

COMMLLED | LED LIGHTING SOLUTIONS

Lighting for Hazardous and Industrial Areas

Industrial Lighting

COMMLLED SOLUTIONS SP. Z O.O.

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- www.commled.eu

We are convinced that our leading role in future will also contribute to your success.



■ Low height region of pedestrian intensive, like offshore oil, chemical device platform, oil tankers of various channels, cabin, etc.

■ EX Mark: Ⓜ II 2G Ex d e op is IIC T5 Gb
Ⓜ II 2D Ex op is tb IIIC T95°C Db IP66
■ Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

EXCS5401



ATEX Cert No.: INERIS 15ATEX0052X
IECEX Cert No.: IECEX EUT 18.0014X

Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces Fluorescent lamp
EXCS5401—L2×10	100~240VAC	2×10W	1800	6.6	class I, zone1 & zone2, zone21 & zone22	780×180×110	2×20W
EXCS5401—L2×20		2×20W	3600	10.7		1390×180×110	2×40W



■ Suitable for oil production platform, oil refining platform, living platform, hazardous chemicals ships, shore machines and other hazardous areas.

■ EX Mark: Ⓜ II 2G Ex eb mb op is IIC T6/T5/T4 Gb
Ⓜ II 2D Ex tb op is IIIC T80°C/T95°C/T130°C Db
■ Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2"

EXCS5402A



ATEX Cert No.: SEV 19 ATEX 0166 X
IECEX Cert No.: IECEX SEV 19.0029

Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces Fluorescent lamp
EXCS5402A—L30	120~240VAC	30W	3300	3.2	class I, zone1 & zone2, zone21 & zone22	700×182×68	50~70W
EXCS5402A—L40		40W	4400	3.4		100W	
EXCS5402A—L60		60W	6300	4.5		1150×182×68	150W
EXCS5402A—L80	200~240VAC	80W	8400	4.7			175W



■ Suitable for oil production platform, oil refining platform, living platform, hazardous chemicals ships, shore machines and other hazardous areas.

■ EX Mark: Ⓜ II 3G Ex nR IIC T6 Gc
Ⓜ II 3D Ex tc IIIC T80°C
■ Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2"

EXCS5402B



ATEX Cert No.: SEV 19 ATEX 0152
IECEX Cert No.: IECEX SEV 18.0031

Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces energy saving lamp
EXCS5402B—L20	100~240VAC	20W	2200	3.2	zone2, & zone22	700×182×68	40W
EXCS5402B—L40		40W	4400	3.4		100W	
EXCS5402B—L60		60W	6300	4.5		1150×182×68	150W
EXCS5402B—L80	200~240VAC	80W	8400	4.7			175W



■ Suitable for equipment area, stacking and stockyard, like petrochemical plants, chemical plants, pharmaceutical plants, etc.

■ EX Mark: Ⓜ II 2G Ex d IIB T6 Gb
Ⓜ II 2D Ex tb IIIC T80°C Db IP66
■ Cable Entry: G3/4"

EXCS9101




ATEX Cert No.: INERIS 15ATEX0062X
IECEX Cert No.: IECEX INE 15.0019X

Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces MH
EXCS9101—L25H	100~277VAC	25W	2800	9	class I, zone1 & zone2, zone21 & zone22	326×370×88	70W
EXCS9101—L40H		40W	4200				100W
EXCS9101—L60H		60W	5900				150W
EXCS9101—L80H		80W	7200				175W
EXCS9101—L25L	20~39VAC/ 20~50VDC	25W	2800	9		326×370×88	70W
EXCS9101—L40L		40W	4200				100W

Ex **IECEx** **ATEX** **IP 66** **Ta 40/55** **Ta -40**

EXCS9102



ATEX Cert No.: SEV 21 ATEX 0500 X
IECEx Cert No.: IECEx SEV 21.0002X

Suitable for the environment of flammable gas, steam and dust environment, such as Petrochemical Plant, Chemical Plant, Coal Washery, Pharmaceutical Factory, etc.

EX Mark: Ex db e IIC T4/T5/T6 Gb
Ex tb IIIC T130°C/T95°C/T80°C Db
Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2"


Type	Rated voltage (V)	Wattage (W)	Light efficacy (lm/W)	Net weight (kg)	Application	Size (mm) / Module Number
EXCS9102S	120~270VAC	60W	>110lm/W	5	class I, zone 1 & zone2, zone21 & zone22	335(L)×212×93/ 1 module
		100W/120W		8.3		335(L)×336×93/ 2 module
		150W/180W		12.4		338(L)×462×93/ 3 module
		240W		15.8		338(L)×586×93/ 4 module
		300W		19.1		338(L)×710×93/ 5 module

*Other wattage not listed can be chosen depends on clients' requirement.
*Road lighting mounted type could be chosen with "R" mark for 30W~240W with customized accessories.

