No. Siri : EE0221007/24/10/05

Ruj. Kami : (16)dlm.PKR(L)6/2/27 Jilid 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 (PT 1283), OFF JALAN DEGONG, 31900 KAMPAR, PERAK DARUL RIDZUAN
Bahan : **INDOOR LUMINAIRES (LED) - T8 LED LUMINAIRES**

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	: PCO 2F / T8 LED DAN SEPERTI LAMPIRAN A (12 BILANGAN)	
Kadaran	: 240 V, 50 Hz	
No. Perakuan ST/No. Sijil/	: PERAKUAN ST	: SJT161308115242022 & SEPERTI LAMPIRAN
Laporan Ujian Jenis	PENSIJILAN SIRIM	: PP005402 & SEPERTI LAMPIRAN
	LAPORAN UJIAN	: 2019EB0114 & SEPERTI LAMPIRAN
Tarikh Tamat	: 15.10.2026	
Rujukan Standard	: MS IEC 60598-2-1:1997, MS IEC 60598-1:2012 & SEPERTI LAMPIRAN	
Catatan	: i) LED CHIP	: PHILIPS - APT ELECTRONICS (2835) OR PCO - MLS CO. LTD (E2835 US28)
	ii) LED TUBE	: PHILIPS OR PCO (MODEL SEPERTI LAMPIRAN)
	iii) LAMP HOLDER	: PCO OR JUTA MOTOR (MODEL SEPERTI LAMPIRAN)
	iv) RATED CCT	: 4000 K & 6500 K

Ir. NOOR ASHIKIN BINTI MD TAMIMI
Pengarah Perkhidmatan Pakar
Cawangan Kejuruteraan Elektrik
b.p Ketua Pengarah Kerja Raya
JKR Malaysia

Tarikh ~~dikeluarkan~~/diperbaharui: 11 Oktober 2024

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

LAMPIRAN

Perihal Barangan	: *INDOOR LUMINAIRES (LED) - T8 LED LUMINAIRES*
Nama Syarikat	: *PCO LITE ELECTRICAL SDN. BHD.*
Alamat Syarikat	: *LOT NO. 157880 (PT 1283), OFF JALAN DEGONG, 31900 KAMPAR, PERAK DARUL RIDZUAN*
No. Telefon	: *05 - 466 5313*
No. Faksimile	: *05 - 465 1310*
E-mel	: *enquiry@pcolite.com*
Nama Pengilang	: *PCO LITE ELECTRICAL SDN. BHD.*
Negara Pengilang	: *MALAYSIA*
Jenama	: *PCO*
No. Perakuan ST/ No. Sijil/ Laporan Ujian	: *PERAKUAN ST:* : *LUMINAIRES- SJT161307118192024, LED TUBE: SJT161103038762024 & SJT161108140872024;* *PENSIJILAN SIRIM:* : *LUMINAIRES-PP005402, LED TUBE: PC004004 & PC013536;* *LAPORAN UJIAN SIRIM* : *2022EB0267, 2022EB0421, 2022EB0436, 2022EB0433-S1;* *LAPORAN UJIAN DEKRA* : *6102851.50, 6102852.50P & 6102853.50;* *LAPORAN UJIAN QAV:* : *QAV-0821-0116-1, QAV-0821-0115;* *LAPORAN UJIAN BACL:* : *RSZ170120501-10-12000-M1;* *LAPORAN UJIAN MTSC:* : *T2407-406(a)-1, T2407-406(b)-1, T2407-406©-1, T2407-406(d)-1, T2407-406(e)-1 & T2407-406(f)-1;* *LAPORAN UJIAN ZHONGSHAN BONTEK* : *HB-149E-0035/24, HB-079E-0009/24, HB-150E-0038/24, HB-150E-0039/24, HB-150E-0036/24 & HB-150E-0037/24;* *LAPORAN UJIAN BAY AREA LTI: HZ18070057a/R3*
Tarikh Tamat	: *15.10.2026*
Rujukan Standard	: *MS IEC 60598-2-1:1997, MS IEC 60598-1:2012, IEC 62776:2014, MS 2598:2014, IEC TR 62778:2014, IES LM 79-08, IES LM-80-2015, EN IEC 55015:2019+A11:2020, EN 61547:2009, EN IEC 61000-3-2:2019,EN 61000-3-3:2013+A1:2019*
Catatan	: *i) LED CHIP:* *PHILIPS - APT ELECTRONICS (2835) OR PCO - MLS CO. LTD (E2835 US28)* *ii) T8 LED TUBE:* *PHILIPS OR PCO (MODEL RUJUK DESCRIPTION)* *iii) LAMP HOLDER:* *PCO OR JUTA MOTOR (MODEL RUJUK DESCRIPTION)* *iv) RATED CCT:* *4000 K & 6500 K*
Muka surat	: *1 daripada 2*

PENSIJILAN BAHAN & STANDARD JKR ELEKTRIK

DESCRIPTION

NO.	*MODEL*	*TYPE OF LUMINAIRES*	*RATED WATTAGE (W)*	*T8 LED TUBE*	*RATED CCT*	*LAMP HOLDER*	*TOTAL LUMINOUS FLUX @ CCT*	*EFFICACY (lm/W)*	*WEIGHT (g)*	*SIZE (mm)*
1	*PCO 2F / T8 LED*	*SURFACE MOUNTED BARE CHANNEL*	*8*	*PHILIPS 9290030699 MASLEDtube VLE 600mm HO 8W 840 T8 8W 4000K*	*4000 K*	*PCO (PL 22B) ATAU JUTA MOTOR (J010)*	*1,063.3 lm @ 4035K*	*128.6*	*495*	*600*
2	*PCO 4F / T8 LED*	*SURFACE MOUNTED BARE CHANNEL*	*14*	*PHILIPS 9290030702 MASLEDtube VLE 1200mm HO 14W 840 T8 14W 4000K*	*4000 K*		*1,969.8 lm @ 4117K*	*140.6*	*835*	*1200*
3	*PCO 24F / T8 LED*	*SURFACE MOUNTED BARE CHANNEL*	*2 X 14*		*4000 K*	*PCO (PL 23C) ATAU JUTA MOTOR (J410)*	*3,875.5 lm @ 4114K*	*139.9*	*860*	

