				ProART98 Ra-98	1124	833
		High Efficiency Ra-85	20°	ProART Ra-95	1958	1451
				ProART Ra-95	1664	1234
				ProART98 Ra-98	1371	1015
		High Efficiency Ra-85	35°	ProART Ra-95	1980	1467
				ProART Ra-95	1683	1247
				ProART98 Ra-98	1386	1027
		High Efficiency Ra-85	60°	ProART Ra-95	1826	1353
				ProART Ra-95	1552	1150
				ProART98 Ra-98	1278	947

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		Shape		Colour	
NEBULA-4WM	IP66		D		GR	
	IP66		UD		MB	
					N	
					AGL	
					SL	
					LSL	

example: NEBULA-4WM.IP66.D.GR.N.ELR100PLE-48CV.35.30.PA

*Custom RAL colour options available.

Single CCT LED Module							
Input Power		Beam Angle		Colour Temp		CRI	
ELR100PLE-48CV	23W	12	12°	27	2700K	HE	Ra-85
ELR100CLE-48CV	17W	20	20°	30	3000K	PA	ProART
ELR100CLO-48CV	12W	35	35°	35	3500K	PP	ProART98
		60	60°	40	4000K		
				50	5000K		

*Drivers for 48CV LED modules are sold separately, please refer to recommended driver list.



Class 3



Constant
Current

NEBULA 4 WALL MOUNT

IP 66 IK08

SPECIFICATIONS

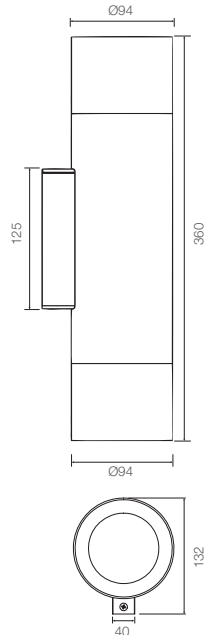
FIXTURE

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

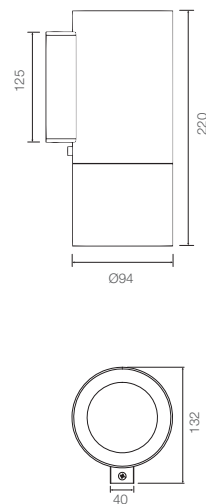
LED MODULE & DRIVER

Compatible LED Modules	100 series LED engines
Lifetime	Up to 50,000 hours L80 lamp life with LM80 tested LED chip packages
Beam Angles	12°, 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)



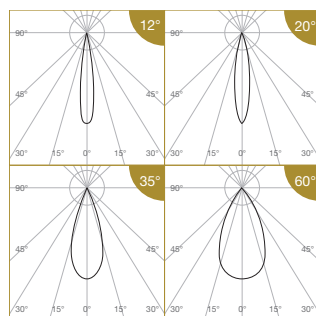
(DOWN)

NEBULA 4

WALL MOUNT 66 IK08

PHOTOMETRICS

100 PLE



Height (m)		Emax (lx)			
		12°	20°	35°	60°
1	E(0°)	13165	10242	5331	2809
	Cone Ø (m)	0.27	0.40	0.68	1.00
2	E(0°)	3291	2561	1333	702
	Cone Ø (m)	0.54	0.81	1.37	2.00
3	E(0°)	1463	1138	592	312
	Cone Ø (m)	0.81	1.21	2.05	3.00
4	E(0°)	823	640	333	176
	Cone Ø (m)	1.08	1.61	2.74	4.01
5	E(0°)	527	410	213	112
	Cone Ø (m)	1.35	2.02	3.42	5.01

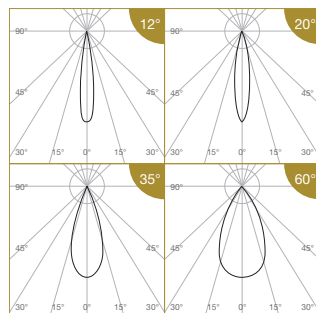
Correction Factor:
 100PLE - f = 1.00
 100CLE - f = 0.69
 100CLO - f = 0.50