CCT: 3000K, 4000K, 5000K

Ex **CE** **IP 65** **Ta 50** **Ta -40**

EXCS9200



ATEX Cert No.: IMQ 20 ATEX 047X
IECEx Cert No.: IECEx IMQ 20.0005X


Low height region like petrochemical plants, chemical plants, power distribution room, cable channel of power plant, etc.

EX Mark: Ex d e IIC T6 Gb
Cable Entry: M20×1.5

Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces energy saving lamp
EXCS9200—L6	100~240VAC	6W	500	1.3	class I, zone1 & zone2	Ø150×140	18W
EXCS9200—L12		12W	1000				22W
EXCS9200—L20		20W	1500				45W
EXCS9200—L6D	20~39VAC/ 20~50VDC	6W	500	1.3	Ø150×140	18W	
EXCS9200—L12D	12W	1000	22W				

Ex **IECEx** **ATEX** **IP 66** **Ta 40/55** **Ta -40**

EXCS9302P



ATEX Cert No.: CNEX 19 ATEX 0035 X
IECEx Cert No.: IECEx CNEX 19.0026X

Suitable for equipment platform, equipment layer area, main and auxiliary workshop, channel, pipeline, joint station, transfer station, pump valve shed, tank, material sample, plank road, warehouse room, warehouse, etc.

EX Mark: II 2G Ex db op is IIC T5/ T6 Gb
II 2D Ex tb op is IIIC T95°C / T80°C Db
Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"


Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces MH
EXCS9302P—L30—200*	100~240VAC/ 120~270VAC	30W	2700	5.5	class I, zone1 & zone2, zone21 & zone22	Ø240×220	70W
EXCS9302P—L40—200*		40W	3600				100W
EXCS9302P—L50—200*		50W	4500				100W
EXCS9302P—L60—200*		60W	5600				150W
EXCS9302S—L30—200*	100~240VAC/ 120~270VAC	30W	2700	5.5	class I, zone1 & zone2, zone21 & zone22	Ø240×220	70W
EXCS9302S—L40—200*		40W	3600				100W
EXCS9302S—L50—200*		50W	4500				100W
EXCS9302S—L60—200*		60W	5600				150W

*The lamp can be matched with a falt lens: 80°.
*The rated voltage of 30W/ 40W/ 50W/ 60W could be chosen as 20~39VAC/ 20~50VDC low voltage.

CCT: 3000K, 4000K, 5000K

Ex **ATEX** **CE** **IP 66** **Ta 50** **Ta -40**

EXCS9303



ATEX Cert No.: INERIS 13 ATEX 0034 X


Low and medium installation height region, like oil production, oil refining equipment platforms, chemical plants, petrochemical plants, pharmaceutical plants, polishing plants, etc.

EX Mark: II 2G Ex d IIB T6 Gb
II 2D Ex tb IIIC T80°C Db IP66
Cable Entry: G3/4"

Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces MH
EXCS9303—L25H	100~240VAC	25W	2400	4	class I, zone1 & zone2, zone21 & zone22	Ø240×160	50~70W
EXCS9303—L40H		40W	4300				100W
EXCS9303—L60H		60W	5800				150W
EXCS9303—L25L	20~39VAC/ 20~50VDC	25W	2400	4	Ø240×160	50~70W	
EXCS9303—L40L	40W	4300	100W				

Ex **IECEx** **ATEX** **IP 66** **Ta 40/55** **Ta -40**

EXCS9304P



ATEX Cert No.: IMQ 20 ATEX 047X
IECEx Cert No.: IECEx IMQ 20.0005X

Suitable for petroleum exploration, oil refining, chemical industry, and electric power, etc.


EX Mark: II 2G Ex db eb IIC T6/ T5 Gb
II 2D Ex tb IIIC T80°C/ T95°C Db
Cable Entry: M25×1.5, NPT3/4", G3/4" (Standard); G1/2, M20×1.5, NPT1/2" (attached with reducer union)

Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces MH
EXCS9304P—L80	100~277VAC	80W	8873	6.8	class I, zone1 & zone2, zone21 & zone22	Ø302×249	175W
EXCS9304P—L100		100W	12675				250W
EXCS9304P—L120		120W	14803				250~400W
EXCS9304S—L80	100~277VAC	80W	8873	6.8	class I, zone1 & zone2, zone21 & zone22	Ø302×249	175W
EXCS9304S—L100		100W	12675				250W
EXCS9304S—L120		120W	14803				250~400W

*CCT: 3000K, 4000K, 5000K.

