No. Siri : EE0221005/25/08/02

Ruj. Kami : (27)dlm.PKR(L)6/2/27 Jld.2

CAWANGAN KEJURUTERAAN ELEKTRIK
JABATAN KERJA RAYA MALAYSIA

SIJIL EMAL

Sijil Pendaftaran Bahan/Barangan Elektrik (**E**lectrical **M**aterial **A**pproved **L**ist) ini dikeluarkan kepada **pengilang**~~/pembekal~~ :

Syarikat : **PCO LITE ELECTRICAL SDN. BHD.**
Alamat : LOT NO. 157880 (PT1283) OFF JALAN DEGONG, 31900 KAMPAR, PERAK

Bahan : **INDOOR LUMINAIRES (LED) - LED DOWNLIGHT**

Pendaftaran ini adalah seperti butiran di bawah dan tertakluk kepada Spesifikasi JKR dan **syarat-syarat di muka surat 2.** Sijil ini hendaklah dibaca bersama **Lampiran** (2 muka surat).

Pengilang	: PCO LITE ELECTRICAL SDN. BHD.	
Negara Pengilang	: MALAYSIA	
Jenama	: PCO	
Model	: ADRINO LED 801/20/865 DAN SEPERTI LAMPIRAN A (12 BIL)	
Kadaran	: 240 V, 50 Hz	
No. Perakuan ST/No. Sijil/ Laporan Ujian Jenis	: PERAKUAN ST	: SJT161306103412025
	PENSIJILAN SIRIM	: PP005403
	LAPORAN UJIAN	: LCSB02055051S001 DAN SEPERTI LAMPIRAN
Tarikh Tamat	: 15.06.2027	
Rujukan Standard	: IEC 60598-2-2:2023, IEC 62722-2-1:2014 DAN SEPERTI LAMPIRAN	
Catatan	: i) LED PACKAGE	: SAMSUNG ELECTRONICS (SPMWH1228 SERIES)
	ii) LED DRIVER	: INVENTRONIC ATAU LIFUD TECHNOLOGY (MODEL SEPERTI LAMPIRAN A)
	iii) RATED CCT	: 4000 K & 6500 K

DATO' Ir. ISMAIL BIN HASHIM
Pengarah Kanan
Cawangan Kejuruteraan Elektrik
b.p Ketua Pengarah Kerja Raya
JKR Malaysia

Tarikh dikeluarkan/~~dipertaharui~~: 19 Ogos 2025

Cawangan Kejuruteraan Elektrik Ibu Pejabat JKR Malaysia, Aras 11, Menara Kerja Raya (Blok G), Jalan Sultan Salahuddin, 50480 Kuala Lumpur.
Tel : 03-2618 9958 Faks : 03-2618 9844 Laman Web : http://www.jkr.gov.my Email: adminEMAL@jkr.gov.my