ELR LED Module				100PLE	100CLE	100CLO
LED Power				23W	17W	12W
System Power				28W	21W	15.2W
Luminous Flux (lm)	Type	Beam Angle	CRI			
	Single CCT (3000K)	12°	High Efficiency Ra-85	2190	1504	1095
			ProART Ra-95	1862	1278	931
			ProART98 Ra-98	1533	1053	767
		20°	High Efficiency Ra-85	2670	1833	1335
			ProART Ra-95	2270	1558	1135
			ProART98 Ra-98	1869	1283	935
		35°	High Efficiency Ra-85	2700	1854	1350
			ProART Ra-95	2295	1576	1148
			ProART98 Ra-98	1890	1298	945
	60°	High Efficiency Ra-85	2490	1710	1245	
		ProART Ra-95	2117	1453	1058	
ProART98 Ra-98		1743	1197	872		

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

100 PLE WARM DIM



Height (m)		Emax (lx)			
		12°	20°	35°	60°
1	E(0°)	11358	8836	4600	2424
	Cone Ø (m)	0.27	0.40	0.68	1.00
2	E(0°)	2839	2209	1150	606
	Cone Ø (m)	0.54	0.81	1.37	2.00
3	E(0°)	1262	982	511	269
	Cone Ø (m)	0.81	1.21	2.05	3.00
4	E(0°)	710	552	287	151
	Cone Ø (m)	1.08	1.61	2.74	4.01
5	E(0°)	454	353	184	97
	Cone Ø (m)	1.35	2.02	3.42	5.01

ELR LED Module				100PLE
LED Power				23W
System Power				28W
Luminous Flux (lm)	Type	Beam Angle	CRI	
	Warm Dim (3100K)	12°	ProART Ra-95	1606
		20°		1958
		35°		1980
		60°		1826

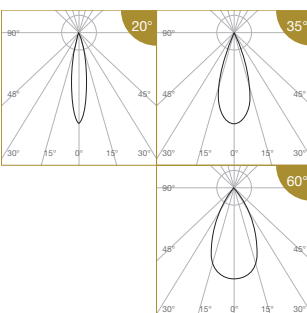
Data are based on maximum output at 3100K
 Nominal CRI-95, equals to Ra>90-97, R9>50



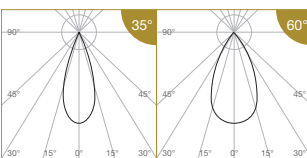
NEBULA 4 WALL MOUNT 66 IK08

PHOTOMETRICS

100 PLE tuneWHITE/flexiK

		Height (m)	Emax (lx)			ELR LED Module			100PLE			
						LED Power			23W			
						System Power			28W			
1	E(0°)	7631	3972	2093	Luminous Flux (lm)	Type	Beam Angle	CRI	ProART Ra-95			
	Cone Ø (m)	0.40	0.68	1.00		tuneWHITE / flexiK (4000K / 6500K)	20°			1691		
	2	E(0°)	1908	993			523			35°	1710	
		Cone Ø (m)	0.81	1.37			2.00				60°	1577
		E(0°)	848	441			233					
Cone Ø (m)		1.21	2.05	3.00								
3	E(0°)	477	248	131	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)	1.61	2.74	4.01								
4	E(0°)	305	159	84								
	Cone Ø (m)	2.02	3.42	5.01								

100 PLE RGBW

		Height (m)	Emax (lx)		ELR LED Module				100PLE	
			35°	60°	LED Power			22W		
		1	E(0°)	2122	1118	System Power			26W	
			Cone Ø (m)	0.68	1.00	Luminous Flux (lm)	Type	Beam Angle	CRI	
		2	E(0°)	531	280		RGBW	35°	N/A	914
			Cone Ø (m)	1.37	2.00			60°		842
		3	E(0°)	236	124		Data are based on maximum output of all 4 RGBW channels.			
			Cone Ø (m)	2.05	3.00					
		4	E(0°)	133	70					
			Cone Ø (m)	2.74	4.01					
5	E(0°)	85	45							
	Cone Ø (m)	3.42	5.01							

NEBULA 4

WALL MOUNT 66 IK08

ORDERING MATRIX CHART

Type	Fixture							
	Ingress Protection		Shape		Colour		Accessories	
NEBULA-4WM	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	
ELR100PLE	23W	12	12°	27	2700K	HE	Ra~85	ND	Non-Dim
ELR100CLE	17W	20	20°	30	3000K	PA	ProART	PH	Phase
ELR100CLO	12W	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	
ELR100PLE	23W	12	12°	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	
ELR100PLE	23W	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	
ELR100PLE	23W	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	
ELR100PLE	22W	35	35°	RGBW	Red, Green, Blue, White
		60	60°		

*Drivers for RGBW LED modules are sold separately.

example: NEBULA-4WM.IP66.D.GR.N.ELR100PLE.35.30.PA.DA

*Custom RAL colour options available.