Ex **IECEx** **ATEX** **CE** **RoHS** **IP 66** **Ta 40/55** **Ta -50**

EXCS9306P



ATEX Cert No.: EPT16 ATEX 2484 X
IECEx Cert No.: IECEx EUT 17.0011X

Suitable for oilfield, chemical industry, offshore drilling platform, ship, cruise, steel industry, petroleum etc.

EX Mark: II 2G Ex db e IIC T6/ T5/ T4 Gb
II 2D Ex tb IIIC T80°C/ T95°C/ T130°C Db
Cable Entry: M20×1.5, NPT3/4", G3/4" (P type)


Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces MH
EXCS9306P—L30	100~240VAC	30W	3500	4.2	class I, zone1 & zone2, zone21 & zone22	Ø230×270	70W
EXCS9306P—L40		40W	4600				100W
EXCS9306P—L50		50W	5600				100~150W
EXCS9306P—L60		60W	7000				150W
EXCS9306P—L80		80W	8800				175W
EXCS9306S—L30		100~240VAC	30W				3500
EXCS9306S—L40	40W		4600	100W			
EXCS9306S—L50	50W		5600	100~150W			
EXCS9306S—L60	60W		6900	150W			
EXCS9306S—L80	80W		8800	175W			

*The lamp can be matched with a lens: 18°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°
*The rated voltage of 30W/ 40W/ 50W/ 60W could be chosen as 20~39VAC/ 20~50VDC low voltage.

CCT: 3000K, 4000K, 5000K.

Ex **IECEx** **ATEX** **CE** **RoHS** **LM79** **IP 66** **Ta 40/55** **Ta -50**

EXCS9307P



ATEX Cert No.: EPT16 ATEX 2484 X
IECEx Cert No.: IECEx EUT 17.0011X

Suitable for oilfield, chemical industry, offshore drilling platform, ship, cruise, steel industry, petroleum etc.

EX Mark: II 2G Ex db e IIC T4/ T3 Gb
II 2D Ex tb IIIC T130°C/ T195°C Db
Cable Entry: M20×1.5, NPT1/2" (P type/ S type)
M25×1.5, NPT3/4", G3/4" (P type)

Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces MH
EXCS9307P—L100	100~240VAC	100W	11500	6.4	class I, zone1 & zone2, zone21 & zone22	Ø300×290	250W
EXCS9307P—L120		120W	13200				250~400W
EXCS9307P—L150		150W	16800				400W
EXCS9307P—L200		200W	23700				400~600W
EXCS9307P—L240	240W	28400	600~800W				
EXCS9307S—L100	100~240VAC	100W	11500	7.5	class I, zone1 & zone2, zone21 & zone22	295×330×350	250W
EXCS9307S—L120		120W	13200				250~400W
EXCS9307S—L150		150W	16800				400W
EXCS9307S—L200		200W	23300				400~600W
EXCS9307S—L240		240W	28400				600~800W

*The lamp can be matched with a lens: 18°/ 25°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°.
CCT: 3000K, 4000K, 5000K

■ Suitable for oil drilling, refining platform, chemical petrol factory, pharmaceutical factory, polishing factory, etc.

■ EX Mark: Ex d IIC T4/ T5/ T6 Gb
Ex ID A21 T130°C/ T95°C/ T80°C
■ Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

Ex	Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces MH			
LM79 LM84 IP 66 Ta 40/55 Ta -40	EXCS9308P				3	class 1, zone1 & zone2, zone21 & zone22	Ø230×170	EXCS9308P—L30	30W	3500	70W
	EXCS9308P—L40		40W	4600				100W			
	EXCS9308P—L50		50W	5600				100-150W			
	EXCS9308P—L60		60W	7000				150W			
	EXCS9308P—L80		200-240VAC	80W				8800	175W		
	EXCS9308S							3.7	class 1, zone1 & zone2, zone21 & zone22	180×230×270	EXCS9308S—L30
EXCS9308S—L40		40W	4600	100W							
EXCS9308S—L50		50W	5600	100-150W							
EXCS9308S—L60		60W	6900	150W							
EXCS9308S—L80		200-240VAC	80W	8800	175W						

*The lamp can be matched with a lens: 18°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°. CCT: 3000K, 4000K, 5000K
*The rated voltage of 30W/40W/50W/60W could be chosen as 20-39VAC/20-50VDC low voltage.