Ruj. Kami: (16)dlm.PKR(L)6/2/27 Jilid 2
Tarikh: 11 Oktober 2024

LAMPIRAN

Perihal Barangan	: *INDOOR LUMINAIRES (LED) - T8 LED LUMINAIRES*
Nama Syarikat	: *PCO LITE ELECTRICAL SDN. BHD.*
Alamat Syarikat	: *LOT NO. 157880 (PT 1283), OFF JALAN DEGONG, 31900 KAMPAR, PERAK DARUL RIDZUAN*
No. Telefon	: *05 - 466 5313*
No. Faksimile	: *05 - 465 1310*
E-mel	: *enquiry@pcolite.com*
Nama Pengilang	: *PCO LITE ELECTRICAL SDN. BHD.*
Negara Pengilang	: *MALAYSIA*
Jenama	: *PCO*
No. Perakuan ST/ No. Sijil/ Laporan Ujian	: *PERAKUAN ST* : *LUMINAIRES- SJT161307118192024, LED TUBE: SJT161103038762024 & SJT161108140872024;* *PENSIJILAN SIRIM* : *LUMINAIRES-PP005402, LED TUBE: PC004004 & PC013536;* *LAPORAN UJIAN SIRIM* : *2022EB0267, 2022EB0421, 2022EB0436, 2022EB0433-S1;* *LAPORAN UJIAN DEKRA* : *6102851.50, 6102852.50P & 6102853.50;* *LAPORAN UJIAN QAV* : *QAV-0821-0116-1, QAV-0821-0115;* *LAPORAN UJIAN BACL* : *RSZ170120501-10-12000-M1;* *LAPORAN UJIAN MTSC* : *T2407-406(a)-1, T2407-406(b)-1, T2407-406©-1, T2407-406(d)-1, T2407-406(e)-1 & T2407-406(f)-1;* *LAPORAN UJIAN ZHONGSHAN BONTEK* : *HB-149E-0035/24, HB-079E-0009/24, HB-150E-0038/24, HB-150E-0039/24, HB-150E-0036/24 & HB-150E-0037/24;* *LAPORAN UJIAN BAY AREA LTI: HZ18070057a/R3*
Tarikh Tamat	: *15.10.2026*
Rujukan Standard	: *MS IEC 60598-2-1:1997, MS IEC 60598-1:2012, IEC 62776:2014, MS 2598:2014, IEC TR 62778:2014, IES LM 79-08, IES LM-80-2015, EN IEC 55015:2019+A11:2020, EN 61547:2009, EN IEC 61000-3-2:2019,EN 61000-3-3:2013+A1:2019*
Catatan	: *i) LED CHIP: PHILIPS - APT ELECTRONICS (2835) OR PCO - MLS CO. LTD (E2835 US28)* *ii) T8 LED TUBE: PHILIPS OR PCO (MODEL RUJUK DESCRIPTION)* *iii) LAMP HOLDER: PCO OR JUTA MOTOR (MODEL RUJUK DESCRIPTION)* *iv) RATED CCT: 4000 K & 6500 K*
Muka surat	: *2 daripada 2*

PENSIJILAN BAHAN & STANDARD JKR ELEKTRIK

DESCRIPTION

NO.	*MODEL*	*TYPE OF LUMINAIRES*	*RATED WATTAGE (W)*	*T8 LED TUBE PCO*	*RATED CCT*	*LAMP HOLDER*	*TOTAL LUMINOUS FLUX @ CCT*	*EFFICACY (lm/W)*	*WEIGHT (g)*	*SIZE (mm)*
4	*PCO 2F / T8 LED*	*SURFACE MOUNTED BARE CHANNEL*	*9*	*ELV-2F/9/840*	*4000 K*	*PCO (PL 22B) ATAU JUTA MOTOR (J010)*	*1,011.1 lm @ 4005 K*	*110.84*	*495*	*600*
5			*9*	*ELV-2F/9/865*	*6500 K*		*980.35 lm @ 6726 K*	*108.86*		
6	*PCO 4F / T8 LED*	*SURFACE MOUNTED BARE CHANNEL*	*18*	*ELV-4F/18/840*	*4000 K*	*PCO (PL 22B) ATAU JUTA MOTOR (J010)*	*2,142.7 lm @ 4048 K*	*114.98*	*835*	*1200*
7			*18*	*ELV-4F/18/865*	*6500 K*		*2,122.1 lm @ 6520 K*	*114.49*		
8	*PCO 24F / T8 LED*	*SURFACE MOUNTED BARE CHANNEL*	*2 X 18*	*ELV-4F/18/840*	*4000 K*	*PCO (PL 23C) ATAU JUTA MOTOR (J410)*	*4,215.2 lm @ 4053 K*	*113.86*	*860*	
9			*2 X 18*	*ELV-4F/18/865*	*6500 K*		*4,112 lm @ 6547 K*	*111.85*		