Ruj. Kami: (27)dlm.PKR(L)6/2/27 Jld.2
Tarikh: 19 Ogos 2025

LAMPIRAN

Perihal Barangan	:	*INDOOR LUMINAIRES (LED) - LED DOWNLIGHT*
Nama Syarikat	:	*PCO LITE ELECTRICAL SDN. BHD.*
Alamat Syarikat	:	*LOT NO. 157880 (PT1283) OFF JALAN DEGONG, 31900 KAMPAR, PERAK*
No. Tel	:	*05 - 466 5313*
No. Fax	:	*05 - 465 1310*
Email	:	*enquiry@pcolite.com*
Nama Pengilang	:	*PCO LITE ELECTRICAL SDN. BHD.*
Negara Pengilang	:	*MALAYSIA*
Jenama	:	*PCO*
No. Perakuan ST/	:	*PERAKUAN ST : SJT161306103412025*
No. Sijil /	:	*PENSIJILAN SIRIM : PP005403*
Laporan Ujian	:	*LAPORAN UJIAN : LCSB02055051S001, LCSB05204154S, LCSB05204153S,*
Jenis		*SHENZHEN SOUTHERN LCS LCSB05204152S, LCSB05204151S,LCSB02055058S, LCSB02055056S, LCSB02055054S, LCSB02055057S, LCSB02055055S, LCSB02055053S, LCSB02055064S, LCSB02055062S, LCSB02055060S, LCSB02055063S, LCSB02055061S, LCSB02055059S, LCSB02055052E;*
		LAPORAN UJIAN BACL : RSZ170122503-10;
		LAPORAN UJIAN NVLAP : CLD-AP144 REV 6
		LAPORAN UJIAN TUV SUD: 211-901554-000, 211-14240847-000, 211-14230598-000;
Tarikh Tamat	:	*15.06.2027*
Rujukan Standard	:	*IEC 60598-2-2:2023, IEC 60598-1:2020, IEC TR 62778, IEC 62722-2-1:2014, IEC 62722-1:2014, IES LM-79-19, IESNA LM-80-2015, CISPR 15:2018, IEC 61547:2020, IEC 61000-3-2:2018+A1:2020, IEC 61000-3-3:2017+A2:2021, IEC 61347-2-13:2014 A1:2016, IEC 61347-1:2015 A1:2017*
Catatan	:	*i) LED PACKAGE : SAMSUNG ELECTRONICS (SPMWH1228 SERIES)*
		ii) LED DRIVER : INVENTRONIC ATAU LIFUD TECHNOLOGY (MODEL RUJUK DESCRIPTION)
		iii) RATED CCT : 4000 K & 6500 K
Muka surat	:	*1 daripada 2*

UNIT PENSIJILAN, BAHAN & ELEKTRIK JKR

DESCRIPTION

NO.	MODEL	RATED WATTAGE (W)	RATED CCT	TOTAL LUMINOUS FLUX @ CCT	EFFICACY (lm/W)	LED DRIVER		WEIGHT & DIA.	CEILING OPENING CUT (mm)
						INVENTRONIC	LIFUD TECH.		
1	ADRINO LED 801/20/865	20	6500 K	2,015.90 lm @ 6597 K	106.17	ELEMENT 20/220-240/500	LF-GIF020YS0 550H(S)	0.63 kg & 220 mm	200
2	ADRINO LED 801/15/865	15		1,502.64 lm @ 6417 K	109.41	ELEMENT 15/220-240/350	-	0.63 kg & 220 mm	
3	ADRINO LED 801/10/865	10		1,061.85 lm @ 6540 K	109.97	ELEMENT 10/220-240/250	LF-GIF013YS	0.63 kg & 220 mm	
4	ADRINO LED 801/20/840	20	4000 K	2,065.80 lm @ 4092 K	108.47	ELEMENT 20/220-240/500	LF-GIF020YS0 550H(S)	0.63 kg & 220 mm	
5	ADRINO LED 801/15/840	15		1,534.55 lm @ 4089 K	111.31	ELEMENT 15/220-240/350	-	0.63 kg & 220 mm	
6	ADRINO LED 801/10/840	10		1,096.15 lm @ 4073 K	113.08	ELEMENT 10/220-240/250	LF-GIF013YS	0.63 kg & 220 mm	