■ Suitable for ultra-high area, high temperature and high humidity area and vibration environment, like docks, offshore airports, container yard of transfer station, stockyard, ultra-high plant, etc.

■ EX Mark: Ex II 3 G Ex nR IIC T4/ T3 Gc
Ex II 2 D Ex tb IIC T130°C/ T195°C, Db
■ Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

ATEX	Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size(mm)	Replaces MH			
LM79 LM84 IP 66 Ta 55 Ta -40	EXCS9309S				13	zone2, zone21 & zone22	602×250×340	EXCS9309S—L240	240W	27200	600W
	EXCS9309S—L300		300W	34600				600-1000W			
	EXCS9309S—L400		400W	46600				1000W			
	EXCS9309S—L480		480W	56800				>1000W			
	EXCS9309S—L240—18°		240W	23000				600W			
	EXCS9309S—L300—18°		300W	29200				600-1000W			
EXCS9309S	EXCS9309S—L400—25°		400W	43000	1000W						
	EXCS9309S—L480—25°		480W	51500	>1000W						

*The lamp can be matched with a lens: 18°/25°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°. CCT: 3000K, 4000K, 5000K

■ Suitable for high installation height in moist corrosive environment, such as offshore drilling platform, oil Terminal, etc. Ideal to be used in the environment of flammable gas, steam and dust environment, such as petrochemical plant, chemical Plant, coal washery, pharmaceutical factory, etc.

■ EX Mark: Ex II 2 G Ex db IIC T5/ T4/ T3 Gb
Ex II 2 D Ex tb IIC T95°C/ T130°C/ T195°C Db
■ Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

ATEX	Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Application	Size (mm)	Replaces MH			
LM79 LM84 IP 66 Ta 40/55 Ta -40	EXCS9700				6.3	class 1, zone1 & zone2, zone21 & zone22	300×202×332	EXCS9700—L60	60W	6800	150W
	EXCS9700—L80		80W	8900				175W			
	EXCS9700—L100		100W	11600				250W			
	EXCS9700—L120		120W	13400				250-400W			
	EXCS9700—L150		150W	16100				400W			
	EXCS9700—L200		200W	22700				>400W			

*Other beam angle available: 40°, 60°, 80°, 100°, 60°×80°, 90°×110°. CCT: 3000K, 4000K, 5000K

■ Used as a junction box and accessory for lighting equipment installed in hazardous areas like petrochemical plants, chemical plants, pharmaceutical factory, polishing plant, etc.

■ EX Mark: Ex II 2 G Ex db IIC T6 Gb
Ex II 2 D Ex tb IIC T80°C Db IP66
■ Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

ATEX	Type	Rated voltage (V)	Current (A)	Net weight (kg)	Application	Size (mm)	Inlet Thread
IP 66 Ta 60 Ta -50	EXCS01A	≤500V	20	1.2	class 1, zone1 & zone2, zone21 & zone22	185×185×75	G3/4"
	EXCS01B						M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"
	EXCS02	≤500V	20	0.8	class 1, zone1 & zone2, zone21 & zone22	116×116×76	M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

*Material is 304 stainless steel

Explosion Proof Coal Mine Lights **COMLED** LED LIGHTING SOLUTIONS

■ Flood light in this series can be used for stationary local illumination in coal mines and in other places on explosive hazardous gas(methane-mixtures), coal dust, etc. like coal mine tunnel, cavern, substations, pump room, etc.

■ EX Mark: Ex d I Mb

■ Cable Entry: G3/4"

MA	Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH			
CE Ta 40 Ta -20	EXCS24/127L(A) EXCS35/127L(A) EXCS48/127L(A)				4.1	422×177×77	EXCS24/127L(A)	24W	2000	70W
	EXCS35/127L(A)		35W	3200			100W			
	EXCS48/127L(A)		48W	3900			100-150W			

■ Flood light in this series can be used for stationary local illumination in coal mines and in other places on explosive hazardous gas(methane-mixtures), coal dust, etc. like coal mine tunnel, cavern, substations, pump room, etc.

■ EX Mark: Ex d I Mb

■ Cable Entry: G3/4"

MA	Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH			
Ta 55 Ta -40	EXCS45/127L(A) EXCS60/127L(A)				5.2	Ø240×245	EXCS45/127L(A)	45W	3600	50W
	EXCS60/127L(A)		60W	4800			70W			

■ Flood light in this series can be used for stationary local illumination in coal mines and in other places on explosive hazardous gas(methane-mixtures), coal dust, etc. like coal mine tunnel, cavern, substations, pump room, etc.

■ EX Mark: Ex d I Mb

■ Cable Entry: G3/4"

MA	Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH			
Ta 40 Ta -20	EXCS20/127L(C) EXCS30/127L(C) EXCS45/127L(C)				2.7	Ø230×180	EXCS20/127L(C)—P	20W	1950	50W
	EXCS30/127L(C)—P		30W	2750			70W			
	EXCS45/127L(C)—P		45W	4100			100W			

■ Flood light in this series can be used for stationary local illumination in coal mines and in other places on explosive hazardous gas(methane-mixtures), coal dust, etc. like coal mine tunnel, cavern, substations, pump room, etc.

■ EX Mark: Ex d I Mb

■ Cable Entry: G3/4"

MA	Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH			
Ta 40 Ta -20	EXCS20/127L(C) EXCS30/127L(C) EXCS45/127L(C)				3.2	218×230×268	EXCS20/127L(C)—S	20W	1950	50W
	EXCS30/127L(C)—S		30W	2750			70W			
	EXCS45/127L(C)—S		45W	4100			100W			

■ Flood light in this series can be used for stationary local illumination in coal mines and in other places on explosive hazardous gas(methane-mixtures), coal dust, etc. like coal mine tunnel, cavern, substations, pump room, etc.

■ EX Mark: Ex d I Mb

■ Cable Entry: G3/4"

MA	Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH				
Ta 40 Ta -20	EXCS30/127L(A)				4.4	Ø200×218	EXCS30/127L(A)	100-240VAC	30W	2600	70W

*Material is 304 stainless steel

■ Power plants, substations, chemical plants, metallurgical plants and other indoor and outdoor lighting. ■ Cable Entry: M16



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS8101—L25	100~240VAC	25W	2800	4.7	300×300×75	70W
CS8101—L40		40W	4200			100W
CS8101—L60		60W	5900			150W
CS8101—L80		80W	7200			175W
CS8101—L25D	20~39VAC/ 20~50VDC	25W	2800	4.7	300×300×75	70W
CS8101—L40D		40W	4200			100W
CS8101—L60D		60W	5900			150W
CS8101—L80D		80W	7200			175W

■ Power plants, substations, chemical plants, metallurgical plants, docks and other indoor and outdoor lighting. ■ Cable Entry: M16



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS8102—L80	100~277VAC	80W	8800	5.2	322×363×150	175W~250W
CS8102—L100		100W	11000			250W
CS8102—L120		120W	12200	6.2	417×363×150	250W~400W
CS8102—L150		150W	16500			400W
CS8102—L180		180W	18900			400W~600W
CS8102—L240		240W	25200			600W
CS8102—L300	300W	31500	8.2	607×363×150	600~1000W	

*The lamp can be matched with a lens: 80°×100°.

■ Power plants, substations, chemical plants, metallurgical plants, docks and other indoor and outdoor lighting. ■ Cable Entry: M20



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS8302—L80	100~277VAC	80W	7600	8	380×270×427	150W
CS8302—L100		100W	9000			175W
CS8302—L120		120W	10200			175~250W
CS8302—L150		150W	11250			250~400W

*The lamp can be matched with a lens: 5°(80~120W), 50°(80~150W). CCT: 3000K, 4000K, 5000K

■ Suitable for plant lighting to high, medium and low installation height region with demanding high temperature performance. ■ Cable Entry: G3/4"



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS8501—L80	100~277VAC	80W	7600	7.5	Ø380×270	150W
CS8501—L100		100W	9000			175W
CS8501—L120		120W	10200			175~250W
CS8501—L150		150W	11250			250~400W

*The lamp can be matched with a lens: 50°, 65°. CCT: 3000K, 4000K, 5000K

■ Suitable for oil drilling, refining platform, chemical petrol factory, pharmaceutical factory, polishing factory, etc.



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS8502—L60	100~277VAC	60W	7000	2.2	Ø230×175	150W
CS8502—L80		80W	8800	2.6	Ø230×180	175W
CS8502—L100		100W	11600			250W
CS8502—L120		120W	12700	4.8	Ø300×235	250~400W
CS8502—L150		150W	16800			400W
CS8502—L200		200W	23700			400W~600W

*The lamp can be matched with a lens: 25°, 40°, 60°, 80°, 100°, 200°. CCT: 3000K, 4000K, 5000K

■ Suitable for low installation height region in high temperature, high humidity and vibration corrosive environments, like offshore platforms, ship transport corridors, passages, etc. ■ Cable Entry: M20×1.5, NPT1/2" (P type/ S type) M25×1.5, NPT3/4", G3/4" (P type)



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS8603P—L30	100~277VAC	30W	3500	4.2	Ø230×270	70W
CS8603P—L40		40W	4600			100W
CS8603P—L50		50W	5600			100~150W
CS8603P—L60		60W	7000			150W
CS8603P—L80		80W	8800			175W
CS8603P—L30		100~277VAC	30W			3500
CS8603S—L40	40W		4600	100W		
CS8603S—L50	50W		5600	100~150W		
CS8603S—L60	60W		6900	150W		
CS8603S—L80	80W		8800	175W		

*The lamp can be matched with a lens: 18°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110° CCT: 3000K, 4000K, 5000K.
*The rated voltage of 30W/40W/50W/60W could be chosen as 20~39VAC/20~50VDC low voltage.

■ Suitable for low installation height region in high temperature, high humidity and vibration environment, like offshore platforms, ship transport corridors, passages, etc. ■ Cable Entry: M20×1.5, NPT1/2" (P type/ S type) M25×1.5, NPT3/4", G3/4" (P type)



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS8605P—L100	100~277VAC	100W	11500	6.4	Ø300×290	250W
CS8605P—L120		120W	13200			250~400W
CS8605P—L150		150W	16800			400W
CS8605P—L200		200W	23700			400~600W
CS8605P—L240		240W	29100			600~800W
CS8605P—L300		300W	31500			600~1000W
CS8605S—L100	100~277VAC	100W	11800	7.5	295×330×350	250W
CS8605S—L120		120W	13600			250~400W
CS8605S—L150		150W	17300			400W
CS8605S—L200		200W	23300			400~600W
CS8605S—L240		240W	28400			600~800W
CS8605S—L300		300W	31500			600~1000W
CS8605S—L100—18°	100~277VAC	100W	10000	8	295×350×350	250W
CS8605S—L120—18°		120W	11500			250~400W
CS8605S—L150—18°		150W	14600			400W
CS8605S—L200—25°		200W	21500			400~600W
CS8605S—L240—25°		240W	25500			600~800W

*The lamp can be matched with a lens: 18°/25°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°. CCT: 3000K, 4000K, 5000K

■ Suitable for ultra-high area, high temperature and high humidity area and vibration environment, like docks, offshore airports, container yard of transfer station, stockyard, ultra-high plant, etc. ■ Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS8606S—L240	100~277VAC	240W	27200	13	602×250×340	600W
CS8606S—L300		300W	34600			600~1000W
CS8606S—L400		400W	46600			1000W
CS8606S—L480		480W	56800			>1000W
CS8606S—L240—18°	100~277VAC	240W	23000	14	602×270×340	600W
CS8606S—L300—18°		300W	29200			600~1000W
CS8606S—L400—25°		400W	43000			1000W
CS8606S—L480—25°		480W	51500			>1000W

*The lamp can be matched with a lens: 18°/25°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110°. CCT: 3000K, 4000K, 5000K

Emergency Lights

- Low installation height region in high temperature and humidity and moderately corrosive environments, like Power plants, chemical plants, metallurgical plants transport corridors, etc.
- Cable Entry: G3/4", M25×1.5



CS8607P



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS8607P—L30	100~240VAC	30W	3500	3	Ø230×170	70W
CS8607P—L40		40W	4600			100W
CS8607P—L50		50W	5600			100~150W
CS8607P—L60		60W	7000			150W
CS8607P—L80	200~240VAC	80W	8800			175W
CS8607S—L30	100~240VAC	30W	3500	3.7	180×230×270	70W
CS8607S—L40		40W	4600			100W
CS8607S—L50		50W	5600			100~150W
CS8607S—L60		60W	6900			150W
CS8607S—L80	200~240VAC	80W	8800			175W

*The lamp can be matched with a lens: 18°, 40°, 60°, 80°, 100°, 200°, 60°×80°, 90°×110° CCT: 3000K, 4000K, 5000K.
 *The rated voltage of 30W/40W/50W/60W could be chosen as 20~39VAC/20~50VDC low voltage.



EXCS5401 (Emergency)



- Low height region of pedestrian intensive, like offshore oil, chemical device platform, oil tankers of various channels, cabin, etc.
- EX Mark: Ⓜ I 2G Ex d e op is IIC T5 Gb Ⓜ I 2D Ex op is Ib IIC T95°C Db IP66
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

Type	Rated voltage (V)	Wattage (W)	Emergency wattage (W)	Light output (lm)	Emergency duration (min)	Net weight (kg)	Application	Size (mm)	Replaces Fluorescent lamp
EXCS5401—L2×10	100~240VAC	2×10W	1×10W	1800(Normal)/900(Emergency)	180min	6.6(Lamp)/2.9(Emergency box)	class I, zone1, &zone2, zone21, &zone22	780×180×110	2×20W
EXCS5401—L2×20									

*Equipped with explosion proof emergency box BXP01; only one tube lighting when emergency.

- Suitable for road of variety industrial plant area.



CS8702



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces HPS
CS8702—L60	100~277VAC	60W	6600	6.5	520×315×100	150W
CS8702—L80		80W	8800			150W~250W
CS8702—L100		100W	11000			250W
CS8702—L120		120W	13200	250~400W		
CS8702—L150		150W	16500	7.5	615×315×100	400W
CS8702—L180		180W	18900			400~600W
CS8702—L240	240W	25200	8.5	710×315×100	600W	

- Suitable for low installation height area of variety industrial plants ducts, power distribution, walkways, etc.



CS8800



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces Fluorescent lamp
CS8800—L6	100~240VAC	6W	600	1	180×130×66	12W
CS8800—L12		12W	1200			22W
CS8800—L20		20W	1700			45W
CS8800—L6D	20~39VAC/20~50VDC	6W	600	1	180×130×66	12W
CS8800—L12D		12W	1200			22W

- Suitable for hemical plants, docks, metallurgical plants and other high-temperature performance for demanding industrial environments.
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"



CS9710



Type	Rated voltage (V)	Wattage (W)	Light output (lm)	Net weight (kg)	Size (mm)	Replaces MH
CS9710—L80	100~277VAC	80W	8900	6.3	300×202×332	175W
CS9710—L100		100W	11600			250W
CS9710—L120		120W	13400			250~400W
CS9710—L150		150W	16100			400W
CS9710—L200		200W	22700			>400W

*Other beam angle available: 40°, 60°, 80°, 100°, 60°×80°, 90°×110°. CCT: 3000K, 4000K, 5000K



EXCS01



ATEX Cert No.: EPT16 ATEX 2484 X
IECEx Cert No.: IECEx EUT 17 0012X

- Low installation height equipment area like petrochemical plants, chemical plants, pharmaceutical factory, polishing plant, etc.
- EX Mark: Ⓜ I 2G Ex db IIC T6 Gb Ⓜ I 2D Ex tb IIC T80°C Db
- Cable Entry: M20×1.5, M25×1.5, NPT3/4", NPT1/2", G3/4"

Type	Rated voltage (V)	Wattage (W)	Emergency duration (min)	Output voltage (V)	Net weight (kg)	Application	Size (mm)
EXCS01	100~240VAC	30W	60min	220VDC	2.9	class I, zone1, &zone2, zone21, &zone22	238×222×106
		20W	90min				
		10W	180min				



EXCS9101A EXCS9101B



- Equipment area, stacking and stockyard, like petrochemical plants, chemical plants, pharmaceutical plants, etc.
- EX Mark: Ex d IIB T6 Gb Ex tD A21 IP66 T80°C
- Cable Entry: G3/4"

Type	Rated voltage (V)	Wattage (W)	Emergency wattage (W)	Emergency light output (lm)	Emergency duration (min)	Net weight (kg)	Size (mm)	Replaces MH
EXCS9101A—L25—15	100~240VAC	25W	15W	1800	120min	9	370×326×88	70W/35W
EXCS9101A—L40—15		40W	15W	1800				100W/35W
EXCS9101A—L60—15		60W	15W	1800				150W/35W
EXCS9101A—L25—25	100~240VAC	25W	25W	3000	70min	9	370×326×88	70W/50W
EXCS9101A—L40—25		40W	25W	3000				100W/50W
EXCS9101A—L60—25		60W	25W	3000				150W/50W
EXCS9101B—L15	100~240VAC	/	15W	1800	120min	9	370×326×88	/35W
EXCS9101B—L25		/	25W	3000				70min



CS1/ CS1 Plus

Rated capacity	3.6V; 2.5Ah (M1)/ 5Ah(M1 Plus)	
Light output/ Runtime (Flashlight)	M1	200 lm; 10hrs(High)/20hrs(Low)
	M1 Plus	200 lm; 15hrs(High)/30hrs(Low)
Light output/ Runtime (Floodlight)	M1	260 lm; 6~80hrs
	M1 Plus	460 lm; 12~160hrs

Application: It is ideal to be used in all kinds of outdoor sports lighting (such as trekking, camping, expedition, group activities, etc.).



CS3320

Light source	35W HID	
Input voltage range	DC(9~28V)	
Light output	CS3320A	3,200 lm
	CS3320B	4,100 lm

Application: It is ideal to be used in the wild, road or on the sea for searching, patrol, rescue etc.



CS7600

Light source	1W LED	
Rated capacity	4.4Ah 3.7V	
Runtime	10hrs(Work light)	
	30hrs(Signal light)	
Signal light Color	Red, Green, Yellow	

Application: It is used at railway, aviation and other transportation area and some special fields, serving as signal indication, safety warning and normal illumination.



CS7710B CS7710C

Light source	3W LED	
Rated capacity	2.6Ah 3.7V	
Runtime	CS7710B	3hrs(High) / 9hrs(Low)
	CS7710C	9hrs(High) / 19hrs(Low)

Application: It is widely used in the public security department, railway, military, police, transportation, civil aviation, inspection and customs preventive officer etc.



CS4308

Light source	1W LED	
Solar maximum power	1.5W	
Rated capacity	0.8Ah 3.7V	
Lighting mode	1Hz	

Application: It is ideal to be used in high-voltage cable lines, ground dangerous places as warning signals, also used in construction, operation monitoring, emergency and other places for signal prompts and azimuth display.



CS6220

Light source	1W LED	
Rated capacity	5.2Ah 3.7V	
Runtime	8hrs(High) / 40hrs(Low)	
	55hrs(Flood)	

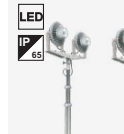
Application: This product is suitable for inspection, repairing, rescue and some other night work tasks.



CS7610

Light source	1W LED	
Rated capacity	4.4Ah 3.7V	
Runtime	10hrs / 20hrs(Low)	

Application: It is used at railway, aviation and other transportation area and some special fields, serving as normal illumination and emergency lighting.



CS3500

Specification	Unit	CS3500D	
Rated voltage	VAC	220	220
Power of lamp head	W	2×150	2×240
Light output	lm	2×17300	2×26700
Continuous working time	h	13	
Minimum lifting height	mm	1,750	
Maximum lifting height	mm	4,500	
Generator	Rated power	W 2,000	
	Rated volume	L 15	
Beam angle	60°×80°/25°		

Application: It is applicable to large and high brightness lighting in the operation sites of large scale construction, rescue and maintenance, accident handling, disaster relieve, etc.



CS3500F

Specification	Unit	CS3500F	
Rated voltage	VAC	220	220
Power of lamp head	W	4×60	4×100
Light output	lm	4×6500	4×9000
Continuous working time	h	13	
Minimum lifting height	mm	1,750	
Maximum lifting height	mm	4,500	
Generator	Rated power	W 2,000	
	Rated volume	L 15	
Beam angle	60°×80°		

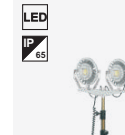
Application: It is applicable to large and high brightness lighting in the operation sites of large scale construction, rescue and maintenance, accident handling, disaster relieve, etc.



CS3500E

Specification	Unit	CS3500E	
Rated voltage	VAC	220	220
Power of lamp head	W	4×150	4×240
Light output	lm	4×17300	4×26700
Continuous working time	h	13	
Minimum lifting height	mm	1,750	
Maximum lifting height	mm	4,500	
Generator	Rated power	W 2,000	
	Rated volume	L 15	
Beam angle	60°×80°		

Application: It is applicable to large and high brightness lighting in the operation sites of large scale construction, rescue and maintenance, accident handling, disaster relieve, etc.



CS3520C

Specification	Unit	CS3520C	
Rated voltage	VAC	220	220
Power of lamp head	W	2×60	2×100
Light output	lm	2×6500	4×9000
Continuous working time	h	>6	
Minimum lifting height	mm	1,450	
Maximum lifting height	mm	2,800	
Generator	Rated power	W 900	
	Rated volume	L 3.8	
Beam angle	18°/60°×80°		

Application: This product is suitable for use as large area illumination solution at the working sites of constructions, maintenance, repair, accident spot, and disaster relief etc.



Material	Brass/ Stainless Steel	
Gland type	Unarmored/ Cable	
Cable type	Unarmored	
Ex Mark	Exd IIC Gb/Exe II Gb	

Application: Zone 1, Zone 2 IIA-IIC Explosive gas atmosphere, Zone 21, Zone 22 flammable dust atmosphere, it is widely used in petroleum, chemical, food, pharmaceutical, military industries, and other electrical cable fixing and sealing.



Material	Brass/ Stainless Steel	
Gland type	Unarmored/ Cable	
Cable type	Unarmored	
Ex Mark	Exd IIC Gb/Exe II Gb	

Application: Zone 1, Zone 2 IIA-IIC Explosive gas atmosphere, it is widely used in petroleum, chemical, food, pharmaceutical, military industries, and other electrical cable fixing and sealing.