Ruj. Kami: (27)dlm.PKR(L)6/2/27 Jld.2
Tarikh: 19 Ogos 2025

LAMPIRAN

Perihal Barangan	:	*INDOOR LUMINAIRES (LED) - LED DOWNLIGHT*
Nama Syarikat	:	*PCO LITE ELECTRICAL SDN. BHD.*
Alamat Syarikat	:	*LOT NO. 157880 (PT1283) OFF JALAN DEGONG, 31900 KAMPAR, PERAK*
No. Tel	:	*05 - 466 5313*
No. Fax	:	*05 - 465 1310*
Email	:	*enquiry@pcolite.com*
Nama Pengilang	:	*PCO LITE ELECTRICAL SDN. BHD.*
Negara Pengilang	:	*MALAYSIA*
Jenama	:	*PCO*
No. Perakuan ST/	:	*PERAKUAN ST : SJT161306103412025*
No. Sijil /	:	*PENSIJILAN SIRIM : PP005403*
Laporan Ujian	:	*LAPORAN UJIAN : LCSB02055051S001, LCSB05204154S, LCSB05204153S,*
Jenis		*SHENZHEN SOUTHERN LCSB05204152S, LCSB05204151S,LCSB02055058S,*
		LCS LCSB02055056S, LCSB02055054S, LCSB02055057S,
		LCSB02055055S, LCSB02055053S, LCSB02055064S,
		LCSB02055062S, LCSB02055060S, LCSB02055063S,
		LCSB02055061S, LCSB02055059S, LCSB02055052E;
		LAPORAN UJIAN BACL : RSZ170122503-10;
		LAPORAN UJIAN NVLAP : CLD-AP144 REV 6
		LAPORAN UJIAN TUV SUD: 211-901554-000, 211-14240847-000, 211-14230598-000;
Tarikh Tamat	:	*15.06.2027*
Rujukan Standard	:	*IEC 60598-2-2:2023, IEC 60598-1:2020, IEC TR 62778, IEC 62722-2-1:2014, IEC 62722-1:2014, IES LM-79-19, IESNA LM-80-2015, CISPR 15:2018, IEC 61547:2020, IEC 61000-3-2:2018+A1:2020, IEC 61000-3-3:2017+A2:2021, IEC 61347-2-13:2014 A1:2016, IEC 61347-1:2015 A1:2017*
Catatan	:	*i) LED PACKAGE : SAMSUNG ELECTRONICS (SPMWH1228 SERIES)*
		ii) LED DRIVER : INVENTRONIC ATAU LIFUD TECHNOLOGY (MODEL RUJUK DESCRIPTION)
		iii) RATED CCT : 4000 K & 6500 K
Muka surat	:	*2 daripada 2*

PENGESAHAN PENSIJILAN BAHAN & STANDARD UNIT JKR ELEKTRIK

DESCRIPTION

NO.	*MODEL*	*RATED WATTAGE (W)*	*RATED CCT*	*TOTAL LUMINOUS FLUX @ CCT*	*EFFICACY (lm/W)*	*LED DRIVER*		*WEIGHT & DIA.*	*CEILING *OPENING CUT (mm)*
						INVENTRONIC	*LIFUD TECH.*		
7	*ADRINO LED 601/20/865*	*20*	*6500 K*	*1,763.45 lm @ 6442 K*	*92.05*	*ELEMENT 20/220-240/500*	*LF-GIF020YS0 550H(S)*	*0.50 kg & 170 mm*	*150*
8	*ADRINO LED 601/15/865*	*15*		*1,305.52 lm @ 6297 K*	*94.59*	*ELEMENT 15/220-240/350*	-	*0.50 kg & 170 mm*	
9	*ADRINO LED 601/10/865*	*10*		*955.57 lm @ 6371 K*	*98.50*	*ELEMENT 10/220-240/250*	*LF-GIF013YS*	*0.50 kg & 170 mm*	
10	*ADRINO LED 601/20/840*	*20*	*4000 K*	*1,623.61 lm @ 3893 K*	*85.30*	*ELEMENT 20/220-240/500*	*LF-GIF020YS0 550H(S)*	*0.50 kg & 170 mm*	
11	*ADRINO LED 601/15/840*	*15*		*1,229.24 lm @ 3901 K*	*89.57*	*ELEMENT 15/220-240/350*	-	*0.50 kg & 170 mm*	
12	*ADRINO LED 601/10/840*	*10*		*887.29 lm @ 3890 K*	*91.81*	*ELEMENT 10/220-240/250*	*LF-GIF013YS*	*0.50 kg & 170 mm